

IMSC 2014

20th International Mass Spectrometry Conference

August 24-29, 2014
Geneva, Switzerland

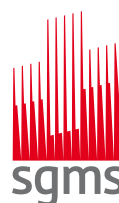
PROGRAM

v. 17.09.2014



20th IMSC

International Mass Spectrometry Conference
Geneva, Switzerland
August 24–29, 2014



More targets. More accurately. Faster than ever.

Analytical challenges grow in quantity and complexity. Quantify a larger number of compounds and more complex analytes faster and more accurately with our new portfolio of LC-MS instruments, sample prep solutions and software. High-resolution, accurate mass solutions using Thermo Scientific™ Orbitrap™ MS quantifies all detectable compounds with high specificity, and triple quadrupole MS delivers SRM sensitivity and speed to detect targeted compounds more quickly. Join us in meeting today's challenges. Together we'll transform quantitative science.

Quantitation transformed.

- Discover more at thermoscientific.com/quan-transformed
- Visit thermoscientific.com/imsc or booth 23 for more information

© 2014 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries.



Thermo Scientific™ Q Exactive™ HF MS
Screen and quantify known and unknown targets
with HRAM Orbitrap technology



Thermo Scientific™ TSQ Quantiva™ MS
Leading SRM sensitivity and speed
in a triple quadrupole MS/MS



Thermo Scientific™ TSQ Endura™ MS
Ultimate SRM quantitative value and
unprecedented usability

TABLE OF CONTENTS

1.	Welcome from the Chairs of the 20th IMSC	5
2.	Welcome from the President of the IMSF	6
3.	International Mass Spectrometry Conferences	8
4.	IMSF Executive Committee, IMSF National Affiliates, and Scientific Committee	8
5.	Thomson Medal Awards	11
6.	Curt Brunnée Award	11
7.	SGMS Award	12
8.	6th Journal of Mass Spectrometry Award Symposium	12
9.	Local Support Societies and Organization	14
10.	Sponsors of the 20th IMSC	15
11.	Exhibitors of the 20th IMSC	16
12.	Exhibitors Information	19
13.	Conference Venue and Floor Plans	29
14.	General Information	31
15.	Short Courses & Workshops	36
16.	User's Day	40
17.	Lunch Symposia	41
18.	Scientific Program	46
	a. Saturday, August 23 / Sunday, August 24	46
	b. Monday, August 25	47
	c. Tuesday, August 26	51
	d. Wednesday, August 27	55
	e. Thursday, August 28	60
	f. Friday, August 29	64
19.	Posters	66
	a. Monday, August 25	66
	b. Tuesday, August 26	80
	c. Wednesday, August 27	94
	d. Thursday, August 28	108
20.	Authors' Index	121
	Notes	143
	Program at a glance	148



Achieve the Highest Productivity with Robotic Tool Change

Always the right tool: The PAL RTC changes syringes or injection tools automatically. This enables true 24/7 operation, complex sample preparation and automated method development.

The PAL RTC with Robotic Tool Change takes productivity to a new level.



Visit us at IMSC,
August 24 – 29, 2014
CICG Congress Center,
Geneva Switzerland,
booth #4

PALSYSTEM
Ingenious sample handling

www.palsystem.com

1. WELCOME FROM THE CHAIRS OF THE 20th IMSC

On behalf of the Swiss, the French and the Italian mass spectrometry societies, we would like to welcome you to Geneva and the 20th anniversary of the International Mass Spectrometry Conference.

Geneva lies in the French-speaking part of Switzerland, in the heart of Europe, in a beautiful setting between the Alps and the hills of the Jura at the outflow of Lake Geneva. It is at the border between France and Switzerland and is only 70 km away from Italy. Geneva is over 3,000 years old. Its university, founded by the reformer Jean Calvin as a seminary in 1559, is one of the oldest in Europe. Today, Geneva is the second largest city in Switzerland and the most international on the entire continent - more than half of the inhabitants are not natives: the headquarter of many international organizations such as the United Nations, the World Health Organization, the International Labor Office, the International Committee of the Red Cross and many more are located in Geneva. Geneva is a multicultural metropolis. Specialties from all over the globe are served in the 1,200 restaurants and bistros in the city. And the snow-capped mountains are just a hop and a skip away. Famous ski resorts such as Megève and Chamonix near Mont Blanc can be reached in less than an hour, the first class health resort Verbier in approximately 90 minutes. Geneva's greatest attraction for the Conference, however, is the CERN, with the largest particle accelerator in the world. Two outings to the CERN have been organized, and, not surprisingly, were sold out quickly.

Even though Switzerland is a small country, many ground-breaking discoveries in mass spectrometry and its various applications have been made here. This is partly due to the high density of chemical and life science companies, but also to top-rated universities and research institutes located all over Switzerland. This is also the reason why in 2006 Switzerland, together with our French and Italian colleagues, proposed to host the IMSC for the first time in Geneva. We were not successful in 2006, but we did win with our bid in 2009. Five years later we are finally able to meet all the participants and to enjoy a very interesting program that the scientific committee has been able to put together, covering a wide variety of mass spectrometric fields. 45 sessions will be supplemented by 7 plenary lectures, some from outside the field of mass spectrometry, short courses and workshops. There will be social mixers, allowing to network and meet new people from different scientific fields.

We would like to thank all the people who made this possible, especially the IMSC scientific committee, the chairs, workshop organizers and short course faculty, the volunteers, all our sponsors, the IMSF board, Genève Tourism, and last but not least the professional conference organizer Symporg from Geneva, who did an excellent job.

Let's all enjoy the science, fun, discussions, good food and drink, the beautiful location, talks and posters, and contribute to make IMSC2014 a successful and unforgettable conference.



Renato Zenobi



Marc Suter

IMSC2014 co-chairs:

2. WELCOME FROM THE PRESIDENT OF THE IMSF

After a very successfully conference in Kyoto 2012, in its very first time outside Europe, IMSC is back in Europe. On behalf of the IMSF board and all of our ca. 40 affiliate MS societies, I very enthusiastically welcome all of you to the city of Geneva. The 20th IMSC is a seminal conference in which IMSF celebrates a great achievement, that is, the organization of its 20th conference. This demonstrates that the dream of our pioneers, to bring people from all over the world together to celebrate Mass Spectrometry, has indeed become a solid reality. We are also very glad to announce that three of our societies (Italy, Spain and The Netherlands) placed bids to host IMSC 2018 and this clearly demonstrate the increasing importance of IMSC and that we have a even brighter future. Last year, IMSF jointly with the Italian MS society has also very successfully organized its very first international MS school and, if approved here in Geneva, the 2nd IMSF international school will be held in Brazil in 2015.

It is also my great pleasure to congratulate Drs. Carol V. Robinson and Renato Zenobi who have been selected by IMSF affiliate societies to receive the very prestigious Thomson medal for outstanding achievements and for distinguished services to international mass spectrometry, Dr. Yury Tsybin who will receive the SGMS award for outstanding independent research in the field of MS in Switzerland, and Dr. Dimitris Papanastasiou who will receive the Curt Brunnée award, generously sponsored by Thermo Fisher Scientific and attributed to a young mass spectrometrists for outstanding contributions to the development of MS instrumentation.

For an even brighter future of MS, it is also a privilege for me, as the IMSF president, to congratulate the five young mass spectrometrists: Kathirvel Alagesan, Denis Mikhailovich Chernyshev, Stamatios Giannoukos, Josef Lengyel and Michael Wleklinski for being selected to receive the Journal of Mass Spectrometry Award generously sponsored by Wiley. We also congratulate students from all over the world who have received IMSF travel scholarships to help them attend the Kyoto Conference.

I also want to deeply thank Prof. Renato Zenobi and Dr. Marc Suter and all his colleagues from the Swiss, the French and Italian MS Societies for their great efficiency in organizing a conference full of MS novelties and both scientific and social excitements. Congratulations also to all of you who have taken the time to come to Geneva to share with us your latest MS data and knowledge. I hope you make new international friends and find collaborators here in Geneva helping MS to grow all over the world. Enjoy the conference, I am sure you will have a most enjoyable and rewarding time in Geneva.

And by the end of the week, please start planning your attendance at the 21st IMSC to be held, also for the very first time ever in the Americas, that is, in Toronto 2016.



Marcos N Eberlin
IMSF president

Committed to Your Success



Class-leading products
for your todays analytical
challenges:

- LC-MS
- GC-MS
- MALDI-MS
- FT-MS
- ICP-MS
- LC- and GC-Systems

Contact us for more details
and a system demonstration!
www.bruker.com/ms

www.bruker.com

Applied Analytical

- Food Safety
- Environmental Testing
- Forensics
- Product Control
- Pesticide Screening
- Doping/Drugs of Abuse Screening
- Polyaromatic Hydrocarbon Analysis (PAH)
- Petroleomics
- Polymer Analysis

Life Science Research

- Proteomics
- Metabolomics
- Lipidomics
- Clinical Research

Pharmaceutical and Chemistry Applications

- BioPharma Quality Control
- Chemistry Support
- Compass OpenAccess System Support
- Drug Metabolite Identification
- Drug and Metabolite Tissue Distribution
- Product and Process Control
- Food/Environmental/Forensics



3. INTERNATIONAL MASS SPECTROMETRY CONFERENCES

1 st IMSC – London, UK	1958	8 th IMSC – Oslo, NO	1979	15 th IMSC – Barcelona, SP	2000
2 nd IMSC – Oxford, UK	1961	9 th IMSC – Vienna, AT	1982	16 th IMSC – Edinburgh, UK	2003
3 rd IMSC – Paris, FR	1964	10 th IMSC – Swansea, UK	1985	17 th IMSC – Prague, CZ	2006
4 th IMSC – Berlin, GE	1967	11 th IMSC – Bordeaux, FR	1988	18 th IMSC – Bremen, GE	2009
5 th IMSC – Brussels, BE	1970	12 th IMSC – Amsterdam, NL	1991	19 th IMSC – Kyoto, JP	2012
6 th IMSC – Edinburgh, UK	1973	13 th IMSC – Budapest, HU	1994	20 th IMSC – Geneva, CH	2014
7 th IMSC – Florence, IT	1976	14 th IMSC – Tampere, FI	1997	21 st IMSC – Toronto, CA	2016

4. IMSF EXECUTIVE COMMITTEE, IMSF NATIONAL AFFILIATES, AND SCIENTIFIC COMMITTEE

International Mass Spectrometry Foundation (IMSF)

Executive Committee

- Prof. Marcos N. Eberlin (BR) – President
- Dr. John C. Traeger (AU) – Past President
- Prof. Catherine E. Costello (US) – Vice President (Society)
- Prof. Renato Zenobi (CH) – Vice President (Conference)
- Dr. Marc J.-F. Suter (CH) – Vice President (Conference)
- Prof. Ron Heeren (NL) – Treasurer
- Dr. G. John Langley (UK) – Secretary
- Prof. Einar Uggerud (NO) – Region A Representative
- Prof. Jen-taie Shiea (TW) – Region B Representative
- Prof. Dr. Scott A. McLuckey (US) – Region C Representative

National Affiliates

- Argentina – Rosa Erra Balsells
- Australia/New Zealand – Andrew McAnoy
- Austria – Günter Allmaier
- Belgium – Jan Van Boxclaer
- Brazil – Fabio Gozzo
- Canada – Paul Mayer
- Croatia – Mario Cindric
- Czech Republic – Jan Preisler
- Denmark – Steen Pontoppidan
- Egypt – Ezzat Selim
- Finland – Tiina Kauppila
- France – Olivier Laprévote
- Germany – Michael Linscheid
- Greece – Despina Tsipi
- Hong Kong – April S.Y. Wong
- Hungary – Laszlo Lelick
- India – Suresh Aggarwal
- Ireland – Edward Malone

- Israel – Michal Sharon
- Italy – Gianluca Giorgi
- Japan – Ryuichi Arakawa
- Korea – Hyun Sik Kim
- Norway – Einar Uggerud
- Peoples Republic of China – Jin-Ying Li
- Poland – Piotr Stefanowicz
- Portugal – Maria Helena Florencio
- Romania – Zaharie Moldovan
- Russia – Albert Lebedev
- Serbia & Montenegro – Mila Lausevic
- Singapore – Manfred Raida
- Slovakia – Vladimir Patoprsty
- Slovenia – Helena Prosen
- South Africa – Egmont Rohwer
- Spain – Damià Barceló
- Sweden – Jonas Bergquist
- Switzerland – Marc Suter
- Taiwan – Yu-Ju Chen
- The Netherlands – Rob Vreeken
- Ukraine – Marina Kosevich
- United Kingdom – Tony Bristow
- United States of America – Susan T. Weintraub

IMSC 2014 Scientific Committee

- Renato Zenobi – ETH Zurich, CH, Chair
- Marc Suter – EAWAG, Dubendorf, CH, Co-Chair, President SGMS
- Ruedi Aebersold – ETH Zurich, CH
- Günter Allmaier – TU Wien, A
- Silvia Catinella – Chiesi Farmaceutici, Parma, I
- Leopoldo Ceraulo – University of Palermo, I, Vice-President DSM
- Julia Chamot-Rooke – Institut Pasteur, Paris, F, Past-President SFSM
- Laurent Fay – Nestlé Nutrition, Lausanne, CH
- Eric Forest – Institut de Biologie Structurale, Grenoble, F, Past-President SFSM
- Gianluca Giorgi – University of Siena, I, President DSM
- Detlef Günther – ETH Zurich, CH
- Gérard Hopfgartner – University of Geneva, CH
- Olivier Laprévote – CNRS, F, IMSF representative, Past-President SFSM
- Markus Stöckli – Novartis Pharma AG, Basel, CH

XEVO

THE DEFINITIVE ANSWER TO ALL YOUR QUANTITATIVE MS QUESTIONS

Do you require the robust and proven Xevo® TQD? The increased sensitivity of Xevo TQ-S micro? Or perhaps your most complex analyses demand the ultimate performance of StepWave™ powered Xevo TQ-S. To identify the perfect long-term MS/MS fit for your lab, visit waters.com/XEVO



XEVO TQ-S



**INTRODUCING
XEVO TQ-S micro**



XEVO TQD

Waters
THE SCIENCE OF WHAT'S POSSIBLE.®

PHARMACEUTICAL ▪ HEALTH SCIENCES ▪ FOOD ▪ ENVIRONMENTAL ▪ CHEMICAL MATERIALS

©2014 Waters Corporation. Waters, Xevo and The Science of What's Possible are registered trademarks of Waters Corporation. StepWave is a trademark of Waters Corporation.

5. THOMSON MEDAL AWARDS 2014

The IMSF affiliates nominated 19 candidates for the 2014 Thomson Medal Award. A first round of voting reduced this number to six which in a second voting yielded the two winners, who are (in alphabetical order):

Prof. Carol V. Robinson (nominated by the British Mass Spectrom. Soc.)

Prof. Renato Zenobi (nominated by the Czech Society for Mass Spectrom.)

The Thomson Medal Award will take place in room 1 on Thursday, 28 August at 17:15.

The Thomson Medals

The Thomson Medal is named after Sir J. J. Thomson, who was responsible for building the first mass spectrograph more than 100 years ago. He also predicted many features of modern mass spectrometry. He discovered the electron using mass spectrometry and won the Physics Nobel Prize in 1906 for his research.

The Medals are sponsored by the **International Mass Spectrometry Foundation (IMSF)**, and were first awarded in 1985. The previous winners are:

2012	R. Aebersold, A. Makarov, F. Tureček
2009	C. E. Costello, C. C. Fenselau and P. Roepstorff
2006	J. H. Bowie, M. L. Gross and M. Karas
2003	R. M. Caprioli, F. Hillenkamp and V. L. Talrose
200	J. B. Fenn, D. F. Hunt and A. G. Marshall
1997	M. T. Bowers, D. E. Games and J. F. J. Todd
1994	C. Brunnée, C. Djerassi and H. Schwarz
1991	K. Biemann, H. Matsuda and N. M. M. Nibbering
1985	J. H. Beynon, R. G. Cooks, K. R. Jennings, F. W. McLafferty and A. O. C. Nier

6. CURT BRUNÉE AWARD

The winner of the 2014 Curt Brunnée Award is **Dr. Dimitris Papanastasiou**, nominated by the Hellenic Mass Spectrometry Society for his contributions to the development of the theoretical understanding of ion behaviors and implementation of this knowledge in new devices for ion optics and ion mobility.

Sponsored by **Thermo Fisher Scientific** and to be awarded at the 20th International Mass Spectrometry Conference, Geneva, August 24-29, 2014 in room 1 at 08:00.

Thermo
SCIENTIFIC

"For outstanding contributions to the development of instrumentation for mass spectrometry by a person under the age of 45 at the time of the award".

7. SGMS AWARD

"The SGMS award is awarded to a promising scientist working in Switzerland or a promising Swiss scientist working abroad, for outstanding independent research in the field of mass spectrometry. At the time of the award nomination deadline the candidate has to be younger than 40."

After evaluation of the submissions by an international panel (G Allmaier, C Costello, G Cooks, M Suter, B Gerrits), **Prof. Yury Tsybin (EPFL)** was selected as winner, based on his outstanding performance as group leader, his independent scientific achievements, organization of high-level courses, success in obtaining research funding and recognition at the international level.

The award ceremony will take place in Room 1, on Thursday, 28 August, at 17:15 at the IMSC 2014 in Geneva.

8. 6th JOURNAL OF MASS SPECTROMETRY AWARD SYMPOSIUM

The Sixth JMS Award symposium will take place in the Room 4 on Thursday, 28 August at 9:00 (ThOS34 session).

The 2014 winners of the JMS 2014 are (alphabetical order):

- Kathirvel Alagesan
Max Planck Institute of Colloids and Interfaces - Germany
A novel, ultrasensitive approach for quantitative carbohydrate composition and linkage analysis using LC-ESI ion trap tandem mass spectrometry
- Denis Mikhailovich Chernyshev
National Research Nuclear University MEPhI, Linantek Ltd - Russia
Method of duty cycle enhancement for orthogonal accelerator TOF MS with axial symmetric mass analyser, connected with drift tube IMS
- Stamatios Giannoukos
University of Liverpool – United Kingdom
Membrane inlet mass spectrometry for in-field security applications
- Jozef Lengyel
Academy of Science of the Czech Republic - Czech Republic
Nucleation and chemical reactivity of mixed aerosol particles: new approach based on mass spectrometric detection
- Michael Weklinski
Purdue University – United States of America
Synthesis and reactions of atomically precise clusters at atmospheric pressure

AGILENT MASS SPEC AND YOU
RESULT: REMARKABLE.



CELEBRATING ACHIEVEMENT IN MASS SPECTROMETRY

The Measure of Confidence

JOIN US...

AGILENT'S LUNCH & LEARN SEMINAR SERIES

25-28 AUGUST 2014 | 12:00-13:30 | ROOM 5

REGISTER AT THE AGILENT BOOTH #12



9. LOCAL SUPPORT SOCIETIES AND ORGANIZATION

We acknowledge support - financial, deficit guarantees, and other - from the following local, regional, and federal societies and organizations:

- Geneva Tourism & Conventions Foundation
- State Secretariat for Education and Research, Federal Department of Home Affairs, Swiss Confederation
- Chancellerie d'Etat, Canton of Geneva



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

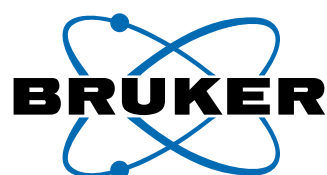


10. SPONSORS OF THE 20th IMSC

Platinum Sponsor



Gold Sponsors



Silver Sponsors



11. EXHIBITORS OF THE 20th IMSC

Company	Booth	Company lounge
AB Sciex	22	14 (level 2)
Advion	9	
Agilent	12	
Bioinformatics Solutions INC.	2	
Biotage	D	
Bruker	13	
CTC Analytics AG	4	
Denator AB	30 (level 1)	
Eurisotop	37 (level 1)	
Extrel CMS	19	
HPLC 2015	H	
IMSC 2016	E	
InnoLas Laser GmbH	A	
IonBench Analytical GmbH	32 (level 1)	
Ionicon Analytik	33 (level 1)	
JEOL	24	
KR Analytical LTD	17	
LECO	15-16	
LNI Schmidlin SA	31	
Matrix Science	29 (level 1)	
Mestrelab	B	
MSP Kofel	G	
MS Vision	5	
NIST	1	
Omics2image	C	
Peak Scientific Instruments LTD	34-35 (level 1)	
Photonis	20	
Phytronix Technology Inc.	8	
Prolab Instruments GmbH	10	
Promega AG	7	
Providion	28 (level 1)	
ReseaChem GmbH	3	
Shimadzu	21	
Sigma-Aldrich	14	
Springer Verlag GmbH	I	
Sunchrom GmbH	18	
Thermo Fisher Scientific	23	13 (level 2)
Tofwerk AG	6	
TSI GmbH	36 (level 1)	
Waters	11	
Wiley	F	

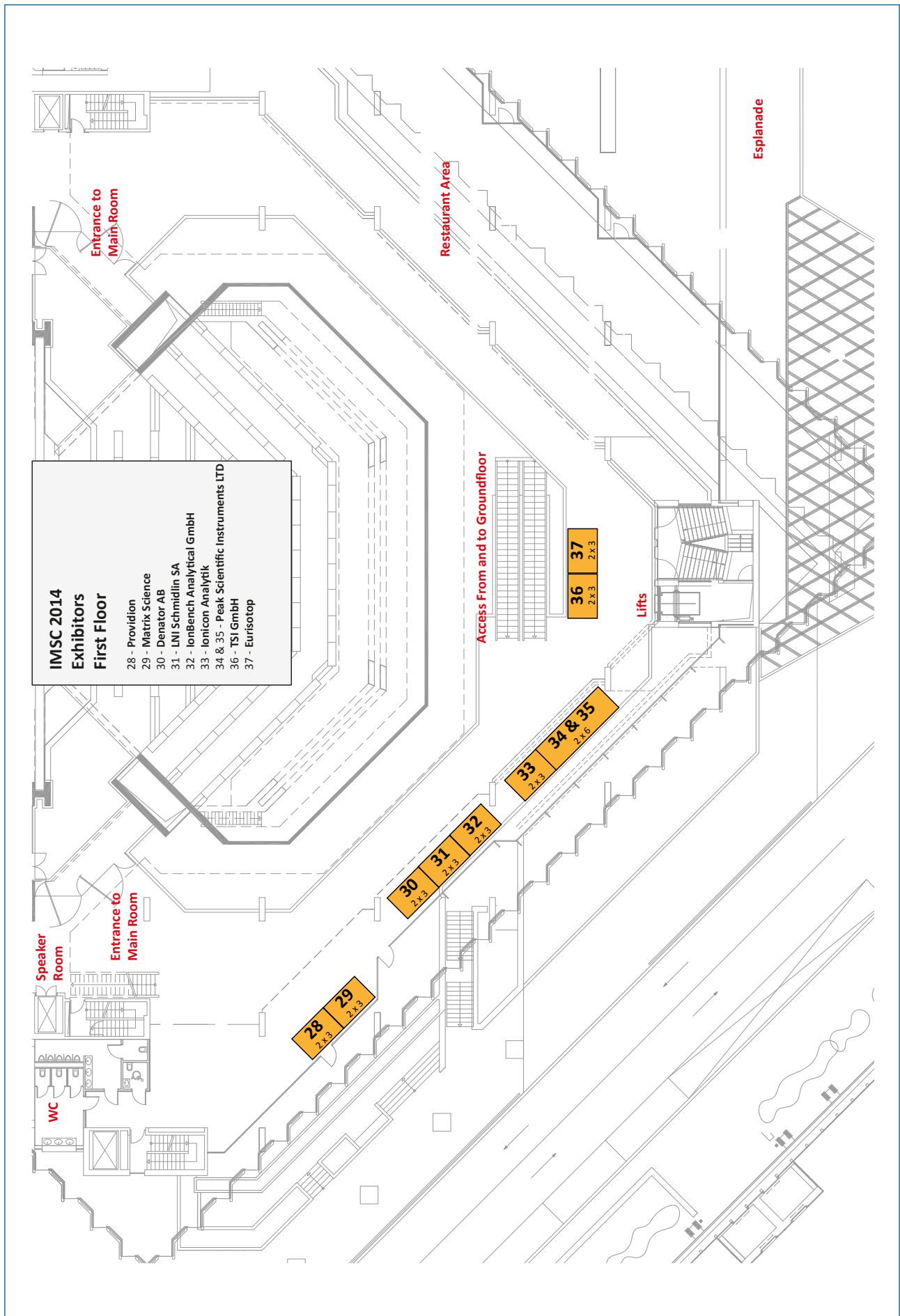
Commercial Exhibitors

Publisher Exhibitors

Associations

- 1 - NIST
- 2 - Bioinformatics Solutions Inc.
- 3 - Reseachem GmbH
- 4 - CTC Analytics AG
- 5 - MS Vision
- 6 - ToFwerk AG
- 7 - Promega AG
- 8 - Phytonix Technology Inc.
- 9 - Advion
- 10 - Prolab Instruments GmbH
- 11 - Waters (Gold Sponsor)
- 12 - Agilent (Gold Sponsor)
- 13 - Bruker (Gold Sponsor)
- 14 - Sigma-Aldrich
- 15 - LECO
- 17 - KR Analytical LTD
- 18 - Sunchrom GmbH
- 19 - Extrel CMS
- 20 - Photonis
- 21 - Shimadzu (Gold Sponsor)
- 22 - AB Sciex (Gold Sponsor)
- 23 - Thermo Fisher Scientific (Platinum Sponsor)
- 24 - JEOL (Silver Sponsor)
- A - InnoLas Laser GmbH
- B - Mestrelab
- C - Omics2image
- D - Biortage
- E - IMSC 2016 (ETP Symposium Inc.)
- F - Wiley
- G - MSP Kofel
- H - HPLC 2015
- I - Springer Verlag GmbH





The Exhibition Opening hours are:

- Sunday August 24th, 15h00 – 21h00 (tutorial lectures at 15h30, Welcome Mixer at 18h45 until 21h00)
- Monday August 25th, 08h00 – 19h00
- Tuesday August 26th, 08h00 – 19h00
- Wednesday 27th, 08h00 – 19h00
- Thursday 28th, 08h00 – 19h00
- Friday 29th, 08h00 – 13h00 (Farewell Cocktail from 13h00 to 14h00, in the Congress Venue)

12. EXHIBITORS INFORMATION

**AB Sciex**

AB SCIEX helps to improve the world we live in by enabling scientists and laboratory analysts to push the limits in their field and address the complex analytical challenges they face. The company's global leadership and world-class service and support in the mass spectrometry industry have made it a trusted partner to thousands of the scientists and lab analysts worldwide who are focused on basic research, drug discovery and development, food and environmental testing, forensics and clinical research. With more than 40 years of proven innovation, AB SCIEX excels by listening to and understanding the ever-evolving needs of its customers to develop reliable, sensitive and intuitive solutions that continue to redefine what is achievable in routine and complex analysis. For more information about the company, go to www.absciex.com. Follow AB SCIEX on Twitter @ABSCIEX, Facebook and LinkedIn.

Booth 22**Advion**

Advion, Inc. was founded in 1993 based on the novel techniques developed within the Cornell University laboratory of Dr. Jack Henion, a leading researcher in the field of Liquid Chromatography/Mass Spectrometry (LC/MS). Pioneers within the industry, Advion offers a variety of fit-for-purpose systems and consumables for life science research. With sales and support offices in North America and Europe and a large network of distributors, Advion is a global company with customers in all of the top pharmaceutical companies, government life science research agencies and universities. Advion continues to expand its diverse portfolio of innovative microfluidic and mass spec – based products for the life science industry.

Booth 9**Agilent Technologies****Agilent**

Agilent Technologies is the world-wide leader in mass spectrometry, with powerful, reliable MS systems and intuitive software suites for diverse application areas such as pharmaceutical, food safety, environmental, forensic, metabolomics, proteomic analysis and clinical research. Key products and solutions include 1200 Infinity Liquid Chromatography Series, a portfolio of Single Quadrupole, Triple Quadrupole, Q-TOF and Ion Mobility LC/MS Systems, a complete range of industry leading GC, GC/MSD, GC/QQQ and GC/Q-TOF Systems as well as the atomic spectroscopy portfolio with leading ICP-MS and ICP-QQQ technology. This analytical portfolio is complemented with advanced automated sample preparation solutions, consumables, software solutions and backed up by leading support and compliance services. Visit us at booth: #12 throughout IMSC 2014

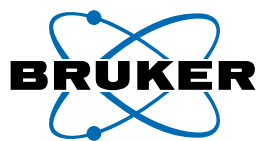
Booth 12

**Bioinformatics Solutions INC.****Booth 2**

Bioinformatics Solutions Inc. develops advanced algorithms, providing solutions to fundamental bioinformatics problems. PEAKS is a complete software package for proteomics mass spectrometry data analysis. Starting from the raw instrument data, PEAKS effectively performs peptide and protein identification, PTM and mutation characterization, quantification (label and label free) as well as result validation, visualization and reporting. CHAMPS is a professional service for obtaining primary sequences of monoclonal antibodies with modifications. Its workflow includes sample digestion with multiple enzymes, high resolution LC-MS/MS for both survey scan and product scan, then de novo sequencing data analysis. Our experts can provide solutions to either data analysis only or the complete workflow.

**Biotage****Booth D**

Biotage AB, Sweden is a global leader in life science technology. With a broad scope of tools for synthesis, work-up, purification, evaporation and analysis, the company provides solutions, knowledge and expertise in the areas of analytical chemistry, medicinal chemistry, peptide chemistry and process-development. At IMSC 2014 Biotage will be presenting their EVOLUTE® and ISOLUTE® Sample Preparation Products – Biotage manufactures a range of sample preparation tools and instruments for Bioanalytical, Clinical, Environmental, Food and Forensic applications. At Biotage the focus is on developing technology to speed experimental procedures. Automation is key to controlling the reaction parameters, improving reliability and guaranteeing reproducible results.

**Bruker****Booth 13**

Bruker Daltonics provides a broad range of high performance, easy to use Mass Spectrometry (MS) and analytical separation systems. Bruker delivers a series of innovative, fully integrated systems for use in the Pharmaceutical, Life Science, Applied Analytical, and Clinical Research areas, including: Protein Characterization and Quantification; Drug Research and Development; Environmental; Forensics and Doping Analysis; Biomarker Discovery & Tissue Imaging; Metabolomics; Chemical Analysis. Utilizing a product and technology portfolio which includes MALDI-TOF MS, ESI-TOF and qTOF MS, Ion Trap MS, FTMS, ICP-MS, and GC/MS as well as LC and GC systems, Bruker provides the best solutions for the very latest analytical questions.

**CTC Analytics AG****Booth 4****Robotic Sample Preparation**

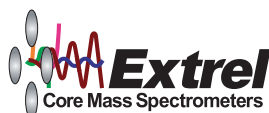
With 40.000 systems sold CTC Analytics AG is a leader in front-end automation for gas and liquid chromatography. The PAL RTC removes bottlenecks in lab workflows. In seconds the RTC changes automatically between different syringes, liquid injection, headspace, and solid phase micro extraction (SPME) without the need for manual intervention. This boosts productivity and expands the application range. The brand-new PAL RSI is the robust workhorse for the demanding routine operation. Optional for both systems are a vortex mixer, incubator, temperature controlled storage and a complete range of valves and syringes (1 µL to 10 mL). Liquid-liquid extraction, derivatisation, standard addition and manual dilution are now smooth and traceable. The user-friendly PAL Sample Control software controls the RTC and RSI. With a few clicks one can import or generate sample lists and start the data acquisition. Or one can quickly set up workflows to eliminate tedious manual operations.

**Denator AB****Booth 30 (level 1)**

Denator produces instruments and consumables, based on the company's proprietary sample preservation technology, within the life science and clinical research markets. The Stabilizor™ T1 enables scientists to ensure the quality and *in vivo* profile of biological samples, by immediate and complete inactivation of enzymatic activity otherwise causing sample change and degradation. Its additive free, and enables reliable analysis and quantification of proteins, peptides and their modifications. It can be used for all tissue types, fresh or frozen, allowing secure analysis also of stored samples. Stabilized samples have improved signal-to-noise ratio, enabling detection of low abundant molecules such as potential biomarkers.

**Eurisotop****Booth 37 (level 1)**

Eurisotop is a European leading producer Stable Isotopes for Mass Spectrometry-based fields of research including Proteomics, Metabolism, Metabolomics and Clinical diagnostics. With a permanent stock of more than 1000 products, Euriso-top can supply you with an exceptional technical service and a quick product delivery.

**Extrel CMS****Booth 19**

Fifty years ago, two professors revolutionized the landscape of mass spectrometry and gas analysis by developing innovative power supplies. Their discoveries became the foundation of Extrel—the world's leading manufacturer of state-of-the-art research and process mass spectrometers, residual gas analyzers, and quadrupole mass spectrometry components. Since 1964, Extrel's instruments have been recognized for their exceptional performance, reliability and flexibility, and are complemented by the most comprehensive application, technical and on-site support in the industry.

**InnoLas Laser GmbH****Booth A**

InnoLas Laser develops and manufactures highest quality laser sources for scientific and industrial applications. Our products are made in Germany and combine innovative laser technology and precise construction, offering you powerful, reliable and stable-value tools for your application. The monolithic design of all InnoLas laser heads ensures highest thermal and mechanical stability. The proven SpitLight series guarantees excellent product finish, reliability and best beam parameters for science, metrology and research. Performance parameters, including energy density, pulse length, pulse frequency, wavelength etc. are thus suitable for a wide range of applications. Decades of experience in cooperation with research institutions enables InnoLas to be a reliable partner for R & D projects esp. laser holography, laser spectroscopy (LIBS, LIPS), laser induced fluorescence, particle image velocimetry, LIDAR

**IonBench Analytical GmbH****Booth 32 (level 1)**

Manufacturer of mass spectrometry benches (LC/GC/MS) & Elevating LC benches. Mass Spec IonBench products integrate MS peripherals, a built-in vacuum pump noise reduction enclosure and protect turbomolecular pumps by reducing vibration by 99%. There is up to 30% savings in laboratory space allocation. Solidly built lockable casters simplify moving the system. Our integrated vacuum pump enclosure reduces noise emissions by 80% down in perception. LC Elevating IonBench, on caster wheels, can be easily lifted up or down by commuting a switch, for a convenient & safe access to the top of your LC.



Ionicon Analytik

Booth 33 (level 1)

IONICON provides ultra-sensitive real-time trace gas analyzers based on Proton Transfer Reaction – Mass Spectrometry (PTR-MS) and proprietary SRI-MS technology. Our products feature a market-leading online detection limit < 1 pptv and mass resolution up to 8000 $m/\Delta m$. Widely used for VOC monitoring in environmental research, atmospheric chemistry, for vehicle emissions testing, food, flavors & fragrances, illicit substances detection, but also medical breath gas analysis and process control at e.g. biotechnology and the petrochemical industry. We also manufacture trace calibration devices for analytical instruments and industrial process monitoring solutions.



JEOL

Booth 24

JEOL (Germany) GmbH was founded in July 1997 as a subsidiary of JEOL Ltd. Tokyo and completes the JEOL sales network in Europe. The head office in Eching near Munich manages all sales activities in Germany, Liechtenstein, Austria, Switzerland and Scandinavia. More than 100 qualified service technicians in Europe provide for a quick and effective customer service on site. JEOL offers systems for microscopic imaging with resolutions spanning to the atomic range, and systems for the analysis of chemical compositions in the micro- and nanoscale. The JEOL clientele includes universities and research institutes as well as companies of different size and industrial sectors. With extensive knowledge and experience in electron optics and both mass and NMR spectrometry for decades, JEOL is your reliable partner not only for biological and medical research but also for the development, characterization and quality control of materials.



KR Analytical LTD

Booth 17

KR Analytical are suppliers of ambient ion sources including DART, AP-MALDI and ASAP. We also provide MALDI Image preparation equipment from SunChrom, Chemyx syringe pumps and AMS nitrogen generators. DART enables rapid analysis of samples without the need for chromatography, thus increasing sample throughput. An Ideal technique for a wide variety of applications in food, forensics, chemical analysis and environmental. The new AP-MALDI HR source enables MALDI imaging on your LC-MS at a fraction of the cost of a dedicated MALDI imaging mass spectrometer.



LECO

Booth 15-16

LECO Corporation is the manufacturing expert when combining GC and GCxGC with Time-of-Flight Mass Spectrometry (TOFMS). Our industry standard LECO GC-TOFMS platforms are all delivered with ChromaTOF® software for seamless operation, efficiency and ease of use. Customers around the world have trusted LECO to provide analytical solutions for a variety of applications and markets—environment and agriculture, energy and fuels, foods and beverages, and life sciences (metabolomics, forensic science/toxicology, and flavour/fragrance analysis). Our team can provide you with the right combination of instrumentation, outstanding service, and professional application support to meet all your needs.



LNI Schmidlin SA

Booth 31

LNI Schmidlin SA is based in Geneva and started his activities in 1905. Since 1997 a division of the company is dedicated to the development, manufacturing and commercialization of gas generators. The wide generators program include products for end users as well as for OEM's. Additionally to this product line the company provides also high precision gas calibrators and dilution devices. Gas generators of the company are now in their 3rd generation and are appreciated for their high performances, safety and limited footprint. LNI Schmidlin products and services are covered by the ISO 9001 certification and the company has also an accredited ISO 17025 calibration laboratory for flow measurements. LNI Schmidlin is proud to announce the launch of his new compact hydrogen generator in a 19" format able to generate up to 1 L7min and which include several safety features.



Matrix Science

Booth 29 (level 1)

Take the guesswork out of protein identification with Mascot Server, the benchmark for database search. Get closer to your raw data with Mascot Distiller, giving direct access to all popular files formats for peak picking, de novo sequencing, quantitation, and more. Manage your data with Mascot Insight, a powerful relational database system for organising and reporting your search and quantitation results.



Mestrelab

Booth B

Mestrelab Research created Mnova: a multipage, multivendor, and multiplatform analytical chemistry software suite designed for combined NMR and MS reprocessing, analysis and reporting. Since the inception of our company, and even when it was a research project at Santiago de Compostela University, our mission has always been to deliver top quality software tools for the scientific community and to continuously strive to push the state-of-the-art in Graphical User Interfaces, software integration, software science and automation solutions. R&D is the primary focus and heart of our company with in house developed next gen reprocessing and analysis algorithmia, this is all accompanied by our customer support which has been rated by users as excellent.



MSP Kofel

Booth G

MSP Kofel provides analytical scientists with software and databases for interpretation, confirmation and archival of spectra and chromatographic data (www.msp.ch/ms). We develop mass spectrometry software for the chemical industry, including system integration and customer specific adaptations. Since the early 1970s the MassLib® software (www.masslib.com) is one of the leading tools for the evaluation of mass spectra, e.g. GC-MS, thermal desorption, LC-MS, MSMS etc. Combining a variety of powerful searches for spectra, structures and data, with a convenient and efficient user interface make MassLib an ideal tool for the analysis of chromatography / mass spectrometry data, and particularly for structure elucidation of unknown compounds with no library reference.



MS Vision

Booth 5

MS Vision is Europe's Largest Independent LC-MS service provider. We supply multi-vendor maintenance, repair and compliance services on Waters, AB Sciex and Thermo systems, serving over 200 satisfied customers across Europe. MS Vision has also built an excellent reputation in Mass Spectrometry upgrades and dedicated instrumentation for special applications: Native Mass Spectrometry, MS Vision has been playing a leading role in the development of the technology for Mass Spectrometric study of intact proteins and their function in non-covalently bound complexes. To date over 20 instruments have been installed. LIFDI-Mass Spectrometry provides a unique and quick tool for characterization of extremely air or water sensitive metal complexes. LIFDI is a soft ionization technique which can provide excellent results for organo-metal samples, even in cases where X-Ray, NMR and elemental analysis fail. Visit www.msvision.eu for more information or visit our booth!

**NIST****Booth 1**

The NIST Mass Spectrometry Data Center (MSDC) is a part of the Biomolecular Measurement Division, within the Material Measurement Laboratory which is part of the National Institute of Standards and Technology. The MSDC is responsible for the development of evaluated reference mass spectral databases for the identification and analysis of chemical compounds by mass spectrometry. It includes the NIST/EPA/NIH Mass Spectral Library with Search Program (Data Version: NIST 14, Software Version 2.0g. <http://www.nist.gov/srd/nist1a.cfm>), the NIST Tandem Mass Spectral Library, the NIST Peptide Mass Spectral Libraries (<http://peptide.nist.gov/>), and the NIST GC Retention Index library

**Omics2Image****Booth C**

Mass Spectrometry Imaging with unprecedented resolution, speed and sensitivity Omics2Image (O2I) is a biotechnology start-up, founded in 2012. The company closely collaborates with its founding partners AMOLF and Nikhef. O2I already brought a pixelated mass spectrometry detector, the IonPix camera, to the market in 2012. The detector is employable for a wide range of applications, including mass spectrometry, neutron imaging and electron microscopy. Omics2Image offers the IonPix for Mass Spectrometry time- of-flight (MS-TOF) applications. It combines Micro Channel Plate (MCP) technology with the unique capabilities of a Timepix sensor chip. The chip contains more than 1/4 million pixels each of which can record the arrival time of an ion with 10 nanosecond accuracy. Compared to conventional TDC & ADC detectors, it offers up to 100 times better signal-to-noise ratio and dynamic range, allowing for faster acquisition of spectra. It can reduce the time needed to create an image from days to minutes.

**Peak Scientific Instruments LTD****Booth 34-35 (level 1)**

Peak Scientific Instruments are a manufacturer of laboratory gas generators including nitrogen, hydrogen and zero air suitable to operate most laboratory analytical applications such as LCMS (liquid chromatography mass spectroscopy) and GC (gas chromatography).

**Photonis****Booth 20**

PHOTONIS is the industry leader in ion, electron and photon detection and amplification products. We are the world's biggest provider of sensors for use in mass spectrometers, residual gas analysis and other analytical instruments. Our Channeltron® Electron Multipliers offer extended long life and high dynamic range. We manufacture the fastest Time of Flight (TOF) detectors on the market, with patented technology that reduces time jitter. PHOTONIS also is the leading supplier of standard and custom Microchannel Plates (MCPs) for legacy and specially designed instruments. We also offer a wide array of capillary, drift and inlet tubes manufactured with patented Resistive Glass technology, which creates an electric field to more efficiently draw charged particles into the analytical instrument.

**Phytronix Technology Inc.****Booth 8**

The leader in high throughput solution in mass spectrometry presents the LDTD-96 and LDTD-384 ion sources. These platforms are the unique way to achieve up to 1400 samples analysis per hours. This shotgun approach introduces the sample into the mass spectrometer by fast Laser Diode Thermal Desorption (LDTD) process combined to atmospheric pressure chemical reactions (LDTD-APCI). No matter what your application field is, the LDTD technology is an unmatched alternative to increase your throughput.

**Prolab Instruments GmbH****Booth 10**

Prolab Instruments GmbH specializes in robotic sample preparation and front-end systems for LC-MS-MS, fully automated SCAP DBS (dried blood spot) sample extraction and preparation, and μ HPLC pump and injection systems.

**Promega AG****Booth 7**

With a portfolio of more than 2500 products covering the fields of genomics, protein analysis and expression, cellular analysis, drug discovery, personal automation and genetic identity, Promega is a global leader in providing innovative solutions to life scientists in academic, industrial and government settings. Promega products are used by life scientists who are asking fundamental questions about biological processes as well as by scientists, who are applying scientific knowledge to diagnose diseases, develop therapeutics and use DNA testing for human identification. As an ISO-certified manufacturer, Promega is also your partner for OEM projects and for marketing your technology. Promega AG was established in 1991 as the Swiss branch office of Promega Corp., a Madison (WI, USA) based corporation. A highly competent Technical Support Team provides technical advice and support. Promega AG is also your partner for SERVA products for proteomics, electrophoresis and biochemicals.

**Providion****Booth 28 (level 1)**

As the world's largest independent provider of innovative maintenance and support solutions for LC-MS and GC-MS instruments, Providion specialise in servicing Waters, Micromass, AB Sciex, Agilent & Thermo equipment for the drug discovery and manufacturing, biotechnology, food and environmental safety, and clinical research sectors. Our team of product experts deliver everything from preventative maintenance visits to full service contracts. With comprehensive pre-owned instrument packages, free technical support, quality spare parts and rapid response to instrument breakdowns, we are proud to support over 450 satisfied customers worldwide!

**ReseaChem GmbH****Booth 3**

ReseaChem offers a broad range of services in synthesis of single labeled or unlabeled compounds for R&D purposes to explorative synthesis of compounds or libraries, isolation of natural products or degradation products as well as structure elucidation of unknown products. Unique is the offered 24-hour-NMR-service and the 24-hour-MS-service. Especially a unique expertise in the synthesis, analysis and isolation of modified DNA/RNA building block is offered. ReseaChem is the official distributor for Applikon Biotechnology as well as Cambridge Isotope Laboratories INC in Switzerland. CIL has a comprehensive range of isotope-enriched products that can be utilized for a wide range of mass spectrometry-based fields of research, including proteomics, metabolism, metabolomics, clinical diagnostics and environmental analysis.



Shimadzu

Booth 21

Shimadzu is one of the worldwide leading manufacturers of analytical instrumentation. Its equipment and systems are used as essential tools for quality control of consumer goods and articles of daily use, in health care as well as in all areas of environmental and consumer protection. Since more than 135 years, Shimadzu is at the service of science ensuring precise, reliable diagnoses and analyses in medicine, chemistry and pharmacy. Among the leaders in Gas Chromatography coupled to Mass Spectrometry, Shimadzu has recently introduced a full range of innovative LCMS triple quadrupole mass spectrometers that are opening new doors in the world of screening and quantification of traces in complex matrices. It is creating new trends in food safety, metabolomics, lipidomics ... Take the opportunity to visit our booth to discover the UFMS (Ultra Fast Mass Spectrometry) range!



Sigma-Aldrich

Booth 14

Sigma-Aldrich is a leading Life Science and High Technology company whose biochemical, organic chemical products, kits and services are used in scientific research, including genomic and proteomic research, biotechnology, pharmaceutical development, the diagnosis of disease and as key components in pharmaceutical, diagnostics and high technology manufacturing.



Springer Verlag GmbH

Booth I

Springer Science+Business Media (www.springer.com) is a leading global scientific, technical and medical publisher, providing researchers in academia, scientific institutions and corporate R&D departments with quality content via innovative information products and services. Springer has published more than 1 Million documents in Chemistry, this includes 193,548 book chapters, 874,212 journal articles and a wealth of additional content.



Sunchrom GmbH

Booth 18

SunChrom is a medium-sized enterprise, which has specialized in development and distribution of HPLC system solutions, instruments for beverage analytics and sample preparation systems for mass spectrometric applications for more than 25 years. Besides other innovations, the SunCollect system has been developed and has now established itself as one of the most important instruments used for sample preparation of MALDI Imaging experiments.



Thermo Fisher Scientific

Booth 23

Thermo Scientific is one of the premier brands of Thermo Fisher Scientific offering a complete range of high-end mass spectrometry solutions and range of analytical instruments, laboratory equipment, software, services, consumables and reagents to help solve analytical challenges from routine testing to complex research and discovery. Industry-leading mass spectrometry solutions including: ion trap, quadrupole and LC-MS systems as well as GC-MS and Isotope Ratio MS instruments. Combine these with application-specific software to provide sensitive and reliable qualitative and quantitative analysis of complex samples. Orbitrap LC/MS technology is the recognized standard for accurate mass and high-resolution measurement and is the platform of choice for the most confident protein and metabolite identification, characterization and quantitation. Combined with superior dynamic range and unsurpassed sensitivity, Orbitrap platforms are the only technology capable of providing all four benefits at the same time, without compromise. Visit the Thermo Scientific booth at IMSC to find out more!

**Tofwerk AG****Booth 6**

Tofwerk designs and builds compact, robust, high performance time-of-flight mass spectrometers. In addition to numerous OEM applications, Tofwerk has recently developed end user instruments which take advantage of our TOF analyzer performance. These include a hyphenated ion mobility TOFMS, using innovative, high sensitivity, high resolution multiplexing technology; and an ICP-TOF, which offers unprecedented speed, and high sensitivity across the full mass range. Tofwerk and Mabritec have formed an alliance to develop an optimized, high performance, low cost bacterial identification system. An easy to use Tofwerk MALDI-TOF provides mass spectra of ribosomal proteins, which are then analyzed using Mabritec's extensive database and unique algorithms. Besides human pathogens, a wide range of environmental, food and animal bacteria can be identified. The closely coupled system is designed for robust data acquisition and quality control, coupled with rapid, detailed and adaptable reporting.



UNDERSTANDING. ACCELERATED

TSI GmbH**Booth 36 (level 1)**

As an international leader in measurement technology for over 50 years, TSI Incorporated designs and manufactures precision instruments which are recognized worldwide. During IMSC 2014 TSI Inc. the world leader in aerosol and particle measurements introduces the new MacroIMSTM system for biomolecule and nanoparticle characterization. Stop by at our booth and learn more about our products.

**Waters****Booth 11**

Waters Corporation, the premium brand in the analytical instruments industry, creates business advantages for laboratory-dependent organizations by delivering practical and sustainable scientific innovation to enable significant advancements in healthcare delivery, environmental management, food safety, and water quality worldwide. Bringing keen understanding and deep experience to those responsible for laboratory infrastructure and performance, Waters helps customers make profound discoveries, optimize laboratory operations, deliver product performance, and ensure regulatory compliance. Pioneering a connected portfolio of separations and analytical science, laboratory informatics, mass spectrometry, as well as thermal analysis, Waters' technology breakthroughs and laboratory solutions provide an enduring platform for customer success.

**Wiley****Booth F**

Wiley is a global provider of content-enabled solutions to improve outcomes in research, education and professional practice with online tools, journals, books, databases, reference works and laboratory protocols. With strengths in every major academic, scientific and professional field, Wiley proudly partners with over 800 prestigious societies representing two million members. The Company's website can be accessed at <http://www.wiley.com>.



Official Carrier

UPLC-MS
ULTRA FAST MASS SPECTROMETRY



Detect more. Discover more.

Introducing the new Shimadzu LCMS-8050 Extraordinary sensitivity in the world's fastest triple quadrupole mass spectrometer

The new Shimadzu LCMS-8050 triple quadrupole mass spectrometer delivers stunning sensitivity and exceptionally high data acquisition speed to give you accurate quantitation for the most demanding applications required by clinical research, environmental, food safety, DMPK and ADMET studies and quantitative proteomics.

Engineered with advanced ultra-fast technologies, the LCMS-8050 creates new opportunities in achieving lower limits of quantitation and, with the world's fastest triple quadrupole delivering 30,000 u/sec scan speeds and a 5 m/sec polarity switching time, help to enhance data quality and accelerate sample throughput – all with industry-leading reliability.

The new Shimadzu LCMS-8050 Speed and Sensitivity beyond Comparison

www.shimadzu.eu



13. CONFERENCE VENUE & FLOOR PLANS

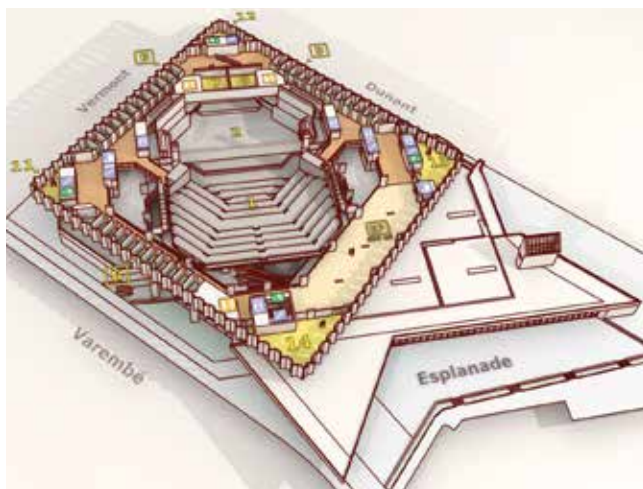
Conference Venue

Address: 17 rue de Varembe, 1211 – Geneva 20

T: +41 22 791 91 11

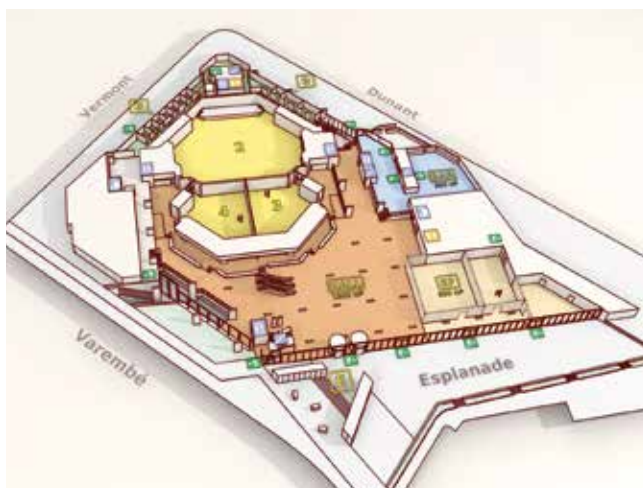
Email: info@cicg.ch

Website: www.cicg.ch



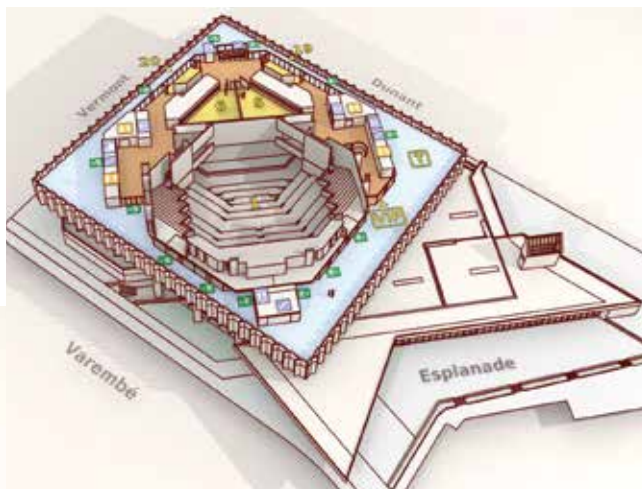
LEVEL 2

Art Exhibition - Rooms 7, 8, 11, 12, 13 & 14



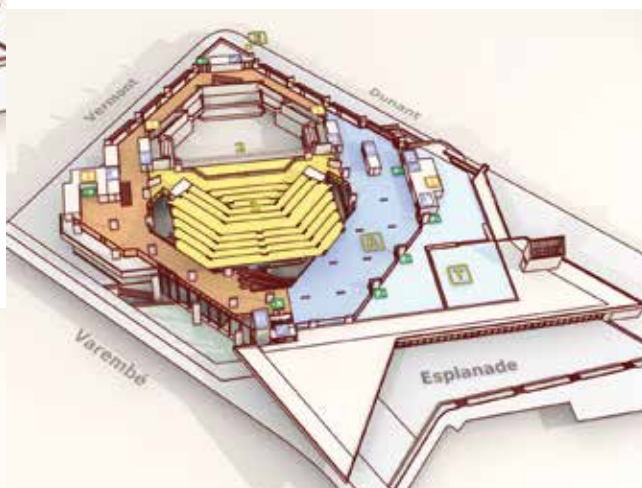
LEVEL 0

Exhibition Area - Rooms 2, 3 & 4



LEVEL 3

Rooms 5, 6, 19 & 20



LEVEL 1

Exhibition Area, Room 1, Speaker Room



LEVEL -1

Poster Exhibition - Rooms 15, 16, 17 & 18

Nothing hides from **SWATH™**

PROTEINS AND PEPTIDES BEWARE

SWATH™ Acquisition 2.0 with variable windows is here.

The new **AB SCIEX TripleTOF® 6600 System with SWATH™ 2.0** captures virtually every detectable peptide and protein in every run, with MRM-quality quantitation and sample-to-sample reproducibility that accelerate discovery.

SEE FOR YOURSELF!
CICG | Booth #22 (Ground floor)

Drop by our **Hospitality Suite (CICG | Room #14 | Level 2)** to see our latest products and discuss your application challenges with our team of experts.

The next-generation proteomics platform has arrived.

To learn more, visit absciex.com/swath-6600



14. GENERAL INFORMATION

Welcome Desk and Congress Secretariat

Located on the ground floor of the Congress Center, on you're right after the main doors.
Tel: +41 22 791 94 41

Opening Hours:

- Saturday August 23rd, 07:30 – 17:30
- Sunday August 24th, 08:00 – 20:00 (tutorial lectures at 15:30, Welcome Mixer at 18:45 until 21:00)
- Monday August 25th, 07:00 – 19:00
- Tuesday August 26th, 07:00 – 19:00
- Wednesday 27th, 07:00 – 19:00
- Thursday 28th, 07:00 – 19:00
- Friday 29th, 07:30 – 13:00 (Farewell Cocktail from 12:15 - 13:00)

Wi-Fi

Free Wi-Fi will be provided within the CICG for the entire duration of the congress
Username: IMSC
Password: 2014

Speakers' Room

A «Speaker Preview room» will be provided for all oral presentation at the first floor of the congress center.

Presentations must be in PowerPoint form only (MAC or PC) and saved on an empty USB key.

All presenters must announce themselves to the AV technician in the Speaker Preview room **at least 45 minutes** before the scheduled presentation time.

An audio, video and basic running check of the PPT will be performed at that time.

Buses and Tramway

The buses and trams around Geneva run from about 05:00 – 24:00 hr. Depending on the line, additional night buses and trams are scheduled after 24:00 on weekends.

From	Name of bus stop to CICG	Bus/tram	Direction
Main Station Cornavin	Vermont (CICG)	Bus 5	Airport
Main Station Cornavin	Sismondi (CICG)	Tram 15	Nations
Airport	Vermont (CICG)	Bus 5	Thônex Vallard

For additional information on the tram and bus schedules/routes, please visit www.tpg.ch

Parking

A spacious parking lot is situated right next to the CICG called "Parking des Nations" on Rue de Varembeé. It has space for approximately 1,100 vehicles, and is located within walking distance of the CICG.

Taxi

Taxi services in Geneva operate 24 hours a day, 7 days a week. There are many taxi stands around the city and you can call + 41 22 331 41 33 at any time for a scheduled pick-up. If you would like to ask to be picked up or dropped off directly at the CICG, please ask the driver for "Esplanade du CICG", which will transport you to the closest entrance of the congress.

Official Language

All sessions of the scientific program are in English. There will be no simultaneous translations offered.

Currency

The national currency of Switzerland is the Swiss Franc. The exchange rates given below are subject to change:

- CHF 1 = USD 1.058
- CHF 1 = EUR 0.811.

Banking hours are from Monday to Friday, 8.30 AM to 4.30 PM

Excursions

Various excursions for participants are available for last-minute booking. Information can be obtained and tours can be booked at the Registration Desk.

What to do in Geneva?

The Lake – Stroll the promenades around the lake and soak up the atmosphere. Take a dip at Bains de Paquis or just relax in one of the lakeside parks or cafes. For a unique perspective on the city, take a one or two hour boat cruise around the lake.

The Old Town – Step into Saint Peter's Cathedral and then just wander the maze of cobblestone streets and discover Geneva's secrets for yourself. For more a more historical perspective, head to the Art and History Museum or the Maison Tavel – the oldest house in the city. Make sure to leave some time to check out wonderful antique boutiques located throughout the old town.

The United Nations Building and Red Cross Museum – Take a tour of the European Headquarters of the United Nations followed up by a visit to the Red Cross Museum across the street. Be sure to take note of the many sculptures as you wander the grounds in between including the "Broken Chair" monument to land mine victims at Place des Nations.

Carouge – Hop across the L'Arve River to the Bohemian burg of Carouge modeled after Nice, France and filled with quaint boutiques where you can actually observe the artisans at work in their studios. Relax in one of Carouge's artsy cafes or hang around until after dark to party in one the neighborhood's famous jazz clubs.

Bastions Park and Place Neuve – Enjoy the park and be sure to pay reverence to Reformation Wall on the east side along the old city wall. Test your skill at the life size chessboards or relax at the pavilion café before heading out the gates to Place Neuve, home to Geneva's oldest and most beautiful performance and exhibition halls.



Enjoy Diversity!

Geneva Pass
24|48|72
hours

47 ATTRACTIONS
FREE PUBLIC TRANSPORT
from **25 CHF**

FREE WITH GENEVA PASS
Museums, Cruises, Guided tours, Cable car, Canoe and many more.

BUY YOUR GENEVA PASS:
• At Geneva Tourism – Rue du Mont-Blanc 18
• Other sales offices and online purchasing: www.geneva-tourism.ch

NEW Buy online and get **10% DISCOUNT**

GENEVE TOURISM

GENÈVE
46.85228175, 6.630766

Window Shopping on Rue de Rive and Rue du Rhone – Gawk at the fashions and jewelry lining Geneva's most extravagant streets. Repose at one of the cafés at Place du Molard or Place de la Fusterie for some first class people watching.

Paquis and Les Grottes – Explore Geneva's most international districts located just north and east of Gare Cornavin. Try one of the area's many ethnic restaurants and don't forget the shopping. The Schtrumpfs Building located at 23-29 Rue Louis-Favre in Les Grottes is a fantastical architectural icon that defies description.

Plainpalais Flea Market – Mingle with the locals at Geneva's largest outdoor flea market open Tuesdays, Fridays and Sundays from 08:00 to 17:00 rain or shine. Antiques, records, vintage clothing and other curios await savvy bargain hunters.

The Saleve – Ride the gondola up Geneva's backyard mountain and enjoy breathtaking views of the surrounding Alps and the city below. Of course if you're feeling fit, you can hike up along one of the Saleve's many marked trails.

Get Out – Take a bike or boat ride to any of Lake Geneva's other lakeside paradises or hop on an excursion bus at Gare Routiere to visit one of Switzerland's famous mountain towns.

Restaurants around CIGG

Name	Address Contact	Food Range of Price	Distance from CIGG
MIP / CIGG	17, rue de Varembe 0041 22 791 94 65	Regional, Vegetarian CHF 15.00 - 20.00	0.17 km
La Romana	37, rue de Vermont 0041 22 734 84 86	Italian CHF 20.00 - 30.00	0.230 km
Les Nations	87, rue de Montbrillant 0041 22 734 35 45	Italian CHF 20.00 - 30.00	0.260 km
Sagano	86, rue de Montbrillant 0041 22 733 11 50	Japanese CHF 20.00 - 30.00	0.350 km
Salsabeel	27, avenue de France 0041 22 734 94 04	Indian CHF 20.00 - 30.00	0.450 km
La Favorita	14, rue de Vermont 0041 22 733 61 84	Mediterranean CHF 20.00 - 30.00	0.500 km
Lémon Café	4, rue du Vidollet 0041 22 733 60 24	French CHF 20.00 - 30.00	0.600 km
L'Ariana	83, rue de Montbrillant 0041 22 740 07 67	Swiss, regional CHF 15.00 - 35.00	0.650 km
L'Europa	1, rue Richard Wagner 0041 22 740 09 05	Italian CHF 15.00 - 23.00	0.650 km
La Colombe	11, ch.Des Colombettes 0041 22 734 58 00	Mediterranean CHF 20.00 - 35.00	0.650 km
Woods- Intercontinental Hotel	7 - 9, Chemin du Petit Saconnex 0041 22 919 32 61	Regional CHF 38.00 - 70.00	0.850 km
Sala	18, rue Maurice Brillard 0041 22 733 39 33	Thai CHF 20.00 - 49.00	0.850 km
Tzing Tao	12, avenue de Sécheron 0041 22 732 02 89	Chinese CHF 15.00 - 25.00	1.0 km
Chez Ma Cousine	2, ch.Du Petit Saconnex 0041 22 733 79 85	Grill, French CHF 15.00 - 20.00	1.1 km
Rajmoni	54, rue Rothschild 0041 22 738 20 96	Indian CHF 25.00 - 30.00	1.2 km
Café du Soleil	6, place du Petit Saconnex 0041 22 733 34 17	Swiss, regional CHF 20.00 - 30.00	1.3 km

Welcome Mixer

Sunday 23rd August – 18:45 - 21:00
Main hall and First Floor / Congress Center

Traditional Swiss specialties

Conference Dinner

The Conference Dinner will give you the opportunity to meet the delegates in a more casual atmosphere.

Location	Time	Price	Dress code
Bâtiment des Forces Motrices	Thursday, 28 th August 19:30	Sold out	Casual



Bâtiment des Forces Motrices

The Bâtiment des Forces Motrices is an example of the successful restoration and transformation of an industrial site. Two official inaugurations have thus taken place during its existence, one in May 1886 as a factory and the other in September 1997 when it became an opera house.

It is conveniently located in the heart of Geneva, 10 minutes' walk from the Cornavin train station and right next to the bus and tram stops called "Stand" (bus 1 or tram 15).

Farewell Cocktail

Friday, 29th August – 12:15
First Floor / Congress Center

CERN excursion

CERN, the European Organization for Nuclear Research, is one of the world's largest and most respected centres for scientific research. Its business is fundamental physics, finding out what the Universe is made of and how it works. At CERN, the world's largest and most complex scientific instruments are used to study the basic constituents of matter — the fundamental particles. By studying what happens when these particles collide, physicists learn about the laws of Nature. The instruments used at CERN are particle accelerators and detectors. Accelerators boost beams of particles to high energies before they are made to collide with each other or with stationary targets. Detectors observe and record the results of these collisions. Founded in 1954, the CERN Laboratory sits astride the Franco-Swiss border near Geneva. It was one of Europe's first joint ventures and now has 20 Member States.



	CICG – CERN	CERN - CICG	
Saturday 23 rd August	Boarding time: 8:00	Bus departure 12:30	Sold out
Friday 29 th August	Boarding time: 13:00	Bus departure 18:00	Sold out
Saturday 30 th August	Boarding time: 8:00	Bus departure 12:30	Sold out

Better Detectors produce Better Results.

PHOTONIS is the #1 detector supplier to most analytical instrument manufacturers.

Our high-quality detectors provide longer sustained output and greater longevity, for more durable and reliable results.

Switch to PHOTONIS for a wide range of high-quality custom and standard detectors:

Microchannel Plates

Superior Gain and Resolution with Low Noise

Time-of-Flight Detectors

Reduced Time Jitter to Improve Mass Resolution

Advanced Performance Detectors

Complete Assemblies with Quality MCPs

Resistive Glass Ion Transport Tubes

Up to 1000X Increase in Ion Throughput

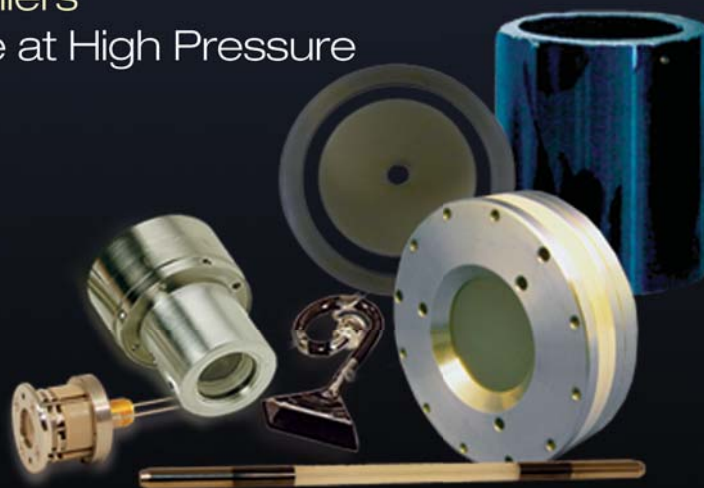
Channeltron® Electron Multipliers

Extended Dynamic Range at High Pressure

Visit us at
Stand # 20

Ask about our complete line of replacement detectors.

PHOTONIS



For more information, visit www.photonis.com or email sales@usa.photonis.com.

15. SHORT COURSES AND WORKSHOPS

SHORT COURSES

SHORT COURSE N° 1: FUNDAMENTALS OF MASS SPECTROMETRY

O. David Sparkman, Jürgen H. Gross

Dates: August 23rd, 2014, 10:00-17:00 / August 24th, 2014, 10:00-15:00

The first day session is a prerequisite for attending the second day session

Prices:

CHF 200.00.- for delegates

CHF 100.00.- for students (undergraduate and graduate/ Ph.D.Students)

Price includes certificate, course material, coffee breaks and lunches

Room: 18 (level -1)

Language and Presentation: English / PowerPoint

A two-day course on the interpretation of mass spectra of organic compounds. Starting at the introductory level, the course is intended to provide the fundamentals for an understanding of the basic principles and applications of mass spectrometry of organic molecules.

Key topics of the short course are ionization processes, the formation and interpretation of isotopic patterns, uses of high-resolution and accurate mass for molecular formula determination, and an introduction to the fragmentation pathways of odd-electron and even-electron ions. Information regarding available mass spectral databases will be provided along with how to use them with all types of organic mass spectrometry including MS/MS data.

With an emphasis on the analysis of small molecules, you will learn to systematically employ all of the above mass spectral data for compound identification and structure elucidation. To complete the course, compact lectures on instrumentation and its common modes of operation, as well as on the basics of widespread soft ionization methods such as chemical ionization (CI), field desorption (FD including LIFDI), electrospray ionization (ESI), and matrix-assisted laser desorption/ionization (MALDI) and ambient MS (DESI, DART) will be included.

Methodology

Lectures (about 80 % of the time) plus short and simple exercises to assist understanding.

SHORT COURSE N°2: AMBIENT MASS SPECTROMETRY

Zheng Ouyang

Date: August 24th, 2014, 10:00-15:00

Prices:

CHF 150.00.- for delegates

CHF 75.00.- for students (undergraduate and graduate/ Ph.D.Students)

Price includes certificate, course material, coffee breaks and lunches

Room: 15 (level -1)

Language and Presentation: English / PowerPoint

Ambient mass spectrometry refers to the emerging methodology of direct analysis of chemical and biological samples in their ambient status using mass spectrometry. It is characterized by minimal sample preparation while retaining high sensitivity and high specificity for the analysis. The aim of this short course is to share the philosophy and vision for an important future direction of mass spectrometry, to provide fundamental knowledge on direct sampling ionization and associated mass analysis methods, to teach the practical aspects of device design, performance optimization, and application development using ambient mass spectrometry.

The key topics of the short course include the design configurations and operation principles for major types of ambient ionization methods, real-time reactions and other fundamental studies, applications to fast chemical detection, direct quantitation of biomarkers in biological samples, ambient mass spectrometry imaging, and integration with miniature mass spectrometers for point-of-care applications. The short course will be taught with tutorial lectures, discussions and exercises.

SHORT COURSE N°3: TARGETED PROTEOMICS

Ruedi Aebersold, IMSB ETHZ

Date: August 24th, 2014, 10:00-15:00

Prices:

CHF 150.00.- for delegates

CHF 75.00.- for students (undergraduate and graduate/ Ph.D.Students)

Price includes certificate, course material, coffee breaks and lunches

Room: 6 (level 3)

Language and Presentation: English / PowerPoint

Targeted proteomics by mass spectrometry is emerging as a powerful technology in cases in which specific sets of proteins need to be consistently detected and accurately quantified across cohorts of (complex) samples. Targeted proteomic measurements initially were based on selected/multiple reaction monitoring (S/MRM). More recently, emerging mass spectrometric methods including PRM and SWATH-MS.

The aim of this course is to provide the participants the required knowledge and skills to design and analyze their own targeted proteomic experiments using the most advanced and state-of-the art methods. We aim to fill in the gap between theory and the actual implementation of the targeted proteomics workflow, so that by the end of the course the students will have a sound knowledge base to implement the targeted proteomics workflows on their own research.

The course will consist of presentations and tutorials that explain the theoretical base of targeted proteomics, discuss the optimal parameters for data acquisition and provide an overview of the computational tools required for the processing and statistical analysis of targeted proteomics datasets. The course will also cover informational resources such as assay libraries that are publicly accessible to support the technology

WORKSHOPS

MONDAY 25th AUGUST, 2014

WORKSHOP N° 1: MS IN THE CLOUD

Time: 17:15 – 19:00

Room: 5 (level 3)

Organizer: Nathan Yates

Course material will be distributed to the participants at the beginning of the course

WORKSHOP N° 2: STATISTICS AND SOFTWARE IN MASS SPECTROMETRY

Time: 17:15 – 19:00

Room: 6 (level 3)

Organizer: Ruedi Aebersold and Olga Vitek

The confirmed presenters are:

- Ruedi Aebersold, Department of Biology, Institute of Molecular Systems Biology, ETH Zürich, and Faculty of Science, University of Zürich, Switzerland
- Dario Amodei, Department of Radiology, Stanford University, USA
- Olga Vitek, Department of Statistics and Department of Computer Science, Purdue University, USA

Targeted proteomics based on Selected Reaction Monitoring (SRM), and more recently on Data-Independent Acquisition (DIA, or SWATH-MS), plays an important role in mass spectrometry-based biological and biomedical investigations. However, these workflows require new specialized computational and statistical tools for experimental planning and for analyzing the acquired spectra. Development of such tools is now an active area of research. This workshop will highlight the most recent advances in signal processing, data analysis algorithms, and statistical methodology for targeted proteomics offered within the computational framework Skyline and its external tools. The presentations will include detailed examples with experimental datasets, and discuss potential future development efforts.

Brief schedule:

- Ruedi Abersold: Introduction to targeted mass spectrometry, and its role in proteomic research.
- Dario Amodei: New developments supporting SRM and DIA workflows in Skyline.
- Olga Vitek: New developments in MSstats, a Skyline external tool for statistical analysis of quantitative proteomic experiments, supporting SRM and DIA workflows.

TUESDAY, 26th AUGUST, 2014**WORKSHOP N° 3: QUANTITATIVE IMAGING MASS SPECTROMETRY (Q-IMS)****Time:** 17:15 – 19:00**Room:** 5 (level 3)**Organizer:** Mitsutoshi Setou, Hamamatsu University School of Medicine

Quantitative Imaging Mass Spectrometry (Q-IMS) refers to methods and techniques used for assigning values to the absolute local concentration of measured analytes, in addition to the mass imaging capabilities of IMS. The development of Q-IMS, which may be considered as an emerging tool, is essential for advancing practical applications of IMS. The aim of this short course is to present briefly the progress of different Q-IMS approaches, with a focus on matrix assisted laser desorption/ionization (MALDI) IMS for biomedical/ pharmaceutical research. The key topics to be discussed refer to various factors that affect the non-linear dependence between the local analyte concentration and the ionization efficiency, arising from the different ionization efficiencies of analytes, the strong influence of the environment in which ions have been created (such as heterogeneous tissue) on the ionization process and the non-linear ion collection efficiency of the instrument. Such factors are accounted for in Q-IMS by signal calibration using internal standards (IS), diluted series of IS and other methods. The validation of results using complementary techniques is necessary as a final step. A short course will be taught using a tutorial presentation followed by moderated discussions.

WORKSHOP N° 4: HOW TO SUCCESSFULLY PUBLISH SCIENTIFIC ARTICLES?**Time:** 17:15 – 19:00**Room:** 6 (level 3)**Organizer:** Rob von Daalen

This workshop is for early career scientists looking for assistance in identifying, preparing and submitting research articles to an academic journal. The workshop will provide advice on best practices, top tips, ethics, the review process and other important considerations.

Questions addressed at this workshop will include:

- What do I need to consider when preparing my article?
- How do I write an article for a specific journal?
- What happens after I submit my article to a scientific/medical journal?
- How does the peer-review process work?
- How do I choose a suitable journal?
- Which tools are available during the writing process?

WEDNESDAY 27th AUGUST, 2014**WORKSHOP N° 5: CAREERS IN MASS SPECTROMETRY****Time:** 17:15 – 19:00**Room:** 5 (level 3)**Organizer:** Tony Bristow (on behalf of the British Mass Spectrometry Society)

The confirmed presenters are:

- Alexander Makarov – Thermo Fisher Scientific
- Perdita Barran – University of Manchester
- John Langley – University of Southampton
- David Jones – VRS (Analytical Science Recruitment Specialists)

For the mass spectrometrists, career pathways are very diverse. These can be in various industrial environments (both within and outside a scientific discipline), academia, with the instrument manufacturers and in many other areas of research. To illustrate the wide variety of career options, and debate the future requirements for the “expert” user, mass spectrometrists from diverse backgrounds will provide short presentations describing their career paths. To complement these discussions, experts from the mass spectrometry recruitment sector will also be present to discuss the many options for mass spectrometry careers, the current market demand for mass spectrometry skills and more broadly analytical sciences. There will also be an opportunity to take part in discussions on the skills required to prepare a high quality article for a peer reviewed journal. This has been a very popular and successful workshop at previous IMSC meetings and again promises to deliver high impact and thought provoking discussions at IMSC 2014. We look forward to seeing you there.

WORKSHOP N° 6: TOWARDS OPEN ACCESS MASS SPECTRAL LIBRARIES

Time: 17:15 – 19:00

Room: 6 (level 3)

Organizer: Stephen E. Stein and Enrico Davoli

The widespread availability of the Internet together with the capabilities of modern mass spectrometer data systems hold the promise of enabling the global sharing of mass spectra. The hard work done by one individual to identify a compound could then be conveniently used by others. Spectra, whose identity is unknown, but possibly of practical importance, could be posted for examination and processing by others. These capabilities require the open availability of software tools and data resources for the collection, annotation and validation of these spectra. This Workshop will attempt to assess the current state of mass spectral data sharing with the goal of expanding this capability. In the first part of the Workshop, individuals involved in providing openly available data and related analysis tools will present brief status reports along with current plans and ideas for the future. An open discussion to identify ways to expand MS data sharing will follow. In this discussion we hope to clearly identify current needs and define realistic paths for addressing them. The goal is to enable different programs to coordinate their work and better assist individuals struggling to identify compounds from fragmentation products of their ions. Ion generation and fragmentation methods are not restricted in any way nor are application areas, which include any area where the identity of a compound giving rise to a spectrum is sought, including metabolomics, forensics, environmental analysis, food science among others.

16. USER'S DAY

SUNDAY 24th AUGUST, 2014

1. AB SCIEX

Room: 2

Time: 10:00 – 17:00

09:30 Registration & Breakfast Snacks

10:00 Omics & Biomarker Research Users

11:30 Break and Lunch Snacks

11:45 Pharmaceutical & Biopharmaceutical Research Users

13:15 Break and Lunch Snacks

13:30 Food & Environmental Research Users

2. CTC ANALYTICS

Room: 3

Time: 11:00 – 14:00

You are an expert in the field of mass spectrometry and chromatography. Therefore we are pleased to invite you to our brunch during the IMSC 2014 conference in Geneva.

Prof. Hopfgartner (University of Geneva), Prof. Dittmar (Max Delbrück Center, Berlin) and Dr. Lacoursière (Phytronix, Montréal) will report on new developments for automated sample prep in metabolomics and proteomics.

At the event you will have the opportunity to meet with our R&D and application experts. Different workstations will be in place to demonstrate the PAL's unique capabilities in different application areas, e.g. Smart Sampling in GC/MS, minimizing carryover in LC/MS, Solid Phase Extraction (SPE) and automated serial dilution.

3. SHIMADZU

Room: 4

Time: 10:30 – 13:30

The inclusion of ADA SCID in expanded newborn screening by MS: worldwide impact

Giancarlo LAMARCA, Mass Spectrometry Laboratory, Clinic of Pediatric Neurology, A. Meyer Children's Hospital, Florence, Italy

MALDI on tissue: pitfalls on the road to hope

Daniel LAFITTE, University Aix-Marseille, France

Quantification of pharmaceuticals and metabolites in biological fluids: triple quadrupole SRM/MS versus high resolution MS

Gérard HOPFGARTNER, University of Geneva, Switzerland

Metabolomics for medical research

Masaru YOSHIDA, Chief, Division of Metabolomic Research, Kobe University Graduate School of Medicine, Japan

17. LUNCH SYMPOSIA

MONDAY 25th AUGUST, 2014

1. AB SCIEX

Room: 3

Time: 12:00 – 13:30

Onsite registration begins at 11:45

Pharmaceutical & biopharmaceutical session

Full antibody primary structure and micro-variant characterization in a single injection using sheathless capillary electrophoresis - tandem mass spectrometry (CESI-MS)

Biologics characterization: beyond the rainbow

2. AGILENT

Room: 5 (level 3)

Time: 12:00 – 13:30

METABOLOMICS

Advances in instrumentation and software for comprehensive metabolomics.

Speaker: Theodore Sana, Ph.D., Agilent Technologies, Integrated Metabolomics Program Manager

Accurate mass GC-qTOFMS as a tool in industrial biotechnology.

Speaker: Stephan Hann, BOKU Vienna

3. BRUKER DALTONICS

Room: 4

Time: 12:00 – 13:00

Providing a new layer of insight to biological research - Driven by linking omics to biology with the new impact QTOF market solutions

Speaker: Annette Michalski, Bruker Daltonics, Germany

Pyrolysis liquid analysis using FT-ICR-MS

Speaker: Marius Kroll, Technical University Freiberg, Germany

High definition analysis in MALDI imaging

Speaker: Arnd Ingendoh, Bruker Daltonics, Germany

4. THERMO FISCHER SCIENTIFIC

Room: 2

Time: 12:00 – 13:00

Definitive DIA: the benefits of orbitrap HRAM for data independent analysis

Data-Independent Analysis (DIA) on Thermo Scientific™ Orbitrap™-based systems offers the ability to detect and quantify large numbers of proteins or small molecules in a sample by systematically collecting multiplexed MS and MS/MS data for all ionizable compounds in a sample. Several practical DIA workflow options will be discussed along with the critical benefits of data quality enabled by Orbitrap high resolution and mass accuracy

5. WATERS

Room: 6

Time: 12:00 – 13:30

HDX-MS and ion mobility MS: two essential tools to address common questions of protein and biotherapeutic higher order structure and dynamics

David Lascoux, Biopharmaceutical Development Manager, Waters Corporation, Southern Europe

TUESDAY 26th AUGUST, 2014

1. AB SCIEX

Room: 3

Time: 12:00 – 13:30

Onsite registration begins at 11:45

Omics & biomarker session

Current developments in SWATH MS - libraries, software and acquisition

Solutions for next generation proteomics and quantitative biology

2. AGILENT

Room: 5 (level 3)

Time: 12:00 – 13:30

ION MOBILITY

Advantages of high resolution uniform field ion mobility-quadrupole time-of-flight mass spectrometer for high resolution and high throughput biological sample analysis.

Speaker: Lester Taylor, Director LC/MS Marketing, Santa Clara USA

A new ion mobility-quadrupole time-of-flight mass spectrometer for high-resolution biological sample analyses.

Speaker: Joachim Thiemann, Application Scientist, Agilent Technologies, Waldbronn Germany

3. THERMO FISCHER SCIENTIFIC

Room: 2

Time: 12:00 – 13:00

10 samples in one: the magic of multiplexed proteomic analysis

Tandem Mass Tag™ (TMT™) Reagents allow researchers to derive results from 10 separate samples in a single LC-MS analysis, boosting lab productivity 10X and allowing proteomics results to play a critical role in large scale biological studies. Highly optimized and accurate TMT workflows have been developed for the Thermo Scientific Orbitrap Fusion™ Tribrid™ MS system. New enhancements which improve TMT performance even further will be shared in this workshop as well as a practical example of the impact of TMT reagents on quantitative biology in a collaborative lab.

4. WATERS

Room: 4

Time: 12:00 – 13:30

MS performance and productivity, beyond expectation

Gordon Kearney, Senior Manager (ToF MS), Mass Spectrometry Product Management, Waters Corporation

5. SHIMADZU

Room: 18 / Level -1

Time: 12:00 – 13:00

The leading-edge applications of mass spectrometry in drug discovery and diagnosis

Taka-Aki SATO, Ph.D., Life Science Research Center, Shimadzu Corporation; School of Integrative & Global Majors Ph.D. Program in Human Biology, University of Tsukuba

WEDNESDAY 27th AUGUST, 2014

1. AB SCIEX

Room: 3

Time: 12:00 – 13:30

Onsite registration begins at 11:45

Food & environmental session

Mass spectrometry to assess meat authenticity: a sensitive new approach to detect pork and horse in meat products

Quantitation of peptides and small molecules using a new high throughput trap elute micro LC-MS/MS Solution

2. AGILENT

Room: 5 (level 3)

Time: 12:00 – 13:30

Latest developments in triple quadrupole LC/MS and GC/MS technology

Triple quadrupole LC/MS developments: bringing detection limits to a new dimension.

Speaker: Bernhard Wuest, Director, LCMS Applied Market Applications, Santa Clara

For GC/MS/MS, more ions means much more than lower detection limits.

Speaker: Thomas Doherty, Product Manager, Triple Quadrupole GC/MS

3. BRUKER DALTONICS

Room: 4

Time: 12:00 – 13:00

Complementary LC-MS/MS analysis for analysis of unexpected glycosylations

Speaker: Arndt Asperger, Bruker Daltonics, Germany

Advanced mass spectrometric strategies for accurate screening and quantitation of chemical residues

Speaker: Joe Anacleto; Bruker Daltonics, Canada

4. THERMO FISCHER SCIENTIFIC

Room: 2

Time: 12:00 – 13:00

A really big challenge: quantitative characterization of protein therapeutics

Protein therapeutics are large, heterogeneous molecules, yet it is possible to characterize them precisely and quantitatively with mass spectrometry. This workshop will discuss how Orbitrap mass spectrometry can be used to generate essential structural information on proteins and protein complexes, as well as sites of modification for a comprehensive understanding of your protein drug or drug conjugate.

5. WATERS

Room: 6

Time: 12:00 – 13:30

Towards an integrated solution for transomics investigations: blending the finest in systems and software technologies for a five star omics luncheon

Robert Tonge Ph.D., Senior Product Manager OMICS Informatics, Waters Corporation, Manchester, UK

Martin Wells, European Sales Manager, Nonlinear Dynamics, Newcastle, UK

6. SHIMADZU

Room: 18 / Level -1

Time: 12:00 – 13:00

Rapid multi residue analysis of pesticides in food by UHPLC-MS/MS - Impact of MS speed on routine productivity

Delphine Milletti-Rioult, Carso Group, Lyon, France

THURSDAY 28th AUGUST, 2014

1. AB SCIEX

Room: 3

Time: 12:00 – 13:30

Onsite registration begins at 11:45

Biopharmaceutical and omics session

Sheathless capillary electrophoresis-mass spectrometry: an enabling technology for small-volume metabolomics studies

Unleashing the power of your mass spectrometer using ultra low flow CESI

2. AGILENT

Room: 5 (level 3)

Time: 12:00 – 13:30

The Agilent market leading ICP-MS portfolio and applications

Analytical capabilities of the new single quadrupole ICP-MS and the benefits of the world first triple quadrupole ICPMS in the analysis of challenging samples.

Speaker: Jean-Pierre Lener, Agilent Technologies

LC-ICP-QQQ-MS as a powerful tool to study metalloprotein supercomplexes in plant tissue.

Speaker: Søren Husted & Sidsel Birkelund Schmidt, Department of Plant and Environmental Sciences, University of Copenhagen, Denmark

3. SHIMADZU

Room: 18 / Level -1

Time: 12:00 – 13:00

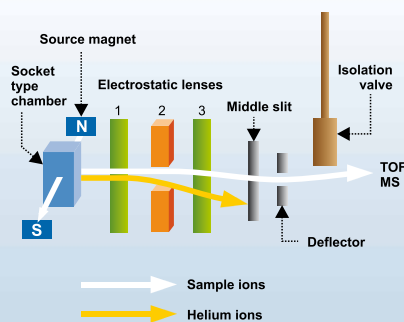
Next generation plasma collection technology and its impact on clinical LC/MS/MS analysis

Neil LOFTUS, General Manager, Shimadzu Mass Spectrometry Business Unit Overseas, Manchester, UK

Accu TOF™ 4G GCv Mass Spectrometer

Highest sensitivity GC/MS with
high speed acquisition and high resolution

- Full GC x GC Capability
- Allows multiple analytical techniques without breaking vacuum
- Simplified direct sample injection
- Optional EI/FI/FD combination ion source allows for GC/EI, GC/FI, and FD analysis without source change



Accu TOF™ GC Remove
99% of He Carrier
Gas Ions



www.jeol.de

JEOL
Solutions for Innovation

JEOL (Germany) GmbH · Oskar-von-Miller-Str. 1A · 85386 Eching
Tel.: +49 8165 77-346 · Fax: +49 8165 77-512 · E-Mail: info@jeol.de

COME TO
BOOTH
15 & 16

What Else Is In Your Sample?

Missing something important in that sample? Our GC-TOFMS and GCxGC-TOFMS products allow you to see the complete picture by providing the separation, accuracy, resolving power, deconvolution, and speed to characterize your most complex samples. ChromaTOF® software provides the ability to identify significantly more analytes—so you can solve more analytical challenges than ever before.



Pegasus® 4D



Pegasus® GC-HRT

Phone: +49 (0)2166 687 104 | sepsci@leco-europe.com | www.leco-europe.com

Leco

GCxGC | GC-TOFMS | GCxGC-TOFMS

18. SCIENTIFIC PROGRAM

Saturday, August 23th

10h00 17h00	SC01 - Short Course: Fundamentals of Mass Spectrometry <i>David Sparkman, Jürgen Gross</i>	Room 18 Level -1
----------------	--	---------------------

Sunday, August 24th

10h00 15h00	SC01 - Short Course: Fundamentals of Mass Spectrometry <i>David Sparkman, Jürgen Gross</i>	Room 18 Level -1
10h00 15h00	SC02 - Short Course: Ambient Mass Spectrometry <i>Zheng Ouyang</i>	Room 15 Level -1
10h00 15h00	SC03 - Short Course: Targeted Proteomics <i>Ruedi Aebersold</i>	Room 6 Level 3
15h30 16h00	TL01 – Tutorial Lecture: Non-Covalent Interactions Studied by MS <i>Joe Loo</i>	Room 1 Level 1
15h30 16h00	TL02 – Tutorial Lecture: Ultratrace Analysis / Speciation / Metallomics <i>Ryszard Lobinski</i>	Room 2 Level 0
17h00 18h00	SE01 - Opening Ceremony <i>Marc Suter & Renato Zenobi</i>	Room 1 Level 1
18h00 18h45	PL01: Plenary Lecture - Innate Immunity: from Flies to Humans <i>Jules Hoffmann - Chair: Julia Chamot-Rooke</i>	Room 1 Level 1
18h45 21h00	SE02 - Welcome Mixer	Exhibition Area Level 0 & 1

Monday, August 25 th		
08h00 08h45	PL02: Plenary Lecture - Accelerator MS <i>Walter Kutschera - Chair: Renato Zenobi</i>	Room 1 Level 1
09h00 11h00	MOS01 - Fourier-Transform MS <i>Chairs: Yury Tsybin, Julia Chamot-Rooke</i>	Room 1 Level 1
MOS01-01	Keynote: 40 Years of Fourier transform mass spectrometry: progress and prospects Alan Marshall ¹ , Steven Beu ² , Greg Blakney ³ , Tong Chen ³ , Yu Chen ³ , Christopher Hendrickson ³ , Nathan Kaiser ³ , Daniel McIntosh ³ , John Quinn ³ , Ryan Rodgers ³ , Chad Weisbrod ³ ¹ Florida State University, ² S. C. Beu Consulting, ³ National High Magnetic Field Laboratory	
MOS01-02	Novel mass analyzers for rapid high-performance FTMS Yury O. Tsybin, Konstantin O. Nagornov, Konstantin O. Zhurov, Anton N. Kozhinov Ecole Polytechnique Federale de Lausanne	
MOS01-03	2D FT-ICR MS using non-uniform sampling (NUS) and advanced data processing. Application to human plasma triglyacylglycerols (TAG) analyzed by nano ESI/IRMPD Christian Rolando ¹ , Fabrice Bray ¹ , Lionel Chiron ² , Marc-André Delsuc ² ¹ Université Lille 1, ² Université de Strasbourg	
MOS01-04	New developments in speeding up orbitrap mass spectrometry Alexander Makarov, Jan-Peter Hauschild, Eduard Denisov, Amelia Peterson, Oliver Lange, Eugen Damoc, Mathias Mueller, Erik Couzijn, Konstantin Ayzikov, Andreas Wiegand, Markus Kellmann ThermoFisher Scientific (Bremen) GmbH	
MOS01-05	Non orbital electrostatic traps and MR-TOF Anatoly Verenchikov ¹ , Viatcheslav Artaev ² , Mikhail Yavor ¹ , Vasily Makarov ¹ ¹ Mass Spectrometry Consulting, MSC-CG, ² LECO Corp	
09h00 11h00	MOS02 - Synthetic Macromolecules <i>Chairs: Anna Crecelius, Ulrich Schubert, Gérard Hopfgartner</i>	Room 2 Level 0
MOS02-01	Keynote: MALDI-TOF mass spectrometry as a powerful tool for the structure elucidation of complex polymers Harald Pasch ¹ , Nadine Pretorius ¹ , Helen Pfuikwa ¹ , Karsten Rode ² ¹ University of Stellenbosch, ² Fraunhofer-Institut für Betriebsfestigkeit und Systemzuverlässigkeit	
MOS02-02	CID versus activated EPD for the characterization of PAMAM dendrimers Aura Tintaru ¹ , Marion Girod ² , Rodolphe Antoine ² , Jérôme Lemoine ² , Philippe Dugourd ² , Laurence Charles ¹ ¹ Aix-Marseille University, ² University of Lyon	
MOS02-03	Atmospheric pressure solid analysis probe with ion mobility-mass spectrometry as a new powerful tool for the characterization of complex industrial mixtures Caroline Barrère ¹ , Marie Hubert-Roux ¹ , Carlos Afonso ¹ , Amandine Racaud ² , Pierre Giusti ³ ¹ Normandie University, ² TOTAL Marketing Services, ³ TOTAL Refining & Chemicals	
MOS02-04	MS/MS of incompletely and fully condensed POSS with different substituents – folding and unfolding routes. Thierry Fouquet ¹ , Laurence Charles ² , David Ruch ¹ ¹ Public Research Centre Henri Tudor, ² Aix Marseille University	
MOS02-05	Segregation in dried droplet polymer sample spots examined by MALDI imaging MS Steffen Michael Weidner ¹ , Gabriel Stefan ¹ , Clemens Schwarzingner ² , Ulrich Panne ¹ ¹ Federal Institute for Materials Research and Testing (BAM), ² Kepler-University Linz	
09h00 11h00	MOS03 - Mass Spectrometry Instrumentation <i>Chairs: Matthias Frank, Günter Allmaier</i>	Room 3 Level 0
MOS03-01	Keynote: Analysis of viruses, VLP-antibody complexes and vaccines by means of nano ESI combined with differential mobility analyzer and bionanoparticles collection Guenter Allmaier ¹ , Victor Weiss ¹ , Marlene Havlik ¹ , Peter Kallinger ² , Martina Marchetti-Deschmann ¹ , Wladyslaw Szymanski ² ¹ Vienna University of Technology, ² University of Vienna	
MOS03-02	Precision mass spectrometry on short-lived nuclides: new methods and results Lutz Schweikhard University of Greifswald	
MOS03-03	A new primary ion beam source for secondary ion mass spectrometry using vacuum electrospray of ionic liquids Yukio Fujiwara, Naoaki Saito National Institute of Advanced Industrial Science and Technology (AIST)	

MOS03-04	Gas flow in electrospray ionization/atmospheric pressure interfaces: simulation and experiment <u>Julius Reiss</u> ¹ , Laurent Bernier ¹ , Stephan Rauschenbach ² , Matthias Pauly ³ ¹ TU Berlin, ² Max-Planck-Institute for Solid State Research, ³ Université de Strasbourg	
MOS03-05	Development of high mass resolution tandem time-of-flight (TOF) mass spectrometer applicable to High Energy Electron Transfer Dissociation (HE-ETD) <u>Shigeo Hayakawa</u> ¹ , Ryuji Fujimoto ¹ , Masanobu Sogi ¹ , Hirofumi Nagao ² , Naruaki Imaoka ² , Michisato Toyoda ² , Yasushi Shigeri ³ ¹ Osaka Prefecture University, ² Osaka University, ³ National Institute of Advanced Industrial Science and Technology	
09h00 11h00	MOS04 - Aerosol MS and Atmospheric Science <i>Chairs: Urs Baltensperger, Renato Zenobi</i>	Room 4 Level 0
MOS04-01	Keynote: Molecular characterization of atmospheric aerosols by high-resolution mass spectrometry <u>Alexander Laskin</u> ¹ , Julia Laskin ¹ , Sergey Nizkorodov ² ¹ Pacific Northwest National Laboratory, ² University of California, Irvine	
MOS04-02	Simultaneous gas- and particle-phase measurements using a chemical ionization high-resolution time-of-flight mass spectrometer <u>Claudia Mohr</u> ¹ , Felipe Lopez-Hilfiker ¹ , Ben Lee ¹ , David Covert ¹ , Anna Lutz ² , Mattias Hallquist ² , Doug Worsnop ³ , Joel Thornton ¹ ¹ University of Washington, ² University of Gothenburg, ³ Aerodyne Inc.	
MOS04-03	Characterization of organic trace species in gaseous and particulate emissions of a ship diesel engine fueled with diesel and heavy fuel oil <u>Thorsten Streibel</u> ¹ , Christian Radischat ¹ , Johannes Passig ¹ , Hendryk Czech ¹ , Benjamin Stengel ¹ , Rom Rabe ¹ , Olli Sippula ² , Ralf Zimmermann ¹ ¹ University of Rostock, ² University of Eastern Finland	
MOS04-04	Molecular characterization of secondary organic aerosol from the green leaf volatile 3-Z-hexenal and related precursors <u>Mohammad Safi Shalamzari</u> ¹ , Ariane Kahnt ² , Reinhilde Vermeylen ² , Tadeusz E. Kleindienst ³ , Michael Lewandowski ³ , Willy Maenhaut ⁴ , Magda Claeys ² ¹ University of Antwerp (Campus Drie Eiken), ² University of Antwerp, ³ US Environmental Protection Agency, ⁴ Ghent University	
MOS04-05	New soft ionisation ultra-high resolution mass spectrometry methods for characterizing the organic fraction of atmospheric particles <u>Markus Kalberer</u> ¹ , Peter Gallimore ¹ , Stephen Fuller ¹ , Ivan Kourtchev ¹ , Paddy Szeto ¹ , Anna Fee ¹ , Yongjing Zhao ² , Steven Cliff ² , Anthony Wexler ² , Peng Lin ³ , Jinazhen Yu ³ ¹ University of Cambridge, ² University of California, Davis, ³ University of Science & Technology, Hong Kong	
09h00 11h00	MOS05 - Nucleic Acids <i>Chairs: Daniele Fabris, Eric Forest</i>	Room 5/6 Level 3
MOS05-01	Keynote: Mass spectrometry for nucleic acids biophysics <u>Valérie Gabelica</u> Inserm/Université Bordeaux (U869)	
MOS05-02	Ligand binding to DNA G-quadruplexes studied by ESI-MS from potassium solutions <u>Adrien Marchand</u> , Valérie Gabelica Inserm / Université Bordeaux	
MOS05-03	Formation and dissociation of the tetramolecular DNA i-motif by the sequences d(XnC4Ym) in the gas- and solution-phase <u>Xinhua Guo</u> , Yanwei Cao, Yujiao Qin, Shang Gao Jilin University	
MOS05-04	Non-standard gas-phase fragmentation of short, highly charged oligonucleotides <u>Rahel Eberle</u> , Stefan Schürch University of Bern	
MOS05-05	MS-based elucidation of RNA structures <u>Matteo Scalabrin</u> , Papa Nii Asare Okai, Sugyan Dixit, Yik Siu, Daniele Fabris The RNA Institute, University at Albany	
11h00 13h00	Poster Sessions <i>Odd Numbered Abstracts</i>	Poster Exhibition Hall Level -1
13h00 15h00	Poster Sessions <i>Even Numbered Abstracts</i>	Poster Exhibition Hall Level -1
MPS01	Fourier-Transform MS	
MPS02	Polymers	
MPS03	MS Instrumentation	
MPS06	Clinical Applications and Screening	
MPS07	Imaging MS – Instrumentation	
MPS08	Carbohydrates	
MOS31	Biomarkers and Diagnostics	

15h00
17h00**MOS06 - Clinical Applications and Screening**

Chairs: Yoshi Wada, Ruedi Aebersold

Room 1
Level 1

MOS06-01 **Keynote: Direct mass spectrometric analysis of mucosal membranes – experimental approaches and applications**
Zoltan Takats, Nicole Strittmatter, Julia Balog, Frank Huang, James Kinross, Sacheen Kumar, Trevor Hansel, Emrys Jones
Imperial College London

MOS06-02 **Individualized tissue analysis for EGFR-dependent phosphoproteomic signature in non-small-cell lung cancer**
Yi Ting ET Wang^{1,2}, Chia-Feng Tsai¹, Chih-Chiang Tsou³, Pei-Yi Lin¹, Sung-Liang Yu², Szu-Hua Pan², Pan-Chyr Yang^{1,2}, Alexey Nesvizhskii³, Yu-Ju Chen¹
¹Academia Sinica, Taipei, ²National Taiwan University, Taipei, ³University of Michigan, Ann Arbor

MOS06-03 **Screening of biological samples by SWATH acquisition and processing by high resolution reference spectra**
Stefan König, Thomas Wüthrich, Stefanie Salzmann, Wolfgang Weinmann, Susanne Nussbaumer
IRM Bern

MOS06-04 **Ultrasensitive detection and quantitation of neuroactive steroids using a post-activation ion-molecule reaction mediated by lithium**
Scott A. Shaffer, Shunyan Mo, Kristina M. Deligiannidis
University of Massachusetts Medical School

MOS06-05 **New approaches to multiplex newborn screening of lysosomal storage disorders by tandem mass spectrometry**
Frantisek Turecek, Mariana Barcenás, C. Ronald Scott, Michael Gelb
University of Washington

15h00
17h00**MOS07 - Imaging MS – Instrumentation**

Chairs: Ron Heeren, Markus Stöckli

Room 2
Level 0

MOS07-01 **Keynote: Expanding the usefulness of secondary ion mass spectrometry for biologically relevant measurements**
Christopher Anderton¹, Donald Smith^{2,3}, Franklin Leach¹, Ron Heeren³, Ljiljana Paša-Toli¹
¹PNNL, ²FOM Institute AMOLF, ³National High Magnetic Field Laboratory, Florida State University

MOS07-02 **A comparison of DESI and MALDI ionisation on an oa-TOF MS for tissue imaging experiments**
Emmanuelle Claude, Mark Towers, James Langridge
Waters Corporation

MOS07-03 **MALDI-MS imaging with a synapt G2-S mass spectrometer: improving the lateral resolution to ~7 µm and the sensitivity for lipid analysis by use of novel matrices**
Hans Ketting, Simeon Vens-Cappell, Jens Soltwisch, Alexander Pirkl, Johannes Muthing, Klaus Dreisewerd
University of Münster

MOS07-04 **Low temperature plasma mass imaging (LTP-MSI): do-it-yourself instrumentation and applications in biology.**
Robert Winkler
CINVESTAV Unidad Irapuato

MOS07-05 **High performance platform for atmospheric pressure high resolution MALDI mass spectrometry imaging**
Bernhard Spengler, Sabine Guenther, Andreas Römpf, Karl-Christian Schaefer, Oliver Schulz
Justus Liebig University Giessen

15h00
17h00**MOS08 - Carbohydrates**

Chairs: Catherine Costello, Leopoldo Ceraulo

Room 3
Level 0

MOS08-01 **Keynote: Automated, detailed glycan analysis by LC/MS for biotherapeutics and integrated biology**
Pauline Rudd, Henning Henning, Radka Saldova, Mark Hilliard, Giorgio Giorgio, John O'Rourke, Fergal Fergal
National Institute for Bioprocessing Research and Training, Fosters Avenue, Blackrock, Dublin, Ireland

MOS08-02 **CE-ESI-MS/MS as a tool in protein glycosylation analysis**
Guinevere Kammeijer¹, Oleg A. Mayboroda¹, Paul J. Hensbergen¹, Manfred Wuhrer^{1,2}
¹Leiden University Medical Center (LUMC), ²Free University of Amsterdam

MOS08-03 **Xylan oligosaccharide mass profiling method for identification of *Arabidopsis thaliana* with altered O-acetylation in glucuronoxylans**
Sun-Li Chong¹, Päivi Tuomainen¹, Marta Derba Maceluch², Prashant Mohan-Anupama Pawar², Sanna Koutaniemi¹, Henrik Scheller³, Ewa J. Mellerowicz², Maija Tenkanen¹
¹University of Helsinki, ²Swedish University of Agricultural Sciences, ³Lawrence Berkeley National Laboratory

MOS08-04 **Meaning and consequence of the competitive presence of the hydrogen bond and salt interactions on the dissociation orientation of deprotonated adducts in ESI**
Ekaterina Dariy¹, Sandra Alves², Alain Perret¹, Jean-Claude Tabet²
¹CEA-Genoscope/UMR8030, ²UPMC-IPCM/CSOB/UMR8232

MOS08-05 Improved glycopeptide analysis using acetonitrile enriched sheath gas and oxonium ion dependent ETD
 Kristina Marx, Andrea Kiehne, Markus Meyer, Pierre-Olivier Schmit
 Bruker Daltonics GmbH

15h00 MOS09 - Environment – Biological Systems Interactions

17h00 Chairs: Kristin Schirmer, Thomas Hofstetter

Room 4
Level 0

MOS09-01 Keynote: Deciphering the chemical language of insects by mass spectrometry
Joanne Yew
 Temasek Life Sciences Laboratory

MOS09-02 Characterization of plant glycosylated proteome and its changes during ageing and under environmental stress conditions
Andrej Frolov¹, Elena Lukashcheva², Dominic Brauch¹, Tatiana Bilova¹, Juliane Mittasch³, Carsten Milkowski³, Natalia Osmolovskaya², Ludger Wessjohann⁴
¹Universität Leipzig, ²Saint-Petersburg State University, ³Martin Luther University Halle-Wittenberg, ⁴Leibniz Institute of Plant Biochemistry

MOS09-03 Metabolomic approaches to assess neurotoxic effects of Imidacloprid on the freshwater snail *Lymnaea stagnalis*
Sara Tufi, Marja Lamoree, Pim Leonards
 Free University of Amsterdam

MOS09-04 Cocktail approach for microsomal CYP450 phenotyping using UHPLC-QTOF
Dany Spaggiari¹, Laurent Geiser¹, Youssef Daali², Serge Rudaz¹
¹Université de Genève, ²Hopitaux Universitaires de Genève

MOS09-05 Compound-specific isotope analysis of dioxygenation products by LC-IRMS
Sarah Pati, Jakov Bolotin, Hans-Peter Kohler, Thomas Hofstetter
 Eawag, Swiss Federal Institute of Aquatic Science and Technology

15h00 MOS10 - Microbes and Viruses

17h00 Chairs: Günter Allmaier, Robert Hettich

Room 6
Level 3

MOS10-01 Keynote: Rapid characterization of microorganisms by mass spectrometry: what can be learned and how
Catherine Fenselau
 University of Maryland

MOS10-02 Top-down mass spectrometry probes immune evasion by pathogenic *Neisseria meningitidis*
Julia Chamot-Rooke¹, Joseph Gault¹, Christian Malosse¹, Marie-Cecile Ploy², Catherine Costello³, Guillaume Duménil⁴
¹Institut Pasteur, ²Limoges Université Hospital, ³Boston University Medical School, ⁴INSERM

MOS10-03 Improvement in bacterial strain differentiation by MALDI-TOF MS profiling by using microwave-assisted enzymatic digestion
Zbynek Zdrahal, Ondrej Sedo
 Masaryk University

MOS10-04 Discrimination of cyanobacterium *Microcystis aeruginosa* by MALDI-MS and analysis of its genetic diversity
Liwei Sun¹, Hiroaki Sato², Masanobu Kawachi³, Xiwu Lu¹
¹Southeast University, China, ²National Institute of Advanced Industrial Science and Technology, Japan, ³National Institute for Environmental Studies, Japan

MOS10-05 Deep quantitative proteomics to reveal regulatory mechanisms that govern carbon metabolism in mycobacteria.
Marc Moniatte¹, Tarun Chopra², Romain Hamelin³, Florence Armand³, Diego Chiappe³, John D. McKinney²
¹EPFL SV PTECH PTP, ²EPFL, Laboratory of Microbiology and Microsystems, ³EPFL, Proteomics Core Facility

17h15 WS01 – Workshop: MS in the Cloud

19h00 Nathan Yates

Room 5
Level 3

17h15 WS02 – Workshop: Statistics and Software in MS

19h00 Olga Vitek, Ruedi Aebersold

Room 6
Level 3

08h00 08h45	PL03: Plenary Lecture - Single Cell MS <i>Gary Nolan - Chair: Ruedi Aebersold</i>	Room 1 Level 1
09h00 11h00	TOS11 - Targeted and Quantitative Proteomics <i>Chairs: Paola Picotti, Markus Stöckli</i>	Room 1 Level 1

- TOS11-01** **Keynote: Dynamic signaling interactomes in health and disease**
Anne-Claude Gingras
Lunenfeld-Tanenbaum Research Institute at Mount Sinai Hospital / Department of Molecular Genetics, University of Toronto
- TOS11-02** **The impact of biochemical background on quantification ranges of data-dependent, directed and targeted proteomics strategies**
Alexander Schmidt, Manuel Bauer, Erik Ahrne, Anna Baron, Timo Glatter, Anna Santamaria, Erich Nigg
Biozentrum, University of Basel
- TOS11-03** **Quantitative proteomic analysis by variable SWATH acquisition of differentially expressed proteins in monocyte-derived dendritic cells**
Ying Zhang¹, Dario Bottinelli¹, Aivett Bilbao¹, Bandar Alghanem¹, Frédéric Nikitin², Markus Müller², Frédérique Lisacek², Jeremy Luban³, Caterina Strambio De Castillia³, Emmanuel Varesio¹, Gérard Hopfgartner¹
¹University of Geneva, ²Swiss Institute of Bioinformatics, ³University of Massachusetts
- TOS11-04** **Comprehensive proteomic analysis of 3D human liver and cardiac spheroids for drug toxicity investigation**
Nathalie Selevsek¹, Jonas Grossmann¹, Paolo Nanni¹, Claudia Fortes¹, Patrino Gunness², Jens Kelm², Ralph Schlapbach¹
¹Functional Genomics Center Zurich (FGCZ), Zurich, ²InSphero AG, Zurich
- TOS11-05** **Multiplex quantification of microbial and plant protein toxins in complex matrices by immuno-extraction and high resolution targeted mass spectrometry**
Mathieu Dupre, Francois Fenaille, Cecile Feraudet-Tarisse, Patricia Lamourette, Herve Volland, Stephanie Simon, Christophe Junot, Virginie Brun, Francois Becher
CEA

09h00 11h00	TOS12 - Lipidomics <i>Chairs: Andrej Shevchenko, Eric Forest</i>	Room 2 Level 0
----------------	--	-------------------

- TOS12-01** **Keynote: Natural variation of a signalling lipid**
Markus Wenk
National University of Singapore
- TOS12-02** **Novel oxysterols in mouse and man**
William Griffiths, Peter Crick, Anna Meljon, Yuqin Wang
Swansea University
- TOS12-03** **Lipidomic characterization of tumor tissues using LC/MS, SFC/MS, MALDI-MS and multivariate data analysis**
Michal Holčapek¹, Eva Cifková¹, Miroslav Lisa¹, Vitaliy Chagovets¹, David Vrána², Jiří Gatěk³, Bohuslav Melichar²
¹University of Pardubice, ²Palacký University, Olomouc, ³Tomáš Bata University in Zlín
- TOS12-04** **Malarial parasite development: lipidomic analysis of the *P. falciparum* life cycle in human erythrocytes**
Todd W. Mitchell¹, Simon H.J. Brown¹, Phuong Tran², Alexander G. Maier²
¹University of Wollongong, ²Australian National University
- TOS12-05** **Identification and immunomodulatory functions of novel galactosylceramides from gut commensal microbe *Bacteroides fragilis***
Sungwhan Oh, Dennis Kasper
Harvard Medical School

09h00 11h00	TOS13 - Gas-Phase Ion Spectroscopy <i>Chairs: Jos Oomens, Julia Chamot-Rooke</i>	Room 3 Level 0
----------------	--	-------------------

- TOS13-01** **Keynote: Spectroscopy of ions in aqueous nanodrops**
Evan Williams, Sven Heiles, Richard Cooper, Matthew DiTucci, Satrajit Chakrabarty, Terrence Chang
University of California, Berkeley
- TOS13-02** **Two-dimensional photofragmentation mass-spectrometry of cold ions.**
Oleg Boyarkine¹, Vladimir Kopysov¹, Alexander Makarov²
¹EPFL, ²Thermo Fisher Scientific
- TOS13-03** **Gas phase reactions of seleniranium ions results in Pi-ligand exchange in competition with electron transfer**
George N. Khairallah¹, S. Fern Lim¹, Benjamin L. Harris¹, Philippe Maître², Richard A. J. O'Hair¹, Jonathan M. White¹
¹University of Melbourne, ²Université Paris-Sud

TOS13-04 Conformational equilibrium of single and double protonated 1,4-diamine-2-butenes by IRMPD spectroscopy
Thiago C. Correra, Lucas C. Ducati, José M. Riveros
University of São Paulo

TOS13-05 Laser spectroscopic investigations of dichlorofluorobenzenes by REMPI and MATI spectroscopy
Sascha Krüger, Jürgen Grotemeyer
University of Kiel

09h00 TOS14 - Detectors and High-Mass MS

11h00 *Chairs: Renato Zenobi, Günter Allmaier*

Room 4
Level 0

TOS14-01 Keynote: High mass detection in imaging mass spectrometry
Ron M.A. Heeren, Anne Bruinen, Tiffany Porta, Shane Ellis
FOM-AMOLF

TOS14-02 Development of a time and position sensitive ion detector for a stigmatic imaging mass spectrometer
Yosuke Kawai¹, Hisanori Matsuoka¹, Hisanao Hazama¹, Jun Aoki¹, Michisato Toyoda¹, Yowichi Fujita², Yukiko Ikemoto², Yasuo Arai², Kunio Awazu¹
¹Osaka University, ²High Energy Accelerator Research Organization

TOS14-03 Factors that affect transmission of high mass MALDI ions in a multi-quadrupoles rectilinear ion trap mass spectrometer
Wen-Ping Peng, Avinash A. Patil, Szu-Wei Chou, Pei-Yu Chang
National Dong Hwa University

TOS14-04 A novel freestanding ultra-nanocrystalline diamond membrane for protein mass detection using MALDI-TOF-MS
Diana Hildebrand¹, Robert Blick¹, Hyun-Cheol Shin^{1,2}, Jonghoo Park³, Zlatan Aksamija⁴, Hyunseouk Kim²
¹University of Hamburg, ²University of Wisconsin-Madison, ³Kyungpook National University, Daegu, Korea, ⁴University of Massachusetts-Amherst

TOS14-05 Heavy ion mass spectrometry using STJ cryodetectors -- from Ferritin to the +1 charge state of bacteriophage HK97 capsid at 13MTh
Mark Bier¹, Logan Plath¹, David Sipe¹, Jonathan Feldman¹, Robert Duda², Hendrix Roger²
¹Carnegie Mellon University, ²University of Pittsburgh

09h00 TOS15 - Effect-Directed Analytical MS

11h00 *Chairs: Marc Suter, Olivier Laprévote*

Room 5
Level 3

TOS15-01 Keynote: Towards higher throughput in effect-directed analysis
Marja Lamoree
Free University of Amsterdam

TOS15-02 Identification of emerging pharmaceutical pollutants and human metabolites in urban wastewater treatment plants using effect-directed analysis
Caroline Gardia-Parège¹, Marie-Hélène Dévier¹, Nicolas Creusot², Selim Aït-Aïssa², Hélène Budzinski¹
¹EPOC-LPTC, ²Inéris

TOS15-03 Online LCxLC-ToF MS for effect-directed analysis in effluent and surface water
Xiyu Ouyang¹, Pim Leonards¹, Jessica Legradi¹, Merijn Schriks², Ron van der Oost³, Jacob de Boer¹, Juliette Legler¹, Marja Lamoree¹
¹Free University of Amsterdam, ²KWR Water Cycle Research Institute, ³Waternet

TOS15-04 Exploring the performance of a nontarget screening workflow on known environmental contaminants
Meng Hu^{1,2}, Tobias Schulze¹, Emma Schymanski³, Christoph Ruttkies⁴, Steffen Neumann⁴, Werner Brack¹, Martin Krauss¹
¹Helmholtz Centre for Environmental Research – UFZ, ²RWTH Aachen University, ³Eawag, Swiss Federal Institute of Aquatic Science and Technology, ⁴Leibniz Institute of Plant Biochemistry, Halle

TOS15-05 Direct mass spectrometry-to-bioassay correlation for rapid identification of toxic pollutants in water using high-throughput effect directed analysis
Jeroen Kool¹, Willem Jonker¹, Marja Lamoree¹, Corine Houtman², Timo Hamers¹, Wilfried Niessen¹, Govert Somsen¹
¹Free University of Amsterdam, ²Het Waterlaboratorium

11h00 13h00	Poster Sessions <i>Odd Numbered Abstracts</i>	Poster Exhibition Hall Level -1
13h00 15h00	Poster Sessions <i>Even Numbered Abstracts</i>	Poster Exhibition Hall Level -1
TPS11	Targeted and Quantitative Proteomics	
TPS12	Lipidomics	
TPS17	Protein Phosphorylation and other Post-translational Modifications	
TPS18	Ion-Molecule and Ion-Ion Reactions in the Gas-Phase	
TPS20	Imaging MS - Applications	
TPS41	Gas-phase Ion Fragmentation Mechanisms	
TPS42	Forensics and Doping	
TPS43	Environmental Analysis	
15h00 17h00	TOS16 - Labeling Strategies and Quantitative Biomolecule Analysis <i>Chairs: Paola Picotti, Marc Suter</i>	Room 1 Level 1
TOS16-01	Keynote: Measuring protein synthesis and breakdown using stable isotopes and mass spectrometry Dwight Matthews <i>University of Vermont</i>	
TOS16-02	Using Selective Reaction Monitoring (SRM) mass spectrometry to unmask regulatory feedback loops controlling adipogenesis Robert Ahrends ¹ , Mary N. Teruel ² ¹ ISAS, ² Stanford Medical School, Chemical and Systems Biology	
TOS16-03	Assessing the variability of ¹⁵N metabolic labeling-based proteomics in mouse brain and plasma Giuseppina Maccarrone ¹ , Michaela D. Filiou ¹ , Magdalena Soukupova ^{1,2} , Christiane Rewerts ¹ , Christian Webhofer ^{1,3} , Christoph W Turck ¹ ¹ Max Planck Institute of Psychiatry, ² University of Glasgow, ³ Sandoz Biopharmaceutical	
TOS16-04	A novel SWATH-MS platform for comprehensive characterization of the epigenetic histone modifications Joerg Dojahn ¹ , Dietmar Waidelich ¹ , Sibylle Heidelberger ¹ , Quentin Enjalbert ¹ , Antonio Serna ¹ , Francesco Brancia ¹ , Sahana Mollah ¹ , Sean Seymour ¹ , Eric Johansen ¹ , Benjamin A. Garcia ² ¹ AB Sciex, ² University of Pennsylvania School of Medicine, Philadelphia, PA	
TOS16-05	MeCAT - New possibilities of protein analysis and quantification David Benda, Gunnar Schwarz, Michael W. Linscheid <i>Humboldt-Universität zu Berlin</i>	
15h00 17h00	TOS17 - Protein Phosphorylation and other Post-translational Modifications <i>Chairs: Jesper Olsen, Ruedi Aebersold</i>	Room 2 Level 0
TOS17-01	Keynote: Mapping high resolution kinase-substrate network Andy Tao <i>Purdue University</i>	
TOS17-02	Characterization of N-linked glycans from vaccine antigens: the CYD tetravalent dengue vaccine Jean Dubayle, Sandrine Vialle, Manon Fradin, Bruno Guy, Olivier Adam, Philippe Talaga <i>Sanofi Pasteur</i>	
TOS17-03	Characterization of N-terminal acetylated proteins in <i>Pseudomonas aeruginosa</i> PA14 strain Julie Hardouin, Tassadit Ouidir, Frédérique Jarnier, Pascal Cosette, Thierry Jouenne <i>University of Rouen</i>	
TOS17-04	Monitoring dynamic protein phosphorylation on intact proteins by native MS on an orbitrap EMR Michiel van de Waterbeemd ¹ , Philip Lössl ¹ , Violette Gautier ¹ , Fabio Marino ¹ , Masami Yamashita ² , Elena Conti ² , Arjen Scholten ¹ , Albert J.R. Heck ¹ ¹ Utrecht University, Utrecht, ² Max Planck Institute of Biochemistry, Martinsried	
TOS17-05	Characterization of unusual post-translational modifications in antibodies and related molecules Patrick Schindler, Thierry Besson, Michèle Coulot, Edwige Fongue, Karen Vincent, Damien Begue, Patrick Graff, Francis Bitsch <i>Novartis</i>	
15h00 17h00	TOS18 - Ion-Molecule and Ion-Ion Reactions in the Gas-Phase <i>Chairs: Peter Armentrout, Gianluca Giorgi</i>	Room 3 Level 0
TOS18-01	Keynote: Non-covalent molecular recognition as probed by tandem mass spectrometry Mary Rodgers <i>Wayne State University, Detroit</i>	

TOS18-02	Using a charge-tagged proline-based organocatalyst for mass spectrometric mechanistic studies <u>Johann Alexander Willms</u> , Rita Beel, Martin L. Schmidt, Christian Mundt, Marianne Engeser <i>Rheinische Friedrich-Wilhelms-Universität, Bonn</i>	
TOS18-03	Electrospray mass spectrometric study of the metal triflates used as catalysts in their interaction with organic ligands: isomer recognition <u>Jean-François Gal</u> ¹ , <u>Claudio Iacobucci</u> ² , Lionel Massi ³ , Sandra Olivero ³ , Elisabet Dunach ³ , Francesco De Angelis ² ¹ Université Nice Sophia Antipolis, ² Università dell'Aquila, Italy, ³ Université Nice Sophia Antipolis, France	
TOS18-04	Selective decomposition of formic acid into H₂ and CO₂ catalyzed by coinage metal hydride cluster ions <u>Athanasios Zavras</u> , George Khairallah, Jonathan White, Richard O'Hair <i>The University of Melbourne</i>	
TOS18-05	Ion/ion reactions: new chemistries for metal ion removal, oxidation of peptides, and esterification in the gas phase <u>Scott McLuckey</u> , Alice Pilo, Carl Luongo, Joshua Gilbert, Jiexun Bu <i>Purdue University</i>	
15h00 17h00	TOS19 - Microfluidic Devices and Nanotechnology <i>Chairs: Hubert Girault, Detlef Günther</i>	Room 4 Level 0
TOS19-01	Keynote: Recombinant protein QC and disease diagnostics using chip integrated affinity MALDI strategies <u>Thomas Laurell</u> <i>Dongguk University, Seoul, South Korea</i>	
TOS19-02	When ambient ionization meets miniature ion trap mass spectrometer: chemistry, instruments and applications <u>Zheng Ouyang</u> , Yue Ren, Linfan Li, Xiaoyu Zhou, Ran Zou, R. Graham Cooks, Yu Xia <i>Purdue University</i>	
TOS19-03	Microfluidics lipidomics using a novel integrated mass spectrometry technology <u>Giuseppe Astarita</u> , Angela Doneanu, Jim Murphy, Jay Johnson, James Langridge, Robert Plumb <i>Waters Corporation</i>	
TOS19-04	Membrane-assisted isoelectric focusing device as a micro-preparative fractionator for two dimensional shotgun proteomics <u>Mohammad Pirmoradian</u> ¹ , Bo Zhang ¹ , Konstantin Chingin ¹ , Juan Astorga-Wells ¹ , Thorleif Lavold ² , Roman Zubarev ¹ ¹ Karolinska Institute, ² Biomotif AB	
TOS19-05	Ultrafast peptide decomposition by superheating <u>Matthias O. Altmeyer</u> ¹ , Pavel Neuzil ² , Andreas Manz ² ¹ KIST Europe, ² KIST Europe GmbH, Saarbrücken, Germany	
15h00 17h00	TOS20 - Imaging MS - Applications <i>Chairs: Olivier Laprévote, Markus Stöckli</i>	Room 5 Level 3
TOS20-01	Keynote: MALDI molecular imaging of proteins, metabolites and drugs for preclinical and clinical research <u>Axel Walch</u> <i>Helmholtz-Zentrum München</i>	
TOS20-02	Identification and spatial localization of proteins from mouse brain tumor using a combination of MALDI imaging and LC-MALDI <u>Arndt Asperger</u> ¹ , Michael Becker ¹ , Daniel Feldmann ² , Jennifer Ide ² , Mark Marchionni ³ , Nathalie Agar ³ , Charles Stiles ³ ¹ Bruker Daltonics GmbH, ² Brigham and Women's Hospital, HMS, Boston, ³ Dana-Farber Cancer Institute, HMS, Boston	
TOS20-03	High spatial and high mass resolution of metabolite analysis using AP-MALDI MSI <u>Dhaka Bhandari</u> , Andreas Römpf, Bernhard Spengler <i>JLU Giessen</i>	
TOS20-04	Towards quantification based MS imaging: filling the gap between MALDI MS imaging and tissue microproteomics <u>Isabelle Fournier</u> , Jusal Quanico, Julien Franck, Maxence Wisztorski, Michel Salzet <i>Université Lille 1</i>	
TOS20-05	TLC-MALDI-FT-ICR-MS coupled to imaging mass spectrometry – A unique approach to first identify then subsequently map parasite specific lipid markers in vivo. <u>Berin Boughton</u> ¹ , Mark Condina ² , Daniel Sarabia ³ , C. Dean Goodman ³ , Geoffrey I. McFadden ³ , Ute Roessner ¹ ¹ Metabolomics Australia, University of Melbourne, ² Bruker Daltonics, ³ University of Melbourne	
17h15 19h00	WS03 – Workshop: Quantitative Imaging MS (Q-IMS) <i>Mitsutoshi Setou</i>	Room 5 Level 3
17h15 19h00	WS04 – Workshop: How to Successfully Publish Scientific Articles? <i>Rob von Daalen</i>	Room 6 Level 3

Wednesday, August 27th

08h00 08h45	PL04: Plenary Lecture - Curt Brunnée Award <i>Dimitris Papanastasiou - Chair: Catherine Costello</i>	Room 1 Level 1
09h00 11h00	WOS21 - New Ionization Techniques <i>Chairs: Frantisek Turecek, Silvia Catinella</i>	Room 1 Level 1
WOS21-01	Keynote: The development and future of spray ionization techniques <u>Brian Chait</u> Rockefeller University	
WOS21-02	Development of surface acoustic wave nebulization <u>David Goodlett</u> ¹ , Scott Heron ¹ , Sung Hwan Yoon ¹ , Yue Huang ¹ , Shivangi Awasthi ¹ , Tao Liang ¹ , Erik Nilsson ² , Lisa Leung ¹ , Robert Ernst ¹ , David Kilgour ¹ ¹ University of Maryland, ² Deurion	
WOS21-03	Charged droplet beam source for secondary ion mass spectrometry using nano electrospray in vacuum <u>Satoshi Ninomiya</u> , Lee Chuin Chen, Yuji Sakai, Kenzo Hiraoka University of Yamanashi	
WOS21-04	Matrix-free desorption/ionization induced by neutral cluster impact for soft analysis of complex (bio-)samples <u>Michael Durr</u> ¹ , Andre Portz ² , Markus Baur ³ , Christoph Gebhardt ⁴ ¹ Justus Liebig University Giessen, ² JLU Giessen, ³ HS Esslingen, ⁴ Bruker Daltonics	
WOS21-05	UV-LDI- and MALDI-mass spectrometry augmented by UV-laser postionization: coupling a wavelength-tunable OPO-laser (213-400 nm) to a synapt G2-S mass spectrometer <u>Jens Soltwisch</u> , Hans Ketting, Marcel Wiegmann, Klaus Dreisewerd University of Münster	
09h00 11h00	WOS22 - Cell Biology and Cellular Pathways <i>Chairs: Anne-Claude Gingras, Gérard Hopfgartner</i>	Room 2 Level 0
WOS22-01	Keynote: Quantitative interaction proteomics for epigenetics <u>Michiel Vermeulen</u> Radboud University Nijmegen	
WOS22-02	Characterisation of human cell lines using rapid evaporative ionization mass spectrometry <u>Nicole Strittmatter</u> ¹ , Anna Lovrics ² , Emrys A. Jones ¹ , Ottmar Golf ¹ , Kirill A. Veselkov ¹ , Gergely Szakacs ² , Zoltan Takats ¹ ¹ Imperial College London, ² Hungarian Academy of Sciences	
WOS22-03	The production pipeline of the MHC peptidome <u>Arie Admon</u> ¹ , Dmitry Bourdetsky ¹ , Lilach Gutter-Kapon ¹ , Elena Milner ¹ , Ilan Beer ² , Eilon Barnea ¹ ¹ Technion - Israel Institute of Technology, ² IBM Haifa Research Laboratory	
WOS22-04	A sentinel protein assay for the quantification of cellular process activities using PRM and DIA <u>Paul J. Boersema</u> ¹ , Martin Soste ¹ , Rita Hrabakova ² , Paola Picotti ¹ ¹ ETH Zurich, ² Academy of Sciences of the Czech Republic	
WOS22-05	Quantifying 14-3-3 protein interaction and phosphorylation dynamics with SWATH mass spectrometry <u>Ben C. Collins</u> , Christina Ludwig, Ludovic C. Gillet, George Rosenberger, Hannes L. Röst, Anton Vichalkovski, Matthias Gstaiger, Ruedi Aebersold ETH Zurich	
09h00 11h00	WOS23 - Top-down Proteomics <i>Chairs: Julia Chamot-Rooke, Yury Tsybin</i>	Room 3 Level 0
WOS23-01	Keynote: A version of the human proteome project that embraces quantitative top down MS <u>Neil Kelleher</u> Northwestern University	
WOS23-02	Sequencing of native protein complexes <u>Mikhail Belov</u> ¹ , Neil Kelleher ² , Alexander Makarov ¹ ¹ Thermo Fisher Scientific, ² Northwestern University	
WOS23-03	Top-down native ETD yields conformationally selective fragment patterns <u>Albert Konijnenberg</u> ¹ , Frederik Lermyte ¹ , Jonathan Williams ² , Jeff Brown ² , Frank Sobott ¹ ¹ Universiteit Antwerpen, ² Waters	

WOS23-04 Combining low- and high-resolution top-down mass spectrometry for hemoglobin disorder diagnosis
 Didia Coelho Graça¹, Ralf Hartmer², Adelina E. Acosta-Martin^{1,3}, Wolfgang Jabs², Lorella Clerici³, Carsten Stoermer², Marcus Meyer², Yuri O. Tsybin⁴, Photis Beris⁵, Kaveh Samii³, Denis Hochstrasser^{1,3}, Alexander Scherl^{1,3}, Pierre Lescuyer^{1,3}
¹Geneva University, ²Bruker Daltonics, Bremen, ³Geneva University Hospitals, ⁴Ecole Polytechnique Fédérale de Lausanne, ⁵Laboratoire Unilabs Coppet, Geneva

WOS23-05 Extreme ultraviolet activation and fragmentation of peptide and protein ions
 Alexandre Giuliani
 Synchrotron SOLEIL / INRA

09h00 WOS24 - Trace Gas Analysis of Breath and Food Flavours
11h00 Chairs: Patrik Spanel, Gianluca Giorgi

**Room 4
Level 0**

WOS24-01 Keynote: Clinical breath (VOC) analysis - pearls and pitfalls
 Wolfram Miekisch, Jochen Schubert
 University Medicine of Rostock

WOS24-02 Breath acetone to monitor life style interventions in field conditions: an exploratory study using proton transfer reaction mass spectrometry (PTR-MS)
 Devasena Samudrala¹, Julien Mandon¹, Phil Brown¹, Frans Harren¹, Luc Tappy², Gerwen Lammers³, Simona Cristescu¹
¹Radboud University, ²University of Lausanne, ³Radboud University Nijmegen Medical Centre

WOS24-03 In vivo exhaled breath analysis: adding to lung disease diagnosis and drug monitoring
 Pablo M-L Sinues¹, Lukas Bregy¹, Robert Dallmann², Xue Li¹, Esther Schwarz³, Yvonne Nussbaumer³, Steven Brown², Malcolm Kohler³, Renato Zenobi¹
¹ETH Zurich, ²University of Zurich, ³University Hospital Zurich

WOS24-04 PTR-TOF-MS characterization of roasted coffees (*C. arabica*) from different geographic origins
 Sine Yener¹, Andrea Romano¹, Luca Capellin¹, Tilmann Maerk², Flavia Gasperi¹, Luciano Navarini³, Franco Biasioli¹, Pablo M. Granitto⁴
¹Fondazione Edmund Mach, ²Leopold-Franzens University Innsbruck, ³Illycaffè S.p.A., ⁴CIFASIS, French Argentine International Center for Information and Systems Sciences, UAM (France) / UNR-CONICET (Argentina)

WOS24-05 Evolved gas analysis by single photon ionization-mass spectrometry: a tool to distinguish different types of coffee
 Michael Fischer¹, Sebastian Wohlfahrt¹, Janos Varga¹, Mohammad Reza Saraji-Bozorgzad², Georg Matuschek¹, Thomas Denner³, Ralf Zimmermann¹
¹Helmholtz Zentrum München, ²Photonion GmbH, ³Netzsch-Gerätebau GmbH

09h00 WOS25 - Nanomaterials in MS, Nanomaterials Characterization
11h00 Chairs: Hui-Fen Wu, Laurent Fay

**Room 5/6
Level 3**

WOS25-01 Keynote: Nanomaterial-based affinity mass spectrometry for the analysis of biomolecules
 Yu-Chie Chen
 National Chiao Tung University

WOS25-02 Novel metal oxide nanomaterials for global phosphoproteome
 Yu Bai, Liping Li, Linnan Xu, Huwei Liu
 Peking University

WOS25-03 Characterization of noble metal nanoclusters and nanocages on atomic scale by ESI-Q-TOF mass spectrometry
 Elina Kalenius¹, Hannu Häkkinen¹, Maija Nissinen¹, Pia Bonakdarzadeh¹, Kari Rissanen¹, Kaisa Helttunen¹, Tanja Lahtinen¹, Kirsi Salorinne¹, Jukka Hassinen², Robin Ras²
¹University of Jyväskylä, ²Aalto University

WOS25-04 Analysis of organic surface modifications of manufactured nanomaterials by thermogravimetry coupled to MS (TGA-MS)
 Per Axel Clausen, Vivi Kofoed-Sørensen, Yahia Kembouche, Brian Hansen, Asger W. Nørgaard, Keld Alstrup Jensen
 National Research Centre for the Working Environment

WOS25-05 A new ICP-TOF-MS and new capabilities for the analysis of micro- and nanosamples
 Olga Borovinskaya¹, Sabrina Gschwind¹, Bodo Hattendorf¹, Martin Tanner², Detlef Günther¹
¹ETH Zurich, ²Tofwerk AG

11h00 13h00	Poster Sessions <i>Odd Numbered Abstracts</i>	Poster Exhibition Hall Level -1
13h00 15h00	Poster Sessions <i>Even Numbered Abstracts</i>	Poster Exhibition Hall Level -1
WPS21	New Ionization Techniques	
WPS22	Cell Biology and Cellular Pathways	
WPS24	Trace Gas Analysis of Breath and Food Flavours	
WPS26	Metabolomics	
WPS27	Small Molecules – Data Acquisition and Analysis	
WPS28	Biomolecular Conformation in the Gas-Phase and in Solution	
WPS29	Ambient Ionization and Miniaturization	
WPS44	Very Large Biomolecules and Structural Biology	
15h00 17h00	WOS26 - Metabolomics <i>Chairs: Oliver Fiehn, Olivier Laprévôte</i>	Room 1 Level 1
WOS26-01	Keynote: From MS data to systems biology applications in medicine – with specific emphasis on metabolic disorders and their co-morbidities <u>Matej Oresic</u> <i>Steno Diabetes Center</i>	
WOS26-02	Advanced LC-HRMS and GC-MS based methods for metabolomics of <i>Fusarium</i> head blight on wheat <u>Rainer Schuhmacher</u> , Christoph Bueschl, Maria Doppler, Bernhard Kluger, Nora Neumann, Alexandra Parich, Benedikt Warth, Marc Lemmens, Gerhard Adam, Rudolf Krska <i>University of Natural Resources and Life Sciences Vienna</i>	
WOS26-03	Combination of double isotopic labeling and high resolution mass spectrometry: a novel method for untargeted fungal metabolic profiling <u>Emilien Jamin</u> ¹ , Patricia M. Cano ² , Souria Tadrist ² , Pascal Bourdaudhui ² , Michel Péan ³ , Laurent Debrauwer ⁴ , Isabelle P. Oswald ² , Marcel Delaforge ⁵ , Olivier Puel ² ¹ INRA, MetaToul-AXIOM-MetaboHub, ² INRA, ToxAlim UMR1331, Toulouse, ³ CEA, DSV, IBEB, CNRS, Aix-Marseille Université, Saint-Paul-les-Durance, ⁴ INRA, ToxAlim UMR1331, Platform MetaToul-AXIOM, Toulouse, ⁵ CEA Saclay, iBiTec-S, SB2SM and URA CNRS 8221, Gif sur Yvette	
WOS26-04	Deciphering <i>de novo</i> induction of novel biomarkers in mycobiome interactions by MS-based metabolomics and microNMR <u>Jean-Luc Wolfender</u> ¹ , Samuel Bertrand ¹ , Jeroen Jansen ² , Nadine Bohni ¹ , Olivier Schumpp ³ , Katia Gindro ³ ¹ School of Pharmaceutical Sciences, EPGL, ² Radboud Universiteit Nijmegen, ³ Swiss Federal Research Station Agroscope Changins-Wädenswil	
WOS26-05	GC-MS based metabolite profiling as a means to hybrid performance prediction in winter wheat <u>Andrea Matros</u> , Jochen Christoph Reif, Yusheng Zhao, Guozheng Liu, Hans-Peter Mock <i>IPK-Gatersleben</i>	
15h00 17h00	WOS27 - Small Molecules – Data Acquisition and Analysis <i>Chairs: Thomas Hankemeier, Silvia Catinella</i>	Room 2 Level 0
WOS27-01	Keynote: Beyond the elemental composition: computer-assisted identification methods in a high resolution era <u>Robert Mistrik</u> <i>HighChem</i>	
WOS27-02	Data-independent vs data-dependent fragmentation analysis for comprehensive screening of polar organic substances in environmental samples using LC-ESI-Orbitrap <u>Matthias Ruff</u> ¹ , Bernadette Vogler ² , Philipp Longrée ¹ , Heinz Singer ¹ ¹ Eawag, Swiss Federal Institute of Aquatic Science and Technology, ² Duke University	
WOS27-03	Application of MALDI imaging to analyze glycosyl flavonoids from plant tissue, a method to localize and differentiate isomeric compounds by MS/MS data. <u>Norberto Lopes</u> , Denise Brentan Silva <i>Univeristy of São Paulo</i>	
WOS27-04	Supersonic gas jet shift with respect to the radio-frequency quadrupole axis for increasing efficiency of environmental chemical analysis by mass spectrometry <u>Valerii Raznikov</u> , Vladislav Zelenov, Elena Aparina, Ilia Sulimenkov, Alexey Chudinov <i>Russian Academy of Sciences</i>	
WOS27-5	Comparison of the qTOF and orbitrap configurations for the global metabolomic profiling on the example of the <i>Pseudomonas aeruginosa</i> endometabolome. <u>Victor Nesatyy</u> ¹ , Peter Benke ² , Sanjay Swarup ² ¹ National University of Singapore, ² NUS	

15h00
17h00**WOS28 - Biomolecular Conformation in the Gas-Phase and in Solution**

Chairs: Lars Konermann, Julia Chamot-Rooke

Room 3
Level 0**WOS28-01 Keynote: Protein structure and folding in the gas phase**Kathrin Breuker
University of Innsbruck**WOS28-02 Discovering a new subunit for an old complex by native mass spectrometry**Sharon Michal, Shelly Rozen, Gili Ben-Nissan, Maria Fuzesi-Levi
Weizmann Institute of Science**WOS28-03 Stability of the B2B3-beta crystallin heterodimer to increased oxidation by radical probe and ion mobility mass spectrometry**Kevin Downard¹, Satoko Akashi², Simin Maleknia³, Kazumi Saikusa²
¹University of Sydney, ²Yokohama City University, ³University of New South Wales**WOS28-04 Investigating the effects of ligands on nucleic acid structure and dynamics by IMS-based approaches**Dan Fabris
The RNA Institute, University at Albany**WOS28-05 Conformational dynamics of cellobiose dehydrogenase probed by structural mass spectrometry**Alan Kadek¹, Roland Ludwig², Petr Halada¹, Petr Man¹
¹Institute of Microbiology ASCR, Prague, ²University of Natural Resources and Applied Life Sciences, Vienna15h00
17h00**WOS29 - Ambient Ionization and Miniaturization**

Chairs: Zheng Ouyang, Renato Zenobi

Room 4
Level 0**WOS29-01 Keynote: Ambient MS in motion: 3D robotic sampling, dynamic ionization, and microplasma**Facundo Fernandez¹, Rachel Bennett¹, Ezequiel Morzan², Jacob Huckaby¹, Maria Eugenia Monge³, Rosana Alberici⁴, Prabha Dwivedi¹, Joel Keelor¹, Martin Paine¹, Joshua Symonds¹, Thomas Orlando¹, Henrick Christensen¹
¹Georgia Institute of Technology, ²Universidad de Buenos Aires, ³CIBION-CONICET, ⁴Thomson Mass Spectrometry Laboratory, UNICAMP**WOS29-02 Single-Particle Aerosol Mass Spectrometry (SPAMS) for real-time, rapid detection and identification of threat aerosols in the environment**Matthias Frank
Changchun Institute of Applied Chemistry**WOS29-03 Halo-shaped flowing atmospheric pressure afterglow for ambient desorption/ionization mass spectrometry**Kevin Pfeuffer¹, J. Niklas Schaper², Steven J. Ray¹, Gary M. Hieftje¹
¹Indiana University, ²BMW Group, Technical Laboratory, Chemical Analysis**WOS29-04 Progress on pocket mass spectrometer development**Mo Yang, Seung Yong Kim, Hyun Sik Kim
Korea Basic Science Institute**WOS29-05 Miniaturised laser-based mass spectrometer for *in situ* investigation of planetary bodies**Peter Wurz, Andreas Riedo, Maïke Neuland, Marek Tulej
University of Bern15h00
17h00**WOS30 - Geology, Astrophysics and Space Exploration**

Chairs: Roland Thissen, Detlef Günther

Room 5
Level 3**WOS30-01 Keynote: High precision mass spectrometry in a cometary coma: first results from the Churyumov Gerasimenko comet nucleus exploration**Kathrin Altwegg¹, Urs Mall², Björn Fiethe³, Johan deKeyser⁴, Jean-Jacques Berthelier⁵, Henri Rème⁶, Steve Fuselier⁷, Tamas Gombosi⁸, Peter Wurz¹, Martin Rubin¹
¹University of Bern, ²MPS, ³TUB, ⁴BIRA, ⁵LATMOS, ⁶IRAP, ⁷SwRI, ⁸University of Michigan**WOS30-02 Formation of negative ions from "water group" positive ions at high collision energies: implications for the ionosphere of Titan.**Miroslav Polasek¹, Jan Zabka¹, Christian Alcaraz², Veronique Vuitton³
¹J. Heyrovský Institute of Physical Chemistry of the ASCR, Praha, ²Université Paris Sud, ³CNRS, Université J. Fourier Grenoble**WOS30-03 *In situ* exploration of solar system bodies: the potentiality of an orbitrap based mass analyser**Christelle Briois¹, Laurent Thirkell¹, Roland Thissen², Alexander Makarov³
¹LPC2E, ²IPAG, ³Thermo Fisher Scientific (Bremen) GmbH**WOS30-04 The study of leak detection for spacecraft with quadrupole mass spectrometer**Rongxin Yan
Beijing Institute of Spacecraft Environment Engineering

WOS30-05 The exploration of space atmosphere composition by a miniature magnetic sector spectrometer
Meiru Guo, Detian Li, Wenjin Guo, Yuhua Xiao
Science and Technology on Vacuum & Cryogenics Technology and Physics Laboratory, Lanzhou Institute of Physics

17h15 19h00	WS05 – Workshop: Careers in MS <i>Tony Bristow</i>	Room 5 Level 3
17h15 19h00	WS06 – Workshop: Towards Open Access Mass Spectral Libraries <i>Stephen Stein and Enrico Davoli</i>	Room 6 Level 3

Thursday, August 28th

08h00 08h45	PL05: Plenary Lecture - SIMS Imaging <i>Dae Won Moon - Chair: Olivier Laprévote</i>	Room 1 Level 1
09h00 11h00	ThOS31 - Biomarkers and Diagnostics <i>Chairs: Silvia Catinella, Gérard Hopfgartner</i>	Room 1 Level 1
ThOS31-01	Keynote: Mass spectrometric profiling strategies for population phenotyping Matthew R. Lewis ¹ , Jake Pearce ¹ , Anthony Dona ¹ , Robert Plumb ² , Ian Wilson ¹ , Rachel Shaw ¹ , Robert Glen ¹ , Zoltan Takats ¹ , Elaine Holmes ¹ , Jeremy Nicholson ¹ ¹ Imperial College London, ² Waters Corporation	
ThOS31-02	Automated dried blood spot instrumentation coupled to HPLC-QqQ mass spectrometry – A vitamin D and E case study Götz Schlotterbeck, Timm Hettich, Stefan Gaugler, Irene Wegner FHNW	
ThOS31-03	Biomarker MS assays for small cell lung cancer: exploring molecular imprinted polymer potential in clinical proteomics. Cecilia Rossetti ¹ , Abed Abdel Qader ² , Trine Grønhaug Halvorsen ¹ , Börje Sellergren ³ , Léon Reubsaet ¹ ¹ University of Oslo, ² Technical University of Dortmund, ³ University of Malmö	
ThOS31-04	Ovarian cancer: hunting biomarkers by mass spectrometry Imaging and tissue proteomic Michel Salzet ¹ , Fatou Benoit ¹ , Eric Leblanc ² , Isabelle Farré ² , Denis Vinatier ³ , Maxence Wisztorski ¹ , Isabelle Fournier ¹ ¹ Université Lille 1, ² Centre Oscar Lambret/Université Lille 1, ³ CHRU/Université Lille 1	
ThOS31-05	Discrimination of metastasis from breast and pancreatic cancer by MALDI imaging Soeren Deininger ¹ , Rita Casadonte ² , Mark Kriegsmann ³ , Jörg Kriegsmann ⁴ , Kathrin Friedrich ⁵ , Gustavo Baretton ⁵ , Mike Otto ² ¹ Bruker Daltonics GmbH, ² Proteopath, ³ University Heidelberg, Department of Pathology, ⁴ CHCM, Trier, Germany, ⁵ University Dresden, Department of Pathology	
09h00 11h00	ThOS32 - Ion Mobility MS <i>Chairs: Dave Clemmer, Günter Allmaier</i>	Room 2 Level 0
ThOS32-01	Keynote: An (ion mobility) mass spectrometry based framework to understand protein structure Perdita Barran ¹ , Rebecca Beveridge ¹ , Cait MacPhee ² , Kamila Parcholarz ² , Sophie Harvey ² ¹ University of Manchester, ² University of Edinburgh	
ThOS32-02	Structural and energetics studies of iron porphyrine complexes by ion mobility mass spectrometry and collision induced dissociation Ameneh Gholami ¹ , Ameneh Gholami ² , Patrick Weis ³ , Oliver Hampe ³ , Paul. M Mayer ² ¹ University of Ottawa, ² Chemistry Department, University of Ottawa, ³ Institut für Physikalische Chemie, Karlsruhe Institute of Technology (KIT), 76128 Karlsruhe, Germany	
ThOS32-03	Choosing the right buffer gas in ion mobility spectrometry: the effect of ion-neutral interactions Thomas Wyttenbach ¹ , Christian Bleiholder ² , Nicholas Johnson ¹ , Michael Bowers ¹ ¹ UCSB, ² FSU	
ThOS32-04	FAIMS-HRMS as a novel tool for in-depth analysis of crude oil Alessandro Vetere, Wolfgang Schrader Max-Planck-Institut für Kohlenforschung	
ThOS32-05	Ion mobility separation of star- and linear-shaped poly- and oligothiophenes – limits and possibilities to determine 3D structures Martina Marchetti-Deschmann ¹ , Max Kosok ² , Daniel Lumpi ³ , Ernst Horkel ³ , Guenter Allmaier ² , Martina Marchetti-Deschmann ² ¹ Vienna University of Technology, ² Vienna University of Technology, Inst. of Chemical Technologies and Analytics, ³ Vienna University of Technology, Inst. of Applied Organic Synthesis	
09h00 11h00	ThOS33 - Data Analysis – General <i>Chairs: Pietro Franceschi, Yury Tsybin</i>	Room 3 Level 0
ThOS33-01	Keynote: Central dogma of proteomics provides identification of protein targets, action mechanisms and cellular death pathways of small molecule drugs Roman Zubarev Karolinska Institutet	
ThOS33-02	New approaches for optimizing the FTMS resolution in proteomics Marc-André Delsuc IGBMC Gie CERBM	
ThOS33-03	Dynamically harmonized FT-ICR cell. Further characterization and new potential applications Evgeny Nikolaev ¹ , Gleb Vladimirov ¹ , Oleg Kharybin ¹ , Igor Popov ² , Matthias Witt ³ , Jochen Friedrich ³ , Roland Jertz ³ , Goekhan Baykut ³ ¹ Russian Academy of Sciences, ² Moscow Institute of Physics and Technology, ³ Bruker Daltonics GmbH	

ThOS33-04	Evaluation of spectral accuracy in triple quadrupole instruments <u>Jose Ignacio Garcia Alonso</u> , Melanie Borda, Ana Gonzalez Antuña, Mario Fernandez Fernandez, Lourdes Somoano Blanco, Pablo Rodriguez Gonzalez <i>University of Oviedo</i>	
ThOS33-05	Predicting concentrations of small molecules without standard substances in LC/ESI/MS via ionization efficiency scales <u>Anneli Kruve</u> , Jaanus Liigand, Piia Burk, Karl Kaupmees, Riin Rebane, Koit Herodes, Merit Oss <i>University of Tartu</i>	
09h00 11h00	ThOS34 - JMS Award Symposium <i>Chair: Michael Linscheid</i>	Room 4 Level 0
ThOS34-01	A novel, ultrasensitive approach for quantitative carbohydrate composition and linkage analysis using LC-ESI ion trap tandem mass spectrometry <u>Kathirvel Alagesan</u> ¹ , Daniel Varón Silva ¹ , Peter Seeberger ^{1,2} , Daniel Kolarich ¹ ¹ Max Planck Institute of Colloids and Interfaces, ² Freie Universität Berlin	
ThOS34-02	Method of duty cycle enhancement for orthogonal accelerator TOF MS with axial symmetric mass analyser, connected with drift tube IMS <u>Denis Chernyshev</u> , Alexey Sysoev, Sergey Poteshin <i>National Research Nuclear University MEPhI, Linantek Ltd</i>	
ThOS34-03	Membrane inlet mass spectrometry for in-field security applications <u>Stamatis Giannoukos</u> ¹ , Boris Brki ¹ , Neil France ² , Stephen Taylor ¹ ¹ University of Liverpool, ² Q Technologies Ltd	
ThOS34-04	Nucleation and chemical reactivity of mixed aerosol particles: new approach based on mass spectrometric detection <u>Jozef Lengyel</u> <i>Academy of Science of the Czech Republic</i>	
ThOS34-05	Synthesis and reactions of atomically precise clusters <u>Michael Wlekinski</u> ¹ , Anyin Li ¹ , Zane Baird ¹ , Depanjan Sarkar ² , Qingjie Luo ³ , Soumabha Bag ¹ , T. Pradeep ² , R. Graham Cooks ¹ ¹ Purdue University, ² Indian Institute of Technology Madras, ³ University of Pennsylvania	
09h00 11h00	ThOS35 - Elemental and Isotopic MS, ICP-MS General, Cultural Heritage and Archaeology <i>Chairs: Ryszard Lobinski, Detlef Günther</i>	Room 5 Level 3
ThOS35-01	Keynote: Interested in the determination of molecules with a heteroatom in a complex matrix – why not use ICP-MS for speciation and bioimaging? <u>Jörg Feldmann</u> , Johannes F Kopp, Andrea Raab, Eva M Krupp, Dagmar S Urgast <i>University of Aberdeen</i>	
ThOS35-02	Novel coupling of separations with laser desorption elemental and molecular mass spectrometry <u>Jan Preisler</u> , Iva Tomalová, Antonín Bednařík, Pavla Foltynová, Viktor Kanický, Tomáš Vaculovič <i>Masaryk University</i>	
ThOS35-03	Investigation of the pharmacological behavior of novel platinum(IV)-based anticancer agents by means of ICP-MS and LA-ICP-MS <u>Sarah Theiner</u> ¹ , Hristo P. Varbanov ¹ , Petra Heffeter ² , Walter Berger ² , Alexander E. Egger ³ , Markus Galanski ¹ , Bernhard K. Keppler ¹ ¹ University of Vienna, ² Medical University of Vienna, ³ ADSI-Austrian Drug Screening Institute GmbH, Innsbruck	
ThOS35-04	Precise quantification and isotope ratio measurement of boron in U₃Si₂-Al nuclear fuel by ICP-TOF-MS <u>Abhijit Saha</u> , V. G. Mishra, Dipti Shah, S. B. Deb, M. K. Saxena, B. S. Tomar <i>Radioanalytical Chemistry Division, Bhabha Atomic Research Centre</i>	
ThOS35-05	Isotope ratio mass spectrometry for the study of catalytic reactions of transformation hydrocarbons <u>Olesya Krol</u> , Vladimir Doronin, Alexandr Belyi, Vladimir Drozdov <i>IHP SB RAS</i>	
11h00 13h00	Poster Sessions <i>Odd Numbered Abstracts</i>	Poster Exhibition Hall Level -1
13h00 15h00	Poster Sessions <i>Even Numbered Abstracts</i>	Poster Exhibition Hall Level -1
ThPS32	Ion Mobility MS	
ThPS33	Data Analysis – General	
ThPS35	Elemental and isotopics, MS, ICP-MS General, Cultural Heritage and Archeology	
ThPS36	Advanced MS in Food and Nutrition	
ThPS37	Hyphenated Techniques – Applications	
ThPS38	Non-Covalent Interactions	
ThPS39	Informatic tools for MS	

15h00
17h00**ThOS36 - Advanced MS in Food and Nutrition**

Chairs: Michel Nielsen, Laurent Fay

Room 1
Level 1

- ThOS36-01 Keynote: Advanced MS-methods to study toxic secondary metabolites in food crops**
Rudolf Krska, Bernhard Kluger, Christoph Büschl, Michael Sulyok, Franz Berthiller, Gerhard Adam, Marc Lemmens, Rainer Schuhmacher
Universität für Bodenkultur Wien
- ThOS36-02 Improved precision of measured isotope ratio through peak parking and scan-based statistics in IDMS of small organic molecules**
Andreas Breidbach
EC-JRC-IRMM
- ThOS36-03 GC-APCI-MS/MS to enhance sensitivity for residues and contaminants analysis in food and biological fluids**
Emmanuelle Bichon, Ingrid Guiffard, Marc Bourgeois, Ronan Cariou, Philippe Marchand, Anaïs Vénisseau, Fabrice Monteau, Bruno Le Bizec
LABERCA-Oniris
- ThOS36-04 The power of ion mobility-mass spectrometry for increased selectivity in food analysis: "a new beginning for collision cross section"**
Séverine Goscinny¹, Michael McCullagh², Dave Douce², Vincent Hanot¹, Gauthier Eppe³, Edwin De Pauw³, John Chipperfield²
¹Scientific Institute of Public Health, ²Waters Corporation, ³University of Liège-Mass Spectrometry Laboratory
- ThOS36-05 Non-target and unknown screening of food samples using accurate mass LC-MS/MS screening techniques**
Ashley Sage, Jianru Stahl-Zeng, Harald Moeller, Detlev Schleuder, Jean-Pierre Lebreton
AB SCIEX

15h00
17h00**ThOS37 - Hyphenated Techniques – Applications**

Chairs: Gérard Hopfgartner, Marc Suter

Room 2
Level 0

- ThOS37-01 Keynote: Digital microfluidic sample processing for separations and mass spectrometry**
Aaron Wheeler
University of Toronto
- ThOS37-02 Online SPE-nano-LC-HRMS for analysis of polar organic micropollutants in environmental samples: method development, validation and applications**
Michael Andrej Stravs¹, Jonas Mechelke¹, Heinz Singer¹, P. Lee Ferguson², Juliane Hollender¹
¹Eawag, Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, Switzerland, ²Duke University, Durham, USA
- ThOS37-03 Characterization of bioactive peptides from snake venoms by LC-MS coupled to bioactivity assessment via at-line nanofractionation**
Marija Mladi¹, Janaki Iyer², Martine Smit¹, Wilfried Niessen¹, Govert Somsen¹, Manjunatha Kini², Jeroen Kool¹
¹Free University of Amsterdam, ²National University of Singapore
- ThOS37-04 Analysis of oligosaccharides in complex samples using MS-based techniques**
Leon Coulier, Wibo van Scheppingen, Jort Gerritsma, Rob van der Hoeven
DSM Biotechnology Center
- ThOS37-05 Monoclonal antibodies complete primary structure and biosimilarity assessment in a single analysis by sheathless capillary electrophoresis-mass spectrometry**
Rabah Gahoual¹, Jean-Marc Busnel², Johana Chicher³, Lauriane Kuhn³, Phillipe Hammann³, Alain Beck⁴, Yannis Nicolas François¹, Emmanuelle Leize-Wagner¹
¹CNRS – UMR7140, University of Strasbourg, ²Beckman Coulter Inc., ³University of Strasbourg, ⁴Centre d'immunologie Pierre Fabre

15h00
17h00**ThOS38 - Non-Covalent Interactions**

Chairs: Albert Heck, Leopoldo Ceraulo

Room 3
Level 0

- ThOS38-01 Keynote: Combining advanced native MS techniques for the characterization of non-covalent complexes**
Sarah Cianferani
CNRS - IPHC - LSMBO
- ThOS38-02 Opposing charges in ESI-MS of non-covalent complexes explain many observations**
Rachel Loo, Joseph Loo
UCLA David Geffen School of Medicine
- ThOS38-03 Automated non-covalent mass spectrometry in drug discovery: improved screening of protein-ligand interactions**
Rebecca Burnley¹, Hannah Maple¹, Olaf Scheibner², Maciej Bromirski², Mark Baumert³, Mark Allen³, Ricahrd Taylor¹, Rachel Garlish¹
¹UCB Celltech, ²Thermo Fisher Scientific, ³Advion Ltd

ThOS38-04	Novel application of ion mobility and high resolution mass spectrometry to characterise ligand binding to a DNA aptamer <u>Chris Nortcliffe</u> ¹ , David Clarke ² , Pat Langridge-Smith ² , Perdita Barran ¹ ¹ University of Manchester, ² University of Edinburgh	
ThOS38-05	UV-MALDI-MS analysis of non-covalent complexes with a 6-aza-2-thiothymine-matrix: effect of wavelength and fluence on the detection of the complexes Andreas Schnapp, Marcel Wiegmann, Jens Soltwisch, Klaus Dreisewerd Institute for Hygiene, Biomedical Mass Spectrometry, University of Münster	
15h00 17h00	ThOS39 - Informatic Tools for MS Chairs: Thomas Hankemeier, Ruedi Aebersold	Room 4 Level 0
ThOS39-01	Keynote: Highly sensitive feature detection for LC-MS-based metabolomics <u>Oliver Kohlbacher</u> University of Tübingen	
ThOS39-02	Illuminating the 'dark matter' of mass spectrometry <u>Steve Stein</u> ¹ , Gary Mallard ¹ , Xinjian Yan ¹ , John Halket ² ¹ NIST, ² King's College	
ThOS39-03	enviMass 2.0 – A workflow for fast spill and trend detection of micropollutants in aquatic systems using LC-HRMS data Martin Loos, Matthias Ruff, Juliane Hollender, Heinz Singer Eawag, Swiss Federal Institute of Aquatic Science and Technology	
ThOS39-04	MassTrees to study the evolution of the influenza virus and detect antiviral resistant strains Kevin Downard, <u>Kavya Swaminathan</u> University of Sydney	
ThOS39-05	Spectviewer, a software for mass spectrometry imaging <u>Jean-Pierre Both</u> ¹ , Maxence Wisztorski ² ¹ CEA, ² Université Lille 1	
15h00 17h00	ThOS40 - 2D and 3D Analysis and Imaging of Inorganic, Organic, and Biological Materials Chairs: John Vickerman, Detlef Günther	Room 5 Level 3
ThOS40-01	Keynote: 2D and 3D imaging of inorganic, organic, and biological samples <u>John Fletcher</u> Department of Chemistry and Molecular Biology, University of Gothenburg, Sweden	
ThOS40-02	Cellular scale imaging of cancer drugs using a stigmatic MALDI imaging mass spectrometer Hiroki Kannen ¹ , Hisanao Hazama ² , Jun Aoki ² , Michisato Toyoda ² , Tatsuya Fujino ³ , Yasufumi Kaneda ² , Kunio Awazu ² ¹ Osaka university, ² Osaka University, ³ Tokyo Metropolitan University	
ThOS40-03	High resolution MALDI imaging of tryptic peptides in fresh frozen and FFPE tissue <u>Katharina Huber</u> ¹ , Pegah Khomehgar ² , Bernhard Spengler ² , Andreas Römpf ² ¹ Justus Liebig University Giessen, ² Justus Liebig University	
ThOS40-04	Highly multiplexed imaging of tumor tissues with subcellular resolution by mass cytometry <u>Bernd Bodenmiller</u> ¹ , Charlotte Giesen ¹ , Hao Wang ² , Denis Schapiro ¹ , Andrea Jacobs ¹ , Bodo Hattendorf ² , Peter Schueffler ² , Daniel Grolimund ³ , Joachim Buhmann ² , Simone Brandt ⁴ , Zsuzsanna Varga ⁴ , Peter Wild ⁴ , Detlef Günther ² ¹ University of Zurich, ² ETH Zurich, ³ PSI, ⁴ University Hospital Zurich	
ThOS40-05	Inspecting the anticancer drugs cisplatin and NKP1339 in tissue sections by LA-ICP-MSI <u>Alexander Egger</u> ¹ , Christoph Kornauth ² , Sarah Theiner ³ , Petra Heffeter ² , Günther Bayer ² , Werner Haslik ² , Bernhard Keppler ³ , Robert Mader ² , Christian Hartinger ⁴ ¹ Austrian Drug Screening Institute GmbH, Innsbruck, ² Medical University of Vienna, ³ University of Vienna, ⁴ University of Auckland	
19h30	SE03 - Conference Dinner	Bâtiment des Forces Motrices (www.bfm.ch)

Friday, August 29th

08h00 **PL06: Plenary Lecture - Ion Mobility - Spectroscopy** **Room 1**
08h45 *Philippe Dugourd - Chair: Günter Allmaier* **Level 1**

09h00 **FOS41 - Gas-Phase Ion Fragmentation Mechanisms** **Room 1**
11h00 *Chairs: Gianluca Giorgi, Leopoldo Ceraulo* **Level 1**

FOS41-01 **Keynote: Surface-induced dissociation: characterization of an activation method for large complexes**
 Vicki Wysocki, Royston Quintyn, Yang Song, Jing Yan, Lindsay Morrison
 Ohio State University

FOS41-02 **CO₂ incorporation in hydroxide and hydroperoxide containing water clusters - unifying mechanism for hydrolysis and protolysis**
 Einar Uggerud, Mauritz Ryding
 Department of Chemistry, University of Oslo

FOS41-03 **Post-collision internal energy distributions and PAH ion fragmentation**
 Paul Mayer, Brandi West, Alicia Sit, Sabrai Mohammad
 University of Ottawa

FOS41-04 **Peptide fragmentation: energetics, structures, and mechanisms**
 Peter Armentrout
 Department of Chemistry, University of Utah

FOS41-05 **Distinction of alpha and beta forms of substituted glucose by tandem mass spectrometry and ion mobility spectrometry**
 Laurence Charles¹, Guillaume Moreira¹, Aura Tintaru¹, Paola Posocco², Maurizio Fermeleglia², Catherine Lefay¹, Didier Gigmes¹, Sabrina Pricl²
¹Aix-Marseille University, ²University of Trieste

09h00 **FOS42 - Forensics and Doping** **Room 2**
11h00 *Chairs: Laurent Bigler, Olivier Laprévote* **Level 0**

FOS42-01 **Keynote: Mass spectrometry in forensic hair testing: example of drug-facilitated crimes**
 Thomas Kraemer
 University of Zurich

FOS42-02 **Screening for anabolic steroids in sports: new strategy based on the direct analysis of phase I and phase II metabolites by LC-MS/MS**
 Georgina Balcells¹, Argitxu Esquivel², Oscar J Pozo², Jordi Segura², Rosa Ventura²
¹Bioanalysis Research Group, IMIM-Hospital del Mar, ²Bioanalysis Research Group, Antidoping Control Laboratory

FOS42-03 **New technologies to help facing new challenge for growth promoters' detection**
 Laure Beucher, Gaud Dervilly-Pinel, Berengere Marais, Stephanie Prevost, Fabrice Monteau, Bruno Le Bizec
 LABERCA ONIRIS

FOS42-04 **Analysis of sexual assault evidence by ambient mass spectrometry: a statistical comparison between DESI-MS and EASI-MS**
 Mario Francesco Mirabelli¹, Demian R. Ifa², Giovanni Sindona³, Antonio Tagarelli³
¹ETH Zurich, ²York University (Toronto, ON, Canada), ³Università della Calabria

FOS42-05 **Unambiguous differentiation of explosives-related isomers using electrospray high-resolution mass spectrometry**
 Adrian Schwarzenberg¹, Héloïse Dossmann¹, Richard B. Cole¹, Xavier Machuron-Mandard², Jean-Claude Tabet¹
¹Université Pierre et Marie Curie, ²CEA, DAM, DIF

09h00 **FOS43 - Environmental Analysis** **Room 3**
11h00 *Chairs: Marja Lamorée, Marc Suter* **Level 0**

FOS43-01 **Keynote: Wastewater-based epidemiology: the analysis of human biomarkers in sewage**
 Kevin Thomas, Yeonsuk Ryu, Jose Antonio Baz Lomba, Christopher Harman, Katherine Langford, Malcolm Reid
 NIVA

FOS43-02 **Suspect and non-target screening of lake sediments: approaches to identify records of organic contaminants in complex matrix**
 Juliane Hollender, Aurea C. Chiaia-Hernandez, Emma L. Schymanski, Heinz P. Singer
 Eawag, Swiss Federal Institute of Aquatic Science and Technology

FOS43-03 **Influence of extraction pH upon the FT-ICR MS profiles of water samples from the Athabasca oil sands region**
 Mark Barrow¹, Kerry Peru², Dena McMartin³, John Headley²
¹University of Warwick, ²Environment Canada, ³University of Regina

FOS43-04	Tracing genotoxic disinfection by-products after medium pressure UV water treatment using nitrogen labeling and mass spectrometry Annemieke Kolkman ¹ , <u>Dennis Vughs</u> ¹ , Kirsten Baken ¹ , Bram Martijn ² ¹ KWR Watercycle Research Institute, ² PWN Technologies	
FOS43-05	High resolution mass spectrometry based metabolomics: a new tool to detect and characterize emerging pollutants in water and food matrices. Jerome Cotton ¹ , Fanny Leroux ² , Simon Broudin ² , Bruno Corman ² , Jean-Claude Tabet ³ , Céline Ducruix ² , Christophe Junot ⁴ ¹ CEA/Profilomic, ² Profilomic, ³ UPMC, ⁴ CEA	
09h00 11h00	FOS44 - Very Large Biomolecules and Structural Biology <i>Chairs: Michal Sharon, Eric Forest</i>	Room 4 Level 0
FOS44-01	Keynote: Mass spectrometry and very large biomolecules <u>Albert Heck</u> Utrecht University	
FOS44-02	Probing protein structural transitions in complex biological backgrounds and on a large scale <u>Paola Picotti</u> ¹ , Yuehan Feng ¹ , Giorgia De Franceschi ² , Abdullah Kahraman ³ , Martin Soste ¹ , Andre Melnik ¹ , Paul Boersema ¹ , Patrizia Pulverino De Laureto ² ¹ ETH Zurich, ² University of Padua, ³ University of Zurich	
FOS44-03	Radical probe mass spectrometry for high throughput protein footprinting Simin Maleknia ¹ , Keith Fisher ² ¹ University New South Wales, ² School of Chemistry, University of Sydney	
FOS44-04	Rapid and direct MALDI-MS identification of pathogenic bacteria from blood via ionic liquid-modified magnetic nanoparticles <u>Hui-Fen Wu</u> , Mukesh Bhaisare L., Hani Nasser Abdelhamid, Bo-Sgum Wu, Hui-Fen Wu National Sun Yat-Sen University	
FOS44-05	Structural analysis of protein complexes by chemical cross-linking and mass spectrometry <u>Alexander Leitner</u> , Florian Stengel, Thomas Walzthoen, Ruedi Aebersold ETH Zurich	
09h00 11h00	FOS45 - Single Cell MS <i>Chairs: Bernd Bodenmiller, Renato Zenobi</i>	Room 5 Level 3
FOS45-01	Keynote: Single cell pheno-functional proteomics by mass cytometry <u>Scott Tanner</u> , Olga Ornatsky, Vladimir Baranov, Dmitry Bandura Fluidigm Canada Inc.	
FOS45-02	Absolute quantification of proteins and protein modifications on the single-cell level <u>Serena Di Palma</u> ¹ , Paul Boersema ² , Paola Picotti ² , Bernd Bodenmiller ¹ ¹ University of Zurich, ² ETHZ	
FOS45-03	Profiling of algal populations with single-cell MALDI-FT-ICR mass spectrometry Jasmin Krümer ¹ , Jens Sobek ² , Robert Steinhoff ¹ , Stephan Fagerer ¹ , Martin Pabst ¹ , Renato Zenobi ¹ ¹ Department of Chemistry and Applied Biosciences, ETH Zurich, ² Functional Genomics Center Zurich, ETH und University of Zurich	
FOS45-04	Near-field laser ablation sample capture for mass spectrometry imaging <u>Kermit K. Murray</u> , Suman Ghorai, Chinthaka A. Seneviratne, Fabrizio Donnarumma Louisiana State University	
FOS45-05	Detection of microbial resistance markers in clinical samples using MALDI mass spectrometry <u>Omar Belgacem</u> ¹ , Philippa Hart ² , Emmanuel Wey ³ , Indran Balakrishnan ³ ¹ SHIMADZU, ² Shimadzu, Kratos, ³ Royal Free Hospital NHS Foundation Trust, London	
11h15 11h30	Presentation of IMSC 2016 / Toronto	Room 1 Level 1
11h30 12h15	PL07: Plenary Lecture - Extrasolar-Planets: The Quest for Earth's Twins <i>Michel Mayor - Chair: Gérard Hopfgartner</i>	Room 1 Level 1
12h15 13h00	SE04 – Farewel Cocktail	Exhibition Area Level 1

19. POSTERS

Monday

Monday, August 25th

PS00-01 / Francis William Aston: Postcards from Switzerland

Kevin Downard

University of Sydney

MPS01 - Fourier-Transform MS

11:00-15:00

Poster Exhibition, Level -1

MPS01-01 / Hydrothermal liquefaction of biomass model compounds: characterization study by FTICR-MS

Annamaria Croce¹, Stefano Chiaberge², Tiziana Fiorani², Ezio Battistel³, Pietro Cesti², Samantha Reale¹, Francesco De Angelis¹

¹Università degli Studi de L'Aquila, ²eni, ³eni versalis

MPS01-02 / Coulomb-Interaction-Induced Effects on FT-ICR Mass Spectral Peak Shape: A Many-Particle Simulation Using GRAPE

Makoto Fujiwara, Naohisa Happo, Koichi Tanaka

Hiroshima City University

MPS01-03 / Ion trap with a superposition of linear high frequency and homogeneous static electric fields

E. V. Mamontov, E. Y. Grachev, V. S. Gurov, V. N. Dvyinin, V. V. Zhuravlev, A. A. Dyagilev

RGRTU

MPS01-04 / Creation and Injection Device for a 3D RF Ion Trap operated in Fourier Transform Mode applied to Fission Gas Release Analysis

Elodie Guigues¹, Aurika Janulyte¹, Yves Zerega¹, Jacques Andre¹, Yves Pontillon²

¹Aix-Marseille Université, ²CEA Cadarache, DEN, DEC, SA3C, LAMIR

MPS01-05 / FT-ICR MS for measurement of initial velocities of ions formed in MALDI process

Iva Tomalová¹, Vladimir Frankevich², Renato Zenobi²

¹Masarykova univerzita, ²Department of Chemistry and Applied Bioscience, ETH Zurich, Zurich, Switzerland

MPS01-06 / Characterization of Fractionated Pinewood Slow Pyrolysis Oils by Ultrahigh-Resolution FT-ICR Mass Spectrometry

Timo Kekäläinen, Laura Hiltunen, Teemu Vilppo, Lauri Sikanen, Janne Jänis

University of Eastern Finland

MPS01-07 / Rapid and selective analysis of sulfur-containing species in crude oils by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry

Xuxiao Wang, Wolfgang Schrader

Max-Planck-Institut für Kohlenforschung

MPS01-08 / Petroleum and Its Fractions: Exploring the Saturated and Aromatic Hydrocarbon Composition by APCI(+)-FT-ICR-MS

Vanessa G. Santos¹, Boniek G. Vaz², Jose L. P. Jara¹, Marcos A.

Pudenzi¹, Heliara L. Nascimento¹, Eduardo M. Schmidt¹, Jandyson M.

Santos¹, Pedro H. Vendramini¹, Marcos N. Eberlin¹

¹ThoMSon Mass Spectrometry Laboratory, ²Federal University of Goias

MPS01-09 / Laser Ablation for Introducing Internal Calibrant for High Performance Liquid Chromatography/Fourier Transform-Ion Cyclotron Resonance (HPLC/FT-ICR)

Hung Su, Yu-Min Huang, Jentaie Shiea

National Sun-Yat Sen University

MPS01-10 / TreeRobot: A new software for automated acquisition of MSn spectral trees on Orbitrap hybrid mass spectrometers

Robert Mistrik¹, Juraj Lutisan¹, Jakub Mezey¹, Tim Stratton², Lukas Najdekr³, Silvia Vickova⁴, Vladimir Patoprsty⁴

¹HighChem, ²Thermo Fisher Scientific, ³Palacky University, Olomouc,

⁴Slovak Academy of Science

MPS01-11 / Vitreomics by ESI (+) FT-ICR-MS

Júlio César Santos Júnior¹, Carla Giane Loss¹, Pedro Carlos Mollo Filho², Ruggero Bernardo Felice Guidugli², Eduardo Morgado Schmidt⁴, Marcos Albieri Pudenzi³, Marcos Nogueira Eberlin³, Nelci Fenalti Höehr¹

¹Department of Clinical Pathology, School of Medical Sciences, University of Campinas — UNICAMP, Brazil, ²Team of Forensic Medicine West, Medico-Legal Institute, Police Technical Scientific Superintendence — SPTC, Brazil, ³ThoMSon Mass Spectrometry Laboratory, Institute of Chemistry, University of Campinas — UNICAMP, Brazil

MPS01-12 / Comparing LDI-FT-ICR and LDI-TOF/TOF Mass Spectrometry to Characterize Vacuum Residue of Colombian Crude Oils

Enrique Mejía-Ospino¹, Jorge Orrego-Ruiz², Rafael Cabanzo¹

¹Universidad Industrial de Santander, ²Instituto Colombiano de Petróleos

MPS01-13 / Instantaneous frequency theory and applications in FTMS

Oleg Yu. Tsybin¹, Anton N. Kozhinov², Konstantin O. Nagornov², Yuri O. Tsybin²

¹*Saint-Petersburg State Polytechnical University*, ²*Ecole Polytechnique Federale de Lausanne*

MPS01-14 / High-performance FT-ICR MS at unperturbed cyclotron frequency

Konstantin Nagornov, Anton Kozhinov, Konstantin Zhurov, Yuri Tsybin
Ecole polytechnique fédérale de Lausanne

MPS01-15 / Design of a Permanent Magnetic Orbital Trap Mass Analyzer

Chuan-Fan Ding, Chongsheng Xu, Xianzhong Ding, Haiyang Yang
Fudan University

MPS02 - Polymers

11:00-15:00

Poster Exhibition, Level -1

MPS02-01 / Analysis of PFOS in Plastic Products by LC-MS/MS and the Assessment of Uncertainty

Tian Yuping, Cheng Tao
Shanghai Institute of Measurement and Testing Technology

MPS02-02 / One step further in the folding of multiply charged sodium cationized polylactides: ion mobility mass spectrometry and molecular modelling

Julien De Winter¹, Vincent Lemaire¹, Kirsten Craven², Jérôme Cornil¹, Philippe Dubois¹, Philippe Dugourd³, Timothy Jenkins², Pascal Gerbaux¹

¹*University of Mons*, ²*Waters*, ³*University Claude Bernard, Lyon I*

MPS02-03 / Comprehensive Analysis of Extractables from Rubber Stoppers used in Medical Devices and Pharmaceutical Container Closure Systems

Andrew Feilden¹, Kate Comstock², Amalendu Sarkar³

¹*Smithers Rapra*, ²*ThermoFisher Scientific*, ³*Qure Medical*

MPS02-05 / Characterization of thermal degradation products of polymer material by reactive pyrolysis-GC/MS using EI ionization method and PI ionization method

Mami Okamoto¹, Yukio Kitada¹, Masaki Nakagami¹, Hiroaki Sato²

¹*YAZAKI Corporation*, ²*National Institute of Advanced Industrial Science and Technology*

MPS02-06 / Sequencing of Copolymers using Mass Spectrometry

Sarah Crotty¹, Martin S. Engler², Markus J. Barthel³, Christian Pietsch², Katrin Knop², Sebastian Boecker², Ulrich S. Schubert²

¹*Friderich Schiller University FSU*, ²*Friedrich Schiller Universität Jena*, ³*istituto italiano di tecnologia*

MPS02-07 / Evaluation of the thermal degradation of poly (butylene terephthalate) by high-resolution MALDI-TOFMS combined with Kendrick mass defect analysis

Yukio Kitada¹, Mami Okamoto², Masaki Nakagami², Yasuhiro Suzuki², Makiko Miura², Kyoko Masuno², Hiroaki Sato³

¹*YAZAKI corporation*, ²*YAZAKI Corporation*, ³*National Institute of Advanced Industrial Science and Technology*

MPS02-08 / Electrospun Nanofiber Surface Assisted Laser Desorption/ Ionization Mass Spectrometry

Meng-Jiy Wang¹, Chintya Effendi¹, Hsiang-Lin Chiang², Yu-Chie Chen²

¹*National Taiwan University of Science and Technology*, ²*National Chiao Tung University*

MPS02-09 / Production of doubly charged species during solvent-free MALDI of small synthetic polymers

Christophe Chendo, Laurence Charles
Aix-Marseille University

MPS02-10 / ETD as an alternative fragmentation technique to CID for the characterization of polytetrahydrofuran and polycaprolactone

William Buchmann, Véronique Legros, Kevin Prian, Ali Bordjah
University of Evry

MPS02-11 / TOF-SIMS / MALDI-TOF combination for the molecular weight depth profiling of a polymeric bilayer

Thierry Fouquet¹, Grégory Mertz¹, Nicolas Desbenoit², Gilles Frache², David Ruch¹

¹*Public Research Centre Henri Tudor*, ²*Public Research Centre Gabriel Lippmann*

MPS02-12 / Copolymer characterization by combination of MALDI and pyrolysis GC-MS

Christelle Absalon, Claire Mouche, Patricia Castel
ISM - University of Bordeaux

MPS02-13 / Detailed insight into tyramine cross-linking in hyaluronan-based hydrogels

Martina Hermannova, Daniela Smejkalova, Dagmar Cozikova, Jaromir Kulhanek, Vladimir Velebny
Contipro Pharma a.s.

MPS02-14 / Ion mobility spectrometry-mass spectrometry (IMS-MS) analysis of polyamidoamine (PAMAM) dendrimers

Esra Altuntas, Laurence Charles
Aix Marseille University

MPS02-15 / Resolving Ionization processes of polyamides in ESI-MS by ESI-IMS-MS

Jan Jordens¹, Ynze Mengerink¹, Mark Ridgeway², Mel Park², Maarten Honing¹

¹*DSM Resolve*, ²*Bruker*

MPS02-16 / Plasma-Enhanced Chemical Vapour Deposition investigated by Atmospheric-Pressure MALDI High-Resolution Mass Spectrometry using matrix pre-coated substrates

Gilles Frache, Nicolas Desbenoit, Elodie Lecoq, Florian Hilt, Simon Bulou

Centre de Recherche Public - Gabriel Lippmann

MPS02-17 / Application of stable isotope method for the nanocomposites investigation

Andrius Garbaras¹, Lina Mikoliunaite², Anton Popov², Almira Ramanaviciene², Vidmantas Remeikis¹, Arunas Ramanavicius¹

¹Center for Physical Sciences and Technology, ²Faculty of Chemistry, Vilnius University

MPS02-18 / Determination Method of VOCs in Accelerated Aging Polypropylene by Thermal Desorption-Gas Chromatography/Mass Spectrometry

Shuqi Sun, Ying Zhang, Jin Wang, Yang Song, Song Chen

SINOPEC Beijing Research Institute of Chemical Industry

MPS02-19 / Real-time Characterization of Polymers by Using Thermogravimetry Coupled with An Ambient Mass Spectrometry

Jentaie Shiea, Ruei-Hung Hung, Min-Zong Huang

¹National Sun-Yat Sen University

MPS02-20 / Investigation on asphaltene composition in crude oil in Saudi Arabia using mass spectrometry

Abdullah Aldawsari, Zeid Alothman, Ahmed Yacine Badjah

King Saud University

MPS03 - MS Instrumentation

11:00-15:00

Poster Exhibition, Level -1

MPS03-01 / Simultaneous FAIMS detection without scanning compensation voltage

Yuichiro Hashimoto, Masao Suga, Hideki Hasegawa, Hiroyuki Satake

Hitachi, Ltd.

MPS03-02 / The Effective Potential of a Radio Frequency Linear Quadrupole Ion Trap

Donald Douglas¹, Alexander Berdnikov², Nikolai Kononkov³

¹University of British Columbia, ²Institute for Analytical Instrumentation RAS, ³Ryazan State University

MPS03-03 / Mass Selectivity with Dipole Excitation of Ions in a Linear Quadrupole Ion Trap with Round Rods

Donald Douglas¹, Nikolai Kononkov²

¹University of British Columbia, ²Ryazan State University

MPS03-05 / Planar Discrete Electrode Systems for a Creation superposition of DC and RF Electric Fields

E. V. Mamontov, E. Y. Grachev, V.S. Gurov, V.N. Dvyinin, V.V. Zhuravlev, A.A. Dyagilev

RGRTU

MPS03-06 / Separation of Isomers with Proton-Transfer-Reaction Mass Spectrometry: Selective Reagent Ionization and FastGC Inlet

Christian Lindinger¹, Lukas Märk¹, Lukas Fischer¹, Matteo Lanza²,

Kostiantyn Breiev², Alfons Jordan¹, Eugen Hartungen¹, Gernot Hanel¹, Jens Herbig¹, Simone Jürschik¹, Philipp Sulzer¹, Tilmann D. Märk²

¹IONICON Analytik GmbH., ²IONICON Analytik GmbH. / Universität Innsbruck

MPS03-07 / Exploring Impact of Dynamic Accumulation for Improving MS/MS Quality of QqTOF Data

Joerg Dojahn, Dietmar Waidelich, Sibylle Heidelberger, Quentin Enjalbert, Antonio Serna, Francesco Brancia, Christie Hunter

AB Sciex

MPS03-08 / Advanced bioparticle accelerator

Szu-Hsueh Lai, Jung-Lee Lin, Chung-Hsuan Chen

Genomics Research Center, Academia Sinica, Taipei, Taiwan

MPS03-09 / Mechanism of Loss Occurrence of Ions Injected into Ion Guide Electrodes and Quadrupole Mass Spectrometer based on the Simulation of Transmission Efficiencies

Kiyomi Yoshinari¹, Yasushi Terui²

¹Hitachi, Ltd., Hitachi Research Laboratory, ²Hitachi High-Technologies Corporation

MPS03-10 / Improvements in Shotgun Proteomics Using a Benchtop Quadrupole High-Field Orbitrap.

Tabiwan N. Arrey, Eugen Damoc, Kai Scheffler, Markus Kellmann, Thomas Moehring, Kerstin Strupat

Thermo Fisher Scientific

MPS03-11 / Experimental and numerical study of a two-mirror multireflector

Anastassios Giannakopoulos¹, Dmitry Grinfeld¹, Igor Kopaev², Alexander Makarov¹, Michael Monastyrskiy², Michael Skoblin³

¹ThermoFisher Scientific, ²General Physics Institute of Russian Academy of Science, Moscow, Russia, ³Institute for energy problems of chemical physics, Russian Academy of Science, Moscow, Russia

MPS03-13 / Characterization of a new high resolution ion beam imager to improve ion beam analysis in mass spectrometers

Jim Bupp, Bruce Laprade, Matthew Breuer

Photonis USA

MPS03-14 / multi Resonant Frequency Excitation (mRFE) Ejection Mass Analysis on Quadrupole Ion Trap Systems

Evan Chen¹, Michael Gehm¹, Ryan Danell², Mitch Wells³, Jeffrey Glass¹, David Brady¹

¹Duke University, ²Danell Consulting, ³FLIR Systems

MPS03-15 / Manipulating Alkali Metal Ion Distribution in MALDI with Sample Preparation Protocols as Revealed by Dual-Polarity Time-of-Flight Imaging Mass Spectrometry

Yin-Hung Lai, Hsun Lee, Yi-Sheng Wang

Genomics Research Center, Academia Sinica

MPS03-16 / High-aperture energy and mass spectrometer of ion fluxes

Victor Gurov, Michael Dubkov, Andrey Trubitsyn

Ryazan State Radio Engineering University

MPS03-18 / Experimental setup for the recognition of chiral metal clusters

Kathrin Lange

Technical University Munich

MPS03-19 / Advances in signal dependent detector optimization for coeluting peaks in triple quad MS

Felician Muntean, Barry Nesmith, Zicheng Yang, Ed George, Desmond Kaplan, Yann Hebert

Bruker Daltonics

MPS03-20 / Development of a Quadrupole Ion Trap Mass Spectrometer for Spectroscopic Characterization of ETD/CID Generated Peptide Fragments using FELIX

Jonathan Martens, Josipa Grzetic, Giel Berden, Jos Oomens

FELIX Facility - Radboud University Nijmegen

MPS03-21 / Greater than 10X signal gain in magnetic sector mass spectrometry via aperture coding

Evan Chen¹, Zach Russell¹, Jason Amsden¹, Ryan Danell², Scott Wolter³, Charles Parker¹, Mike Gehm¹, Brian Stoner⁴, Jeffrey Glass¹, David Brady¹

¹Duke University, ²Danell Consulting, ³Elon University, ⁴RTI International

MPS06 - Clinical Applications and Screening

11:00-15:00

Poster Exhibition, Level -1

MPS06-01 / Carnosine and its Complexes with Pt-based Anti-Cancer Drugs: A Mass Spectrometry, Computational Modelling and In Vitro Cell Bioassay Study

Islam Dabbish¹, Claire Camp¹, Ahmed Youssef², Asma Amleh², Helen Reid¹, Barry Sharp¹, Tamer Shoeib²

¹University of Loughborough, ²American University of Cairo

MPS06-02 / Acoustic trapping for bacteria typing in blood culture with MALDI-MS

Simon Ekström¹, Björn Hammarström¹, Bo Nilsson², Johan Nilsson¹, Thomas Laurell¹

¹Department of Biomedical Engineering, Lund University, ²Clinical Microbiology, Labmedicin Skåne, Sweden

MPS06-03 / The Role of Plasminogen Activation System in Periodontal Tissue Destruction: Differential Proteomic and bioinformatic analysis in Two Experimental Periodontitis

Ren-Yeong Huang¹, Chao-Jung Chen², Jen-Kun Chen³, Yi-Shing Shieh¹

¹School of Dentistry, Tri-Service General Hospital, National Defense Medical Center, ²Graduate Institute of Integrated Medicine, China Medical University, ³Institute of Biomedical Engineering and Nanomedicine

MPS06-04 / Pharmacokinetic-Pharmacodynamic Study of Subcutaneous Injection of Nandrolone Decanoate Using Dried Blood Spots (DBS) Blood Sampling coupled with LC-MS/MS

Gurmeet Kaur Surindar Singh¹, Leo Turner², Reena Desai³, Mark Jimenez³, David J Handelsman³

¹ANZAC Research Institute, University of Sydney and Faculty of Pharmacy, Universiti Teknologi MARA (UiTM), ²Andrology Department, University of Sydney, ³ANZAC Research Institute, University of Sydney

MPS06-05 / Selective detection and quantitation of complementarity-determining regions of monoclonal antibodies for the development of therapeutic drug monitoring by MS

Takashi Shimada¹, Noriko Iwamoto¹, Akinobu Hamada²

¹SHIMADZU Corporation, ²National Cancer Center Research Institute

MPS06-06 / Characterization of Bacterial Fatty Acids by MALDI spiral-TOFMS Combined with Kendrick Mass Defect Plot Analysis

Kanae Teramoto¹, Takafumi Sato¹, Nagatoshi Fujiwara², Tomohiko Tamura³, Moriyuki Hamada³, Ken-ichiro Suzuki³

¹JEOL Ltd., ²Tezukayama University, ³NITE Biological Resource Center

MPS06-07 / Assessment and Identification of Acylated Peptides from Poly(alpha-hydroxyl ester) Microspheres by LC-MS-MS

Mehrnoosh Shirangi, Wim Hennink, Govert Somsen, Cornelius Van Nostrum

Utrecht University

MPS06-08 / Use of on-line mass spectrometry for understanding

dissolution processes of oral dosage formsAndrew Ray¹, Claire Lewis², Anthony Bristow¹, Stephen Wren¹¹AstraZeneca, ²University of Nottingham**MPS06-09 / Comparison of EI and CI based GC-MS analysis of leachables from Dental Polymer-Based Restorative Materials**Vibeke Barman Michelsen¹, Einar Jensen²¹University of Bergen, Faculty of Medicine and Dentistry, ²University of Tromsø, Department of Pharmacy**MPS06-10 / Developing a human cancer diagnostic system: Overview of the system construction**Sen Takeda¹, Hideki Izumi², Kentaro Yoshimura¹, Kenzo Hiraoka¹, Kunio Tanabe³, Hiroshi Tanihata², Hiroki Nakajima², Hirokazu Hori¹¹University of Yamanashi, ²Shimadzu Corporation, ³Waseda University, University of Yamanashi**MPS06-11 / Extractive Analysis and Tissue Profiling using Flowprobe Mass Spectrometry**Mariam Elnaggar¹, Brendan Prideaux², Justin Wiseman¹¹Prosolia, ²Public Health Research Institute, NJMS Rutgers**MPS06-12 / Optimization and application of UHPSFC-MS/MS method for screening of doping agents**Lucie Nováková¹, Marco Rentsch², Alexandre Grand-Guillaume Perrenoud³, Raul Nicoli⁴, Martial Saugy⁴, Jean Luc Veuthey³, Davy Guillarme³¹Univerzita Karlova v Praze, Farmaceutická fakulta v Hradci Kralove,²Waters AG, Switzerland, ³School of Pharmaceutical Sciences, University of Geneva, University of Lausanne, Switzerland, ⁴Swiss Anti-Doping Laboratory, University Centre of Legal Medicine, Geneva and Lausanne, Switzerland**MPS06-13 / Development and validation of LC-MS/MS method for quantification of first line tuberculosis drugs and metabolites in plasma and application in clinical study**

Daryl Kim Hor Hee, Jerold Jialiang Seo, Lawrence Soon-U Lee

National University of Singapore

MPS06-14 / Full Validation of a UPLC-MS/MS Method for Determination of an Anti-Allergic Indolinone Derivative and Application to Brain Drug Permeability StudiesEvelyn Andrea Jähne¹, Daniela Elisabeth Eigenmann¹, Maxime Culot², Romeo Cecchelli², Fruzsina R. Walter³, Maria A. Deli³, Matthias Hamburger¹, Mouhssin Oufir¹¹Pharmaceutical Biology, Department of Pharmaceutical Sciences, University of Basel, Switzerland, ²Université Lille Nord de France,³Institute of Biophysics, Biological Research Centre, Hungarian Academy of Sciences, Hungary**MPS06-15 / Optimization of laboratory MS/MS newborn screening of inherited metabolic diseases**

Josef Bártil, Petr Chrástina, Jakub Hodík, Renata Svačinová, Petr Horník, Renata Pinkasová, Radka Ježová, Jakub Krijt, Pavel Ješina, Karolína Pešková, Viktor Kožich

Institute of Inherited Metabolic Disorders, General University Hospital and 1st Faculty of Medicine, Charles University, Prague, Czech Republic

MPS06-16 / Real time monitoring of the metabolic capacity of ex-vivo rat olfactory mucosa by PTR-MSJean-Luc Le Quéré¹, Rachel Schoumacker², Aline Robert-Hazotte³, Jean-Marie Heydel³, Philippe Faure³¹INRA - SFC, ²INRA-CSGA, ³Université de Bourgogne-CSGA**MPS06-17 / High Performance Liquid Chromatography-Tandem Mass Spectrometry method for quantification of 17-β-Estradiol in mouse plasma and brain**Ecaterina Lozan¹, Svitlana Shinkaruk¹, Catherine Bennetau-Pelissero², Jean-Marie Schmitter³, Corinne Buré³¹Université de Bordeaux, ²Neurocentre Magendie, ³CNRS/CBMN**MPS06-18 / Developing a human cancer diagnostic system: Validation of the system robustness**Tomoomi Hoshi¹, Hiroki Nakajima¹, Takeshi Uchida¹, Hiroshi Tanihata¹, Hideaki Izumi¹, Kentaro Yoshimura², Satoshi Ninomiya³, Kenzo Hiraoka⁴, Kunio Tanabe⁵, Sen Takeda²¹Shimadzu Corporation, ²Department of Anatomy and Cell Biology, Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Japan, ³Interdisciplinary Graduate School of Medicine and Engineering, University of Yamanashi, Japan, ⁴Clean Energy Research Center, University of Yamanashi, Japan, ⁵Faculty of Science and Engineering, Waseda University, Japan**MPS06-19 / Development of a mass spectrometric approach to study disorders of protein O-glycosylation**Kirsty Skeene¹, Ed Bergstrom¹, Daniel Ungar², Jane Thomas-Oates¹¹Department of Chemistry, The University of York, ²Department of Biology, The University of York**MPS06-20 / Minimal labelling and low resolution selected reaction monitoring for accurate IDMS determinations by LC-ESI-MS/MS**

Ana Gonzalez Antuña, Pablo Rodríguez-González, Jose Ignacio García Alonso

University of Oviedo

MPS06-21 / Interaction Analysis using SPRI-MALDI MSUlrike Anders¹, Jonas Schaefer², Chiraz Frydman³, Detlev Suckau⁴, Andreas Plückthun², Renato Zenobi¹¹ETH Zurich, ²University Zurich, ³HORIBA Jobin Yvon S.A.S., ⁴Bruker Daltonics

MPS06-22 / Full validation of UHPLC-MS/MS methods for the determination of kaempferol and 4-HPAA, and application to in vitro BBB and intestinal drug permeability studies

Fahimeh Moradi-Afrapoli¹, Mouhssin Oufir¹, Daniela E. Eigenmann¹, Volha Zabela¹, Fruzsina R. Walter², Maria A. Deli², Veronika Butterweck³, Matthias Hamburger¹

¹Pharmaceutical Biology, Department of Pharmaceutical Sciences, University of Basel, ²Institute of Biophysics, Biological Research Centre, Hungarian Academy of Sciences, ³School of Life Sciences, University of Applied Sciences North Western Switzerland

MPS06-23 / A SISCAPA Immuno-MS Assay for Quantification of Soluble Transferrin Receptor in Human Serum

Arndt Asperger¹, Rainer Paape¹, Oliver Drews¹, Leigh Andersson², Morteza Razavi², Matt Pope², Detlev Suckau¹

¹Bruker Daltonics GmbH, ²Andersson Forschung

MPS06-24 / The novel iEndoscope for the rapid identification of gastrointestinal polyps and tumours in-vivo using rapid evaporative ionization mass spectrometry

Julia Balog, Frank Huang, Nima Abbassi-Ghadi, Laura Muirhead, Dora Perenyi, Sacheen Kumar, Zoltan Takats
Imperial College London

MPS06-25 / New Workflows for Identification and Profiling of Disulfide Bonds in Biopharmaceuticals

Pierre-Olivier Schmit, Anja Resemann, Rainer Paape, Kristina Marx, Ralf Hartmer, Detlev Suckau, Wolfgang Jabs, Andrea Kiehne
Bruker Daltonics GmbH

MPS06-26 / Mimicking Drug Metabolism by EC/MS

Agnieszka Kraj, Hendrik-Jan Brouwer, Nico Reinhoud, Jean-Pierre Chervet
Antec

MPS06-27 / Quantitation of nucleosides and nucleoside triphosphates using LC-MS/MS in bioanalysis

Nerea Ferreirós¹, Dominique Thomas², Nikolas Herold², Oliver T. Keppler², Gerd Geisslinger³

¹Institute of Clinical Pharmacology, Goethe-University, Frankfurt am Main, Germany, ²Institute of Medical Virology, Frankfurt University Hospital, Frankfurt am Main, Germany, ³Institute of Clinical Pharmacology, Goethe-University and Fraunhofer Institute for Molecular Biology and Applied Ecology IME, Project Group TMP, Frankfurt am Main, Germany

MPS06-28 / Determination of Quercetin and its metabolites in rat plasma by ultra high performance liquid chromatography tandem mass spectrometry

Veronika Pilařová¹, Jakub Mišík¹, Iveta Najmanová², Petr Solich¹, Přemysl Mladěnka², Lucie Nováková¹

¹Charles University in Prague, Faculty of Pharmacy in Hradec Králové, Department of Analytical Chemistry, ²Charles University in Prague, Faculty of Pharmacy in Hradec Králové, Department of Pharmacology and Toxicology

MPS06-29 / Structural characterization of in vitro metabolites of the new anticancer agent, EAPB0503, by liquid chromatography-tandem mass spectrometry

Christine Enjalbal¹, Florian Lafaille², Isabelle Solassol², Benjamin Bertrand², Pierre Emmanuel Doulain², Pierre-Antoine Bonnet², Carine Deleuze-Masquéfa², Françoise Bressolle²

¹Institut des Biomolécules Max Mousseron, ²Faculty of Pharmacy

MPS06-30 / Determination of 2H-labeling of water in the interstitial fluid of rat brain using gas chromatography - quadrupole mass spectrometry

Anita Eberl¹, Reingard Raml¹, Denise Kollmann², Thomas Altendorfer-Kroath¹, Thomas Birngruber¹, Frank Sinner¹, Christoph Magnes¹

¹Joanneum Research - HEALTH, ²Medical University of Graz

MPS06-31 / Quantitative Protein Measurement of Circulating Plasma Microparticles by Data-Independent nanoLC-MS2

Manfred Heller, Sophie Braga Lagache, Natasha Buchs
University of Bern

MPS06-32 / Combining miniaturized Zebrafish bioactivity-guided fractionation with UHPLC-Orbitrap-MS and NMR dereplication for the early stage anticonvulsant's discovery

Soura Challal¹, Emerson F. Queiroz¹, Laurence Marcourt¹, Peter A. M. De Witte², Alexander D. Crawford³, Jean-Luc Wolfender¹

¹University of Geneva, ²University of Leuven, ³University of Luxembourg

MPS06-33 / Metabolite monitoring in fed batch cell cultures using MALDI-TOF-MS

Robert Steinhoff, Jasmin Krimser, Thomas Villiger, Miroslav Soos, Martin Pabst, Renato Zenobi
ETH Zurich

MPS06-34 / Fast and simple sample preparation for ultra-fast screening of drugs in urine by LD-TOF-MS

Pierre Picard, Jean Lacoursière, Serge Auger, Annick Fortier Dion
Phytronix Technologies Inc

MPS06-35 / Micro-Arrays for Mass Spectrometry (MAMS): Microarray Targets for Rapid Quantitative MALDI-MS

Martin Pabst¹, Robert Steinhoff¹, Stephan Fagerer¹, Dominik Houstek¹, Jasmin Krimser¹, Konstantinos Jefimovs², Rudolf Köhling³, Jens Boertz³, Fabian Wahl³, Renato Zenobi¹

¹ETH Zurich, ²EMPA Dübendorf, ³Sigma-Aldrich

MPS06-36 / Screening Mycobacterium Tuberculosis Complex with Detonation Nanodiamond

Wen-Ping Peng¹, Ai-Ti Chen¹, Shih-Chieh Yang¹, Po-Chi Soo²

¹National Dong Hwa University, ²Tzu Chi University

MPS06-37 / Evaluation of a Novel 96-well Filter Plate for the Effective Removal of Serum Protein and Phospholipids prior to LC-MS/MS Analysis

Lee Williams, Geoff Davies, Claire Desbrow, Alan Edgington, Rhys Jones, Steve Jordan, Helen Lodder, Steve Plant, Adam Senior, Kerry Stephens
Biotage GB Ltd

MPS06-38 / An analytical method (UHPLC-MS/MS) to determine the pharmacodynamic behaviour of the topically applied antiviral drug acyclovir

Reingard Raml¹, Denise Schimek², Anton Mautner², Katrin Tiffner², Manfred Bodenlenz², Frank Sinner³, Christoph Magnes²

¹Joanneum Research, Institute Health, ²JOANNEUM RESEARCH Forschungsgesellschaft mbH, HEALTH-Institute for Biomedicine and Health Sciences, Graz, Austria, ³Division of Endocrinology and Metabolism, Dept. of Internal Medicine, Medical University of Graz, Graz, Austria

MPS06-39 / On tissue characterization of amyloidosis using MALDI mass spectrometry

Daniel Lafitte¹, Julie Segulier¹, Claude Villard¹, Matthew Openshaw², Kozo Shimazu², Roberto Castangia², Laurie Anne Maysou¹, Laurent Daniel¹, Annie Verschueren¹, Gilbert Habib¹, Omar Belgacem², Jacques Serratrice¹, Daniel Lafitte¹

¹Aix Marseille Université, ²Shimadzu

MPS06-40 / An alternative approach for the analysis in clinical practice: determination of amphetamine and methadone in human urine by direct MEPS-MS/MS analysis

Hana Vičková¹, Lucie Nováková¹, Petr Solich¹, Mohamed Abdel-Rehim²

¹Department of Analytical Chemistry, Faculty of Pharmacy in Hradec Králové, Charles University in Prague, ²Department of Analytical Chemistry, Stockholm University SE10691

MPS06-41 / Strategies for development of high sensitive quantitative analysis

Lieve Dillen
Janssen R&D

MPS06-42 / Biotransformation of tyrosine kinase inhibitor - imatinib by high resolution mass spectrometry

Ivo Vrobel¹, David Friedecký¹, Kateřina Mičová¹, Edgar Faber², Marcel Hrdá¹, Jitka Šíroková¹, Tomáš Adam¹

¹Palacky University Olomouc, ²University Hospital Olomouc

MPS06-43 / Identification of a Novel Metabolite for The HIV treatment Tenofovir Disoproxil with LC-MS/MS

Leanne C. Nye¹, Myra McClure¹, Steve Kaye¹, Nicola Gray¹, Robert S. Plumb², Ian D. Wilson¹, Elaine Holmes¹

¹Imperial College, London, ²Waters, Milford, MA

MPS06-44 / Benefits of High Resolution and Accurate Mass Instrument for therapeutic monitoring of baclofen and its metabolites in plasma and urine.

Benedicte Duretz¹, Laurence Labat², Claudio De Nardi¹, Helene Eysseric³, Xavier Decleves²

¹ThermoFisher, ²Hopital Cochin Paris, ³Hospital Grenoble

MPS06-45 / A Validated High-throughput Assay for the Quantification of Amino Acids in Metabolic Phenotyping Studies

Nicola Gray¹, Leanne Nye¹, Robert Plumb², Ian Wilson¹, Jeremy Nicholson¹

¹Imperial College, London, ²Waters, Milford, MA

MPS06-46 / The Establishment of a General ESI-MS/MS Behavior of a Series of Antineoplastic Curcumin Analogues & The Formation of Unique [M-H]⁺ Ions During Photoionization

Anas El-Aneel¹, Melissa Stoudemayer², Jonathan Amster², Anas El-Aneel¹

¹University of Saskatchewan, ²University of Georgia

MPS06-47 / Two dimensional capillary electrophoresis coupled with tandem mass spectrometry for determination of varenicline in urine matrices

Juraj Piestansky, Katarína Maráková, Peter Mikuš
Faculty of Pharmacy, Comenius University Bratislava

MPS06-48 / Study of UPF peptide-polyphenol conjugation by mass spectrometry

Maria Kuhtinskaja, Ave Saluvee, Maria Kulp, Merike Vaher
Institute of Chemistry, Tallinn University of Technology

MPS06-49 / Abberant Glycosylation in Skin Tissue of Atopic Syndrome Patients

Injung Ji¹, Jua Lee¹, Hyun Joo An¹, Rudolf Grimm², Fook Tim Chew³

¹1.AGRS, Chungnam National University, Daejeon, Korea, ²GRAT, Chungnam National University, Daejeon, Korea, ³Agilent Technologies, Santa Clara, CA, ³Department of Biological Sciences, National University of Singapore, Singapore

MPS06-50 / Characterization of phenolic compounds in *Lycopus europaeus* L. by HPLC-DAD-ESI-QTOF

Lucia Veizerová, Svetlana Dokupilová, Silvia Fialová, Jaroslav Galba, Peter Mikuš

Faculty of Pharmacy, Comenius University

MPS06-51 / Multilevel characterization of therapeutic antibodies by CESI-MS

Jim Thorn¹, Andras Guttman², Bryan Fonslow¹

¹SCIEX SEPARATIONS, ²University of Debrecen

MPS06-52 / Comparison of fragmentation patterns of Q-TOF and Orbitrap accurate mass spectrometers for drug metabolism studies

József Pánczél, Jens Riedel, Niels Griesang, Markus Kohlmann
sanofi R&D, DSAR Frankfurt Operational Center

MPS06-53 / Determination of Bleomycin A2 and B2 in plasma by HPLC-ESI-QTOF method

Jaroslav Galba¹, Lucia Veizerova², Juraj Piešťanský², Michal Mego³, Ladislav Novotný⁴, Svetlana Dokupilova⁵, Katarína Maráková², Emil Havránek², Peter Mikuš²

¹Faculty of Pharmacy, Comenius University Bratislava, ²Faculty of Pharmacy, Department of Pharmaceutical Analysis and Nuclear Pharmacy, ³Translational Research Unit, Comenius University, ⁴Faculty of Pharmacy, Kuwait University

MPS06-54 / Mass spectrometry quantification of HER2 peptides in FFPE breast cancer tissues

Carine Steiner, Jean-Christophe Tille, Jens Lamerz, Thomas McKee, Miro Venturi, Laura Rubbia-Brandt, Denis Hochstrasser, Paul Cutler, Pierre Lescuyer, Axel Ducret

Geneva University Hospitals / F. Hoffmann-La Roche

MPS06-56 / MALDI-TOF MS for Monitoring Drug Resistance in Hepatitis B Virus-Infected Patients during Antiviral Therapy

Magda Rybicka¹, Piotr Stalke², Tomasz Smiatacz², Krzysztof Piotr Bielawski³

¹University of Gdansk, ²Department of Infectious Diseases, Medical University of Gdansk, ³Intercollegiate Faculty of Biotechnology, University of Gdansk and Medical University of Gdansk, Poland

MPS06-57 / Antiviral Potential of Catechins to Arrest Influenza Virus Infections with Confocal Microscopy, Molecular Docking and Mass Spectrometry

Kevin Downard, Patrick Mueller
University of Sydney

MPS06-58 / Anthocyanidin Inhibitors Against the Influenza Virus by Mass Spectrometry

Kevin Downard, Kavya Swaminathan, Patrick Muller
University of Sydney

MPS06-59 / Development of an LC-HRMS-based metabolomic approach to study methicillin-resistant Staphylococcus aureus

Sandrine Aros-Calt¹, Bruno Muller², Celine Ducruix², Samia Boudah¹, Gaspard Gervasi², Christophe Junot¹, François Fenaille¹

¹CEA Saclay - LEMM, ²bioMérieux

MPS06-60 / Analysing covalent protein-drug adducts: protein-melphalan adducts

Debbie Dewaele¹, Geert Baggerman², Frank Sobott³, Filip Lemière³

¹University of Antwerp, ²Flemish Institute for Technological Research (VITO), Mol, Belgium; Center for Proteomics (CFP-CeProMa), University of Antwerp, Antwerp, Belgium, ³Department of Chemistry, Biomolecular & Analytical Mass Spectrometry, University of Antwerp, Antwerp, Belgium; Center for Proteomics (CFP-CeProMa), University of Antwerp, Antwerp, Belgium

MPS06-62 / Investigating Metal Binding and the Resulting Conformational Changes of Monomeric Alpha-Synuclein

Aimee Paskins, Eva Illes-Toth, Catherine Duckett, Caroline Dalton, David Smith

Sheffield Hallam University

MPS06-63 / Tandem mass spectrometric characterization of a sugar-modified antisense oligonucleotide

Yvonne Hari, Stefan Schürch
University of Bern

MPS06-64 / Ultra-Sensitive Quantitation of Exenatide with Micro-Flow LC Trap-and-Elute and High Resolution and Triple Quadrupole Mass Spectrometry Workflow

Houssain El Aribi¹, Jinyuan Wang², Daniel Warren³, Anthony Romanelli³

¹ABSCIEX Switzerland, ²ABSCIEX, Redwood City, CA, ³ABSCIEX, Framingham, MA

MPS07 - Imaging MS – Instrumentation

11:00-15:00

Poster Exhibition, Level -1

MPS07-01 / Macroscopic and microscopic spatially-resolved analysis of food contaminants using Laser Ablation Electrospray Ionization Imaging Mass Spectrometry

Michel Nielsen¹, Teris van Beek²

¹RIKILT, Wageningen University and Research Centre, ²Wageningen University

MPS07-02 / Molecular mapping of skin and biofilms by MALDI MS imaging

Boudewijn Hollebrands, Hans-Gerd Janssen, Christian Grun
Unilever R&D

MPS07-03 / Application of New Nanostructured Materials in the LDI-MS Analysis of Small Molecules

Robert Jirasko, Michal Holcapek, Jan Macak, Jan Gutwirth
University of Pardubice

MPS07-04 / Dithranol is an Efficient Matrix for MALDI-MS Imaging of Glyco- and Phospholipids with High Lateral Resolution

Simeon Vens-Cappell, Hans Kettling, Jens Soltwisch, Johannes Mühling, Klaus Dreisewerd
University of Münster

MPS07-06 / Studies of an insect model for drug metabolism by Desorption Electrospray Ionization Mass Spectrometry Imaging

Christian Janfelt, Line R. Olsen, Steen H. Hansen
Dept. of Pharmacy, University of Copenhagen

MPS07-07 / High throughput detection of directed evolution driven biotransformation reactions with liquid surface extraction analysis mass spectrometry

Cunyu Yan, Anthony Green, Jason Schmidberg, Lorna Hepworth, Sabine Flitsch, Perdita Barran
University of Manchester

MPS07-08 / Comparison of Interleaved and Single Core Analog to Digital Converters and their Applications to TOF Mass Spectrometry

Andrew Glascott-Jones, Etienne Bouin, Marc Wingender, Francois Bore
e2v

MPS07-09 / A linear ion trap constructed with ladder shape electrodes

Fuxing Xu, Fuxing Xu, Xuebo Liu, Chuanfan Ding
Fudan University

MPS07-10 / iMatrixSpray - Open Source Sample Prep Solution for MS Imaging

Dieter Staab, Markus Stoeckli
Novartis

MPS07-11 / Electrostatic Spray Ionization (ESTASI) Mass Spectrometry Imaging of Thin-Layer Chromatography

Xiaoqin Zhong, Liang Qiao, Hubert Girault
EPFL

MPS07-12 / In-depth identification of protein images by combining high mass resolution MALDI FTMS Imaging and high performance qTOF nLC-MS/MS

Matthias Witt, Sergej Dikkler, Matt Willets, Shannon Cornett
Bruker Daltonics

MPS07-13 / 3D MALDI Imaging of Mouse Heart after Myocardial Infarction

Soeren Deininger¹, Dennis Trede², Axel Walch³, Peter Maass⁴, Theodore Alexandrov⁴, Arndt Asperger¹
¹Bruker Daltonics GmbH, ²SCiLS GmbH, Bremen, ³Research Unit Analytical Pathology, HMGU München, ⁴Center for Industrial Mathematics, Bremen

MPS07-14 / Mass spectrometric imaging of plant tissues using desorption nanoelectrospray ionization

Lucie Hartmanova¹, Petr Fryčák¹, Jana Chalupová², Marek Šebela², Michaela Sedlářová³, Karel Lemr¹
¹RCPTM, Palacky University in Olomouc, Czech Republic, ²Department of Biochemistry, Palacký University, Czech Republic, ³Department of Botany, Faculty of Science, Palacký University, Czech Republic

MPS07-15 / Dependence of mass peak shape on r/r0 ratio in quadrupole mass analyser

Victor Almazov, Lidia Gall
Institute for Analytical Instrumentation RAS. St. Petersburg, Russia

MPS07-16 / Self-organizing maps: A versatile tool for the automatic analysis of untargeted imaging datasets

Pietro Franceschi, Ron Wehrens
Fondazione E. Mach

MPS07-17 / Tissue Surface Properties Jeopardize Quantitative DESI Imaging of Organic Acids in Grapevine Stem

Yonghui Dong¹, Graziano Guella², Fulvio Mattivi¹, Pietro Franceschi¹
¹Fondazione E. Mach, ²University of Trento

MPS07-19 / Development of new stigmatic imaging mass spectrometer and its application for surface analysis of high functional organic materials

Jun Aoki, Hisanao Hazama, Kunio Awazu, Michisato Toyoda
Osaka University

MPS07-20 / A new ion beam based on water clusters for ToF-SIMS imaging

Nick Lockyer¹, Sadia Sheraz¹, Taylor Kohn¹, Irma Berrueta Razo¹, Andrew Barber², John Vickerman¹
¹University of Manchester, ²Ionoptika Ltd

MPS07-21 / Identifying the distribution of chlorpromazine and its metabolites in mouse liver samples using a newly developed Imaging Mass Microscope: iMScope

Koretsugu Ogata¹, Yumi Unno¹, Takushi Yamamoto¹, Noriyuki Ojima¹, Stephane Moreau²
¹Shimadzu corporation, ²Shimadzu Europa GmbH

MPS07-22 / Effect of elastic collisions on state of an ion cloud confined in an RF quadrupole trap elucidated by the temporal invariance method

Yves Zerega, [Aurika Janulyte](#), Jacques André
Aix-Marseille University

MPS07-23 / Development of a novel Two Channel Off-axis Ion Funnel Trap (TCOAIFT) for use in a FTICR Mass Spectrometer

Dominic Chan, Liulin Deng
The Chinese University of Hong Kong

MPS07-24 / Improvements of TOS-SIMS mass spectrometry imaging: high spatial resolution combined with high mass resolution and high sensitivity for relative quantification

[David Touboul](#), Quentin Vanbellingen, Claudia Bich, Nicolas Elie, Alain Brunelle
CNRS ICSN

MPS07-25 / Direct Ion Imaging with Active Pixel Detectors

Shane Ellis, Anne Bruinen, Ron M. A Heeren
FOM Institute AMOLF

MPS08 - Carbohydrates

11:00-15:00

Poster Exhibition, Level -1

MPS08-01 / Plasma protein N-glycosylation profiling by LC-MS of glycopeptides after depletion of 14 high abundant proteins

Florent Clerc, Bas C. Jansen, Carolien A.M. Koeleman, Irina Dragan, Paul J. Hensbergen, Manfred Wuhrer
Leiden University Medical Center (LUMC)

MPS08-02 / Characterization of biotherapeutic protein glycosylation with structure-specific LC/MS/MS

[Myung Jin Oh](#)¹, Serenus Hua¹, Young Suk Seo¹, Jae-Han Kim², Rudolf Grimm³, Hyun Joo An¹
¹AGRS/Chungnam National University, ²Chungnam National University, ³Agilent Technologies

MPS08-03 / A microfluidic chip-based strategy for biopharmaceutical glycome analysis

[Hyun Joo An](#)¹, Serenus Hua¹, Gregory Staples², Youngsuk Seo¹, Myung Jin Oh¹, Rudolf Grimm²
¹AGRS/Chungnam National University, ²Agilent Technologies

MPS08-04 / Searching the interaction of carbohydrates with Z- and E-sinapinic in solid MALDI samples

Rosa Erra Balsells¹, Maria Laura Salum¹, Tobias Schmidt de Leon¹, Jun Kasuga², Hiroshi Nonami², Gabriela Petroselli¹
¹University of Buenos Aires, ²Ehime University

MPS08-05 / Improving the quantitation of carbohydrates for metabolite profiling of biological extracts by GCMS.

[Deshmukh Sandeep](#), Birkemeyer Claudia
University of Leipzig, Germany

MPS08-07 / Mass spectrometric profiling of patatin glycoconjugates and their alterations with genotype variability

[Erika Lattova](#)¹, Adela Brabcova², David Potesil¹, Jan Barta², Zbynek Zdrahal¹
¹Masaryk University, ²University of South Bohemia

MPS08-08 / A nanoESI-QTOF MS approach for screening and sequencing of underivatized dextran chains containing up to 35 glucose repeats

Mirela Sarbu¹, Roxana Ghiulai², Alina Zamfir³
¹West University, Timisoara, ²University of Medicine and Pharmacy "Victor Babes", ³National Institute for Research and Development in Electrochemistry and Condensed Matter

MPS08-09 / Preparation and Characterisation of Chito - Oligosaccharides by MALDI-TOF MS and Size Exclusion Chromatography (SEC-MALLS) for Biomedical Applications

[Mariam Martin Mnatsakanyan](#), Emerson Ferreira Queiroz, Olivier Jordan, Gerrit Borchard, Jean-Luc Wolfender
University of Geneva

MPS08-10 / Automated Glycan Assignment Using Accurate Mass Measurement with a Calibrated Retention Time in Glucose Units

Ying Qing Yu¹, Weibin Chen¹, Mark Hilliard², Niaobh McLoughlin², Pauline Rudd², [David Lascoux](#)¹, Asish Chakraborty¹
¹waters corporation, ²NIBRT

MPS08-11 / Negative Ion Mode ESI-LC-MRM-MS for Differentiation of Native Human Milk Tetra- and Pentaoses & Possible Application in Human-Milk-Typing

[Marko Mank](#), Philipp Welsch, Bernd Stahl
Nutricia Research

MPS08-12 / Bottom-up characterization of a monoclonal antibody Trastuzumab with sheathless CESI-MS coupled to the Orbitraps mass spectrometers

Marcia Santos¹, David Bush², Jim Thorn², Rosa Viner³, Alain Beck⁴, Antonius Heemskerk⁵, Barry Karger², Alexander Ivanov²
¹Sciex Separations, ²Northeastern University, The Barnett Institute of Chemical and Biological Analysis, ³Thermo Fisher Scientific, ⁴Centre d'Immunologie Pierre Fabre (CIPF), ⁵Biomolecular Mass Spectrometry Unit, Department of Parasitology, Leiden University Medical Center

MPS08-13 / Sulphoglycomics Made Easy: a Simplified for Procedure for N- and O-glycomics

Poh-Choo Pang, Stuart Haslam, Anne Dell
Imperial College London

MPS31 - Biomarkers and Diagnostics

11:00-15:00

Poster Exhibition, Level -1

MPS31-02 / The influence of different sample collection methodologies on blood metabolomic phenotype LC-MS/MS profiles

Guido Dallmann¹, Fabio Polato¹, Manfred Rauh², Therese Koal¹
¹BIOCRATES Life Science AG, ²Kinder- und Jugendklinik Erlangen

MPS31-03 / Developing a cancer diagnostics system: Towards on-site multi purpose gadgetry

Kentaro Yoshimura¹, Lee Chuin Chen¹, Kunio Tanabe², Mayutaka Nakajima¹, Satoshi Ninomiya¹, Hirokazu Hori¹, Hideaki Izumi³, Kenzo Hiraoka¹, Sen Takeda¹
¹University of Yamanashi, ²Waseda University, ³Shimadzu Corporation

MPS31-04 / Novel urine assay for predicting acute pancreatitis severity by MALDI-TOF mass spectrometry

Chao-Jung Chen¹, Chiz-Tzung Chang², Shin-Yi Liao², Wen-Hsin Hunag², Tsung-Yu Tsai², Shih-Yi Lin², Chao-Yuh Yang³
¹China Medical University, ²China Medical University Hospital, ³Baylor College of Medicine

MPS31-06 / Toward standardization of C-peptide measurement: Development of reference material and serum C-peptide measurement by isotope-dilution mass spectrometry

Tomoya Kinumi, Akiko Takatsu
NMIJ, National Institute of Advanced Industrial Science and Technology (AIST)

MPS31-07 / Validation of UHPLC-MS/MS methods for the determination of kaempferol and 4-hydroxyphenylacetic acid in rat plasma, and application to pharmacokinetic studies

Volha Zabela¹, Mouhssin Oufir¹, Fahimeh Moradi-Afrapoli¹, Veronika Butterweck², Matthias Hamburger¹
¹University of Basel, ²University of Applied Sciences North Western Switzerland

MPS31-08 / Quantitative analysis of prostate specific antigen isoforms using immunoprecipitation and isotope dilution mass spectrometry

Sung-Fang Chen¹, Li-Ping Duan¹, Yi-Ting Chen²
¹National Taiwan Normal University, ²Chang-Gung University

MPS31-09 / Evaluation of endocrine disruptors in H295R cells culture media with high-resolution mass spectrometry using a qualitative and quantitative steroidomic approach

David Tonoli¹, Cornelia Fürstenberger², Julien Boccad¹, Denis Hochstrasser³, Fabienne Jeanneret¹, Alex Odermatt², Serge Rudaz¹
¹University of Geneva, ²University of Basel, ³Geneva University Hospital

MPS31-10 / A validated quantitative LC-MS/MS method using isotopic MRM transitions to evaluate global ratios of modified cytosines

Makoto Tsuji¹, Hironori Matsunaga², Daisuke Jinno³, Hiroki Tsukamoto³, Naoto Suzuki³, Yoshihisa Tomioka³
¹Daiichisankyo RD Novare Co., Ltd., ²Daiichisankyo Co., Ltd., ³Tohoku University, Graduate School of Pharmaceutical Sciences

MPS31-11 / Biomarkers of autism spectrum disorders (ASD) based on the comparative analysis of the metabolite concentrations in saliva

Keiji Gamoh, Yoshinori Nishiwaki
Kochi University

MPS31-12 / Comparison of three sample preparation methods for identification of bacterial pathogens from urine specimens by MALDI-TOF Mass Spectrometry.

Laurent Veron, Sandrine Mailler, Bruno Muller, Guillaume L'Hostis, Celine Ducruix, Hervé Rostaing, Véronique Lanet, Frédéric Mallard, Geraldine Durand, Alex van Belkum, Sandrine Ghirardi, Victoria Girard
BioMérieux

MPS31-13 / Chemical and biological study of human urinary biomarkers of dioxin exposure previously highlighted by metabolomics with high-resolution mass spectrometry

Fabienne Jeanneret¹, David Tonoli¹, Julien Boccad¹, Olivier Sorg¹, Jean-Hilaire Saurat¹, Denis Hochstrasser², Serge Rudaz¹
¹University of Geneva, ²Geneva University Hospitals

MPS31-14 / Preserve the integrity of tissue sample analytes by heat stabilization

Mats Borén, Marcus Söderquist, Karsten Fjärstedt
Denator

MPS31-15 / SRM as a new efficient detection tool for the early diagnosis of the Lyme disease

Laurence Sabatier¹, Gilles Schnell², Amandine Boeuf², Benoit Westermann², Benoît Jaulhac³, Christine Carapito², Nathalie Boulanger³, Laurence Ehret-Sabatier²
¹IPHG-LSMBO, ²IPHG-LSMBO, CNRS-Université de Strasbourg, France, ³EA7290, Groupe Borréliose de Lyme, Facultés de médecine et de pharmacie, Université de Strasbourg, France

MPS31-16 / Investigating Biological Variation in Human Hepatocytes of Phase I and II drug Metabolism Enzymes

Joerg Dojahn, Dietmar Waidelich, Sibylle Heidelberger, Antonio Serna, Francesco Brancia, Xu Wang
AB Sciex

MPS31-17 / Understanding Leishmania Life Cycle by MALDI-MS Profile and Chemometric Analysis

Daniele F. O. Rocha¹, Vanessa G. Santos¹, Joana Kim¹, Solange S. Costa², Selma Giorgio², Marcos N. Eberlin¹

¹ThoMSon Mass Spectrometry Laboratory - University of Campinas - UNICAMP, ²Department of Animal Biology, Biology Institute, University of Campinas UNICAMP

MPS31-18 / In vivo cytochrome P450 3A activity in a pregnant woman as measured by endogenous cortisol 6 β -hydroxylation clearance

Hiromi Shibasaki-Hirano¹, Kaori Hosoda², Akitomo Yokokawa¹, Kazuo Ishii², Takashi Furuta¹

¹Tokyo University of Pharmacy and Life Sciences, ²Kyorin University

MPS31-20 / Rapid identification of fungi of the genus *Aspergillus* using ribosomal protein biomarkers as observed by MALDI-MS

Hiroaki Sato¹, Sayaka Nakamura¹, Reiko Tanaka², Takashi Yaguchi²

¹National Institute of Advanced Industrial Science and Technology (AIST), ²Medical Mycology Research Center, Chiba University

MPS31-21 / A novel index for assessing 3 β -hydroxysteroid dehydrogenase activity in humans based on the measurement of dehydroepiandrosterone and androstenedione

Akitomo Yokokawa¹, Miki Motoo¹, Seri Sakai¹, Hiromi Shibasaki-Hirano¹, Kaori Hosoda², Kazuo Ishii², Takashi Furuta¹

¹Tokyo University of Pharmacy and Life Sciences, ²Kyorin University

MPS31-22 / Ticagrelor effects on the adenosine pathway revealed by stable isotopes and mass spectrometry in a dog heart ischemia study

Ralf Nilsson, Lars Löfgren, Jan-Arne Björkman, Sven Nylander
Astrazeneca

MPS31-23 / Detection of LPS modification as a biofilm signature using the VITEK® MS system

Nadine Perrot¹, Caroline Mirande¹, Jean-Marc Ghigo², Javier Yugueros Marcos¹, Sonia Chatellier¹

¹bioMérieux, ²Institut Pasteur

MPS31-24 / The utilization of LC-MS/MS methods in diagnosis of cystathionin- β -synthase deficiency.

Jakub Krijt, Jitka Sokolová, Pavel Ješina, Josef Bártl, Viktor Kožich
General University Hospital and 1st Faculty of Medicine, Charles University

MPS31-25 / Improved Sample Preparation and HPLC/MS Analysis of Vitamin D Metabolites from Human Plasma

Jens Boertz, Craig Aurand, Frank Michel, Dave Bell, Hugh Cramer, Anders Fridstrom
Sigma-Aldrich

MPS31-26 / A proteomic investigation into the molecular mechanism of HIV tat induced neuronal apoptosis

Tariq Ganief, Shaun Garnett, Jonathan Blackburn
IIDMM, UCT

MPS31-27 / Quantification of HER2 from FFPE Tumor Tissue using Targeted Mass Spectrometry (MS)

Todd Hembrough¹, Les Henderson², Brittany Rambo², Wei-Li Liao¹, Sheeno Thyparambil¹, Kathleen Bengali¹, Marlene Darfler¹, Lei Zhao³, David Krisman¹, Peng Xu², Shu-Yuan Xiao³, Jon Burrows¹, Daniel Catenacci², Adele Blackler¹

¹OncoPlex diagnostics, ²University of Chicago Department of Medicine,

³University of Chicago Department of Pathology

MPS31-28 / Proteomic Analysis of Bence Jones Proteins Isolated from Urine Sample

Melda Zeynep Guray¹, Talat Yalcin¹, Vecihi Batuman²

¹Izmir Institute of Technology, ²Tulane University School of Medicine

MPS31-29 / A Method for Isolating Free Thiol-Containing Proteins from Plasma

Caroline Donzeli Pereira, Toshifumi Takao
Osaka University

MPS31-30 / Plasma proteomic biomarker strategy in a porcine hepatectomy model

Kohta Iguchi¹, Masaya Ikegawa², Etsuro Hatano³, Takashi Nirasawa⁴, Noriyuki Iwasaki⁴, Kenya Yamanaka³, Motohiko Sato³, Gen Yamamoto³, Tatsuya Okamoto³, Yosuke Kasai³, Kojiro Taura³, Kei Tashiro⁵, Shinji Uemoto³

¹Japan, ²Department of Life and Medical Systems, Faculty of Life and Medical Sciences, Doshisha University, Kyoto, Japan, ³Department of Surgery, Graduate School of Medicine, Kyoto University, Kyoto, Japan, ⁴Bruker Daltonics K.K., Yokohama, Japan, ⁵Department of Genomic Medical Science, Kyoto Prefectural University of Medicine, Kyoto, Japan

MPS31-31 / Analysis of vitamins D metabolites by isotope-dilution liquid chromatography – tandem mass spectrometry using enzyme-assisted derivatisation

Jonas Abdel-Khalik, Peter Crick, William Griffiths
Swansea University

MPS31-32 / Lipidomic and Proteomic Profiling and Imaging of Uveal Melanoma using MALDI-IMS-MS

Laura Cole¹, Hardeep Mudhar², Malcolm Clench¹

¹BMRC, Sheffield Hallam University, ²National Specialist Ophthalmic Pathology Service, Royal Hallamshire Hospital

MPS31-33 / Mass Spectrometry-Based Biomarker Discovery: Quantification of Targeted Neuropeptides in Neuropathic Pain

Floriane Pailleux¹, Francis Beaudry²

¹University of Geneva, ²Univesity of Montréal

MPS31-34 / Micro-heterogeneity of pyrrole-imidazole polyamides (PIPs) which are the novel diagnostic agent and/or drug candidates using mass spectrometry

Takeshi Kasama¹, Akiyoshi Hirata², Yuki Tominaga², Kiyoshi Nokihara²
¹Tokyo Medical and Dental University, ²HiPep Laboratories

MPS31-35 / The Clinical Metabolomics Facility (CMF) – accelerating translational research

Cédric Bove¹, Christian Berchtold¹, Barbara Büchel¹, Michael Hayoz¹, Johan Mattson¹, Jean-François Dufour², Martin G. Fiedler¹, Carlo Largiadèr¹

¹Institute of Clinical Chemistry, Inselspital, Bern University Hospital, Bern, Switzerland, ²University Clinic of Visceral Surgery and Medicine, Department of Hepatology, Inselspital, Bern University Hospital, Bern, Switzerland

MPS31-36 / MS based quantification of individual glycation sites in plasma proteins as potential type 2 diabetes biomarkers

Sandro Spiller¹, Andrej Frolov¹, Matthias Blüher², Ralf Hoffmann¹

¹Institute of Bioanalytical Chemistry, Faculty of Chemistry and Mineralogy, Universität Leipzig, ²University Hospital Leipzig, Department for Internal Medicine, Clinic for Endocrinology and Nephrology, Research Laboratory

MPS31-37 / Epigenetic effects of Benzo[a]Pyrene on placental histones: a new global MS-based profiling approach

Raphaël Bilgraer¹, Sylvie Gillet¹, Sophie Gil², Danièle Evain-Brion², Olivier Laprévote¹

¹Université Paris Descartes, Sorbonne Paris Cité, Faculté des Sciences Pharmaceutiques et Biologiques de Paris, CNRS UMR 8638, ²Université Paris Descartes, Sorbonne Paris Cité, Faculté des Sciences Pharmaceutiques et Biologiques de Paris, INSERM U1139

MPS31-38 / Nanoflow LC/MS for the Quantitation of Aristolochic Acid DNA Adducts

Charles Iden, Robert Rieger, Irina Zaitseva, Radha Bonala, Francis Johnson, Arthur Grollman
 Stony Brook University

MPS31-39 / A Systems Biology / Multi-Omics Approach for the Study of Heart Regeneration in Zebrafish

Leanne C. Nye¹, Lee Gethings², Shuk Han Cheng³, Yun Wah Lam³, Fatemeh Babaei³, Alfred W. H. Chan³, Chi Chi Liu³, Robert S. Plumb⁴, Ian D. Wilson¹

¹Imperial College, London, ²Waters, Manchester, UK, ³City University, Hong Kong, ⁴Waters, Milford, MA

MPS31-40 / Biomarkers probed in biological fluids by surface plasmon resonance imaging coupled to MALDI mass spectrometry in array format

William Buchmann¹, Johana Musso¹, Florence Gonnet¹, Nathalie Jarroux¹, Sophie Bellon², Didier-Luc Brunet², Régis Daniel¹

¹University of Evry, ²Horiba Scientific

MPS31-41 / Analysis of Cerebrospinal Fluid using High Resolution Mass Spectrometry

Katalin Barkovits, Sara Galozzi, Katrin Marcus Marcus
 Ruhr-University Bochum

MPS31-42 / UHPLC-MS/MS Method for Monitoring of Neurotransmitters and Their Metabolites in Brain Microdialysates

Petr Kacer, Kamila Syslová, Miloš Mikoska, Marek Kuzma
 ICT - Prague

MPS31-43 / Molecularly Imprinted Polymers Separation Combined with UHPLC-MS/MS: A Tool for Experimental and Clinical Diagnostics

Petr Kacer, Kamila Syslová, Miloš Mikoska, Marek Kuzma
 ICT - Prague

MPS31-44 / Nanoprobe-based affinity mass spectrometry for quantification and glycosylation profiling of liver cancer biomarkers

Mira Anne C. dela Rosa
 Department of Chemistry, National Taiwan University

MPS31-45 / Targeted and non-targeted metabolomics in the research of chronic kidney disease

Naama Karu¹, Richard Wilson², Noel Davies², David Nichols², Robert A. Shellie¹, Charlotte McKercher³, Matthew D. Jose⁴, Emily F. Hilder¹

¹ACROSS, University of Tasmania, ²Central Science Laboratory, University of Tasmania, ³Menzies Research Institute, University of Tasmania, ⁴Menzies Research Institute, University of Tasmania; Royal Hobart Hospital

MPS31-46 / Plasma levels of Tβ4 in cardiac patients and matched controls analyzed by LC-MS and ligand binding assay

Ann-Sofi Söderling¹, Ann-Sofi Söderling², Ann Lövgren², Pia Davidsson², Charlotte Lindgren², Marianne Månsson³
¹astrazeneca, ²CVMD lmed/Astra Zeneca, ³Discovery Science/lmed/AstraZeneca

MPS31-47 / Plasma metabolite profiling of chronic myeloid leukemia patients

Radana Karlikova¹, Marcela Hrdá¹, Jitka Siroka¹, Edgar Faber², Katerina Micova¹, Alžběta Kalivodová³, David Friedecký⁴, Tomas Adam⁵

¹Institute of Molecular and Translational Medicine, Faculty of Medicine and Dentistry, Palacký University and University Hospital, Olomouc, Czech Republic, ²Department of Hemato-Oncology, Faculty of Medicine and Dentistry, Palacký University in Olomouc, University Hospital Olomouc, ³Department of Mathematical analysis and applications of Mathematics, Institute of Molecular and Translational Medicine, Faculty of Medicine and Dentistry, Palacký University in Olomouc, ⁴Laboratory of Inherited Metabolic Disorders, Institute of Molecular and Translational Medicine, Faculty of Medicine and Dentistry, Palacký University in Olomouc, University Hospital Olomouc, ⁵Department of Clinical Chemistry, Laboratory of Inherited Metabolic Disorders, Institute of Molecular and Translational Medicine, Faculty of Medicine and Dentistry, Palacký University in Olomouc, University Hospital Olomouc

MPS31-48 / Application of an improved LC-MS/MS method for the measurement of steroid levels in supernatant of H295R cells to meet the criteria of OECD TG 456

Martin Dostler¹, Matthias Woll¹, Tzutzy Ramirez-Hernandez², Volker Strauss², Tilmann Walk¹, Regine Fuchs¹, Ralf Looser¹, Ben Van Ravenzwaay²

¹metanomics GmbH, ²BASF SE

MPS31-49 / Performance investigation of a novel integrated microfluidics platform in high-throughput LC-MS MRM disease protein marker verification

Christopher Hughes, Lee Gethings, James Langridge, Johannes Vissers

Waters Corporation

MPS31-50 / Non-target screening of mercapturic acids in human urine – comparison of different LC-MS approaches

Robert Bloch, Merle Plaßmann, Werner Brack, Martin Krauss

Helmholtz Centre for Environmental Research GmbH - UFZ

MPS31-51 / UHPLC-QTOF Based Metabolomics for discovering Etiological Biomarkers of Liver Cancers Using Serum Samples from a Large Multinational Prospective Cohort

Dinesh Barupal, Augustin Scalbert, Talita Duarte-Salles, Magdalena Stepien, Isabelle Romieu, Mazda Jenab

International Agency for Research on Cancer

MPS31-52 / Applications of Mass Tags for Diagnostic Immuno Mass Spectrometry

Martina Lorey¹, Belinda Adler², Alain Rouleau³, Marven El Osta⁴, Hong Yan², Ville Jokinen⁵, Rabah Soliymani¹, Patrick Ducoroy⁴, Wilfrid Boireau³, Simon Ekström², Thomas Laurell², Marc Baumann¹

¹University of Helsinki, ²Lund University, ³FEMTO-ST Institute, Université de Franche-Comté, ⁴CHU Dijon, Université de Bourgogne,

⁵Aalto University

Tuesday, August 26th

PS00-01 / Francis William Aston: Postcards from Switzerland
 Kevin Downard
 University of Sydney

TPS11 - Targeted and Quantitative Proteomics

11:00-15:00

Poster Exhibition, Level -1

TPS11-01 / Substrate screening with MeCAT – A comparison of strategies for relative protein quantification

René Becker¹, Gunnar Schwarz¹, Violette Frochoux¹, Frank Bierkandt², Norbert Jakubowski², Hartmut Schlüter³, Michael Linscheid¹
¹Humboldt-Universität zu Berlin, ²Bundesanstalt für Materialforschung und -prüfung, ³Universitätsklinikum Hamburg-Eppendorf

TPS11-02 / Multiplexing TMT and SILAC for accurate quantification of mammalian proteomes in MS2 mode

Bogdan Budnik¹, Nikolai Slavov², Alexander van Oudenaarden³
¹FAS Center for Systems Biology, Harvard University, ²Department of Statistics and FAS Center for Systems Biology, Harvard University, ³Hubrecht Institute, Royal Netherlands Academy of Arts and Sciences and University Medical Center Utrecht

TPS11-03 / Global proteome changes in rat spinal cord associated with neuropathic pain

Ping Sui¹, Hiroyuki Watanabe², Michael Ossipov³, Georgy Bakalkin², Konstantin Artemenko⁴, Jonas Bergquist¹
¹Analytical Chemistry, Department of Chemistry – BMC and SciLifeLab, Uppsala University, Sweden, ²Molecular Neuropsychopharmacology, Department of Pharmaceutical Biosciences, Uppsala University, Sweden, ³Department of Pharmacology, University of Arizona Health Sciences Center, Tucson, USA, ⁴Analytical Chemistry, Department of Chemistry – BMC and SciLifeLab, Uppsala University, Sweden

TPS11-04 / Differential Proteomics of Monosodium Urate Crystal Induced Inflammatory Response in Dissected Murine Air Pouch Membranes by iTRAQ Technology

Chih-Wei Chiu¹, Ying-Chu Shih², Sung-Fang Chen¹
¹National Taiwan Normal University, ²Biomedical Technology and Device Research Laboratories, Industrial Technology Research Institute

TPS11-05 / Optimization of workflow for targeted MS-based proteomic quantification of osteopontin in healthy and cancerous human breast tissues

Katarzyna Macur¹, Lars Hagen², Tomasz Ciesielski³, Lucyna Konieczna⁴, Jarosław Skokowski⁵, Bjørn Munro Jenssen³, Geir Slupphaug², Tomasz Bączek⁴
¹Intercollegiate Faculty of Biotechnology University of Gdansk & Medical University of Gdansk, Gdansk, Poland, ²Department of Cancer Research and Molecular Medicine and PROMEC, Proteomics and Metabolomics Core Facility, Norwegian University of Science and Technology, Trondheim, Norway, ³Department of Biology, Norwegian University of Science and Technology, Trondheim, Norway, ⁴Department of Pharmaceutical Chemistry, Medical University of Gdańsk, Gdansk, Poland, ⁵Central Biobank of Tissues and Genetic Material Bank, Medical University of Gdańsk, Gdansk, Poland

TPS11-06 / Characterization of SIL Universal Antibody and SIL Human Proteins for Quantitative Mass Spectrometry

Pegah R. Jalili, James J Walters, Gordon Nicol, Kevin Ray, Anders Fridström
 Sigma-Aldrich

TPS11-07 / Metal labelling for quantification of post translational sugar modifications of proteins

Stefanie Ickert, Lena Ruhe, Gunnar Schwarz, Rene Becker, Sebastian Beck, Michael Linscheid
 Humboldt-Universität zu Berlin

TPS11-08 / The investigation of detergent addition to tryptic digests for improving in-situ proteomic experiments.

Ekta Patel, Malcolm Clench, Simona Francese
 Biomedical Research Centre, Sheffield Hallam University

TPS11-09 / Protein expression changes within the epidermis of living skin equivalent tissue observed across a time-course by MALDI-MSI using on-tissue digestion protocols.

Christopher Mitchell¹, Michael Donaldson², Simona Francese¹, Malcolm R. Clench¹
¹Biomedical Research Centre, Sheffield Hallam University, ²Stiefel, A GSK Company

TPS11-10 / Unraveling the effects of Vitamin D on global protein expression in insulin producing cells by using SILAC in combination with 2D LC MS/MS

Milaim Pepaj, Per Medbøe Thorsby
 Oslo University Hospital

TPS11-11 / Label free SRM-based relative quantification of antibiotic resistance in *Pseudomonas aeruginosa* isolates

Yannick Charretier¹, Tiphaine Cecchini², Chloé Bardet³, Abdessalam Cherkaoui⁴, Catherine Llanes Barakat⁵, Pierre Bogaerts⁶, Sonia Chatellier⁷, Jean-Philippe Charrier⁸, Thilo Köhler⁹, Jacques Schrenzel¹⁰
¹Genomic Research Laboratory, Service of Infectious Diseases, Geneva University Hospitals, ²Institute for Analytical Sciences, Joint Research Unit ⁵280 CNRS/Lyon 1 University, Villeurbanne, France ³Technology Research Department, bioMérieux SA, Marcy l'Etoile, France, ³UMR1092 INSERM, Limoges University, France; ⁴MD³, bioMérieux SA, Marcy l'Etoile, France, ⁴Clinical Microbiology Laboratory, Service of Infectious Diseases, Geneva University Hospitals, Geneva, Switzerland, ⁵Laboratoire de bactériologie, EA4266, Université de Franche-Comté, Besançon, France ⁶Centre National de Référence de la résistance aux antibiotiques, CHRU Jean Minjoz, Besançon, France, ⁶Laboratoire de bactériologie, Université Catholique de Louvain, CHU de Mont-Godinne, Yvoir, Belgique, ⁷Microbiology Unit, bioMérieux SA, La Balme les Grottes, France, ⁸Technology Research Department, bioMérieux SA, Marcy l'Etoile, France, ⁹Service of Infectious Diseases, Geneva University Hospitals, Geneva, Switzerland, ¹⁰Genomic Research Laboratory and Clinical Microbiology Laboratory, Service of Infectious Diseases, Geneva University Hospitals, Geneva, Switzerland

TPS11-12 / Comparison of data-independent and data-dependent proteomic analysis of human cells on a Thermo Scientific Q Exactive Plus instrument

Sasa Miladinovic¹, Paul Boersema², Tejas Gandhi¹, Roland Bruderer¹, Oliver Bernhardt¹, Paola Picotti², Lukas Reiter¹
¹Biognosys AG, Zurich, Switzerland, ²Institute of Biochemistry, ETH Zurich, Switzerland

TPS11-13 / A targeted proteomics study of lipid synthesis pathways in stromal stem cells

Andreas Hentschel, Cristina Coman
 Leibniz-Institut für Analytische Wissenschaften – ISAS – e.V.

TPS11-14 / Characterization of an Improved Ultra-High Resolution QTOF for Proteomics Applications

Stephanie Kasper, Annette Michalski, Lubeck Markus, Baessmann Carsten
 Bruker Daltonics GmbH

TPS11-15 / High quantification efficiency in plasma targeted proteomics with a Q-TOF platform

Stephanie Kasper, Pierre-Olivier Schmit, Carsten Baessmann, Annette Michalski
 Bruker Daltonics GmbH

TPS11-16 / Sortase A-mediated site-specific immobilization of peptides and proteins for interactome analysis by LC-MS/MS

Eberhard Krause¹, Benno Kurokka², Nadine Royle², Christian Freund³
¹Forschungsverbund Berlin e.V., ²FMP Berlin, ³Freie Universität Berlin

TPS11-17 / Monitoring of H3K56ac level in cancer cell lines during cell cycle by SRM

Karel Stejskal¹, Stanislav Stejskal², David Potěšil¹, Irena Koutná², Zbyněk Zdráhal¹
¹RG Proteomics, Central-European Institute of Technology (CEITEC), Masaryk University, Czech Republic, ²Centre for Biomedical Image Analysis, Faculty of Informatics, Masaryk University, Czech Republic

TPS11-18 / Increasing depth of coverage in data independent acquisition

Joerg Dojahn¹, Dietmar Waidelich¹, Sibylle Heidelberger¹, Quentin Enjalbert¹, Antonio Serna¹, Francesco Brancia¹, Christie Hunter¹, Ben Collins², Ludovic Gillet², Ruedi Aebersold²
¹AB Sciex, ²ETH Zurich

TPS11-19 / Highly selective protein proteolysis using aptamer immobilized polymer supports for mass spectrometry based proteomics

Ülkü Güler, Funda Yıldırım, Ömür Çelikbıçak, Bekir Salih
 Hacettepe University, Department of Chemistry

TPS11-20 / Amyloid beta peptide quantification via Direct Infusion - Mass Spectrometry

Sara Galozzi, Katalin Barkovits, Thorsten Müller, Katrin Marcus
 Ruhr-University Bochum

TPS11-21 / The Optimization of host-cell protein detection using data-independent SWATH-MS

Milla Neffling¹, Eric Johansen², Justin Blethrow²
¹AB Sciex, ²AB Sciex, CA, USA

TPS11-22 / Determination of cystatin C in human serum by isotope dilution mass spectrometry using mass overlapping peptides

Pablo Rodriguez-Gonzalez¹, Ana Gonzalez-Antuña¹, Ruediger Ohlendorf², André Henrion², J. Ignacio Garcia Alonso¹
¹University of Oviedo, ²PTB

TPS11-23 / Identification and quantification of low abundance host cell proteins in a high purity monoclonal antibody

Catalin Doneanu, Weibin Chen, David Lascoux, Asish Chakraborty
 Waters

TPS11-24 / Enhanced Performance and Robustness in Peptide Quantitation Using a Newly Developed Triple Quadrupole Instrument

Yanan Yang, Alex Zhu, Christine Miller, Anabel Fandino, Na Parra, Lester Taylor
 Agilent Technologies Inc.

TPS11-25 / The Automated Optimization of Selected Reaction Monitoring Methods for Higher Sensitive Measurements of Peptides

Bandar Alghanem¹, Aivett Bilbao¹, Ying Zhang¹, Dario Bottinelli¹, Frédéric Nikitin², Markus Mueller², Frédérique Lisacek², Jeremy Luban³, Caterina Strambio De Castillia³, Emmanuel Varesio¹, Gérard Hopfgartner¹

¹Life Sciences Mass Spectrometry, University of Geneva, ²Proteome Informatics Group, Swiss Institute of Bioinformatics, ³University of Massachusetts, Medical School, Program in Molecular Medicine

TPS11-26 / Investigating the effect of protein degradation on the quantification of genetically modified soya using stable isotope labeling and mass spectrometry

Po-Chih Chang, Yen-Peng Ho

Department of Chemistry, National Dong Hwa University, Hualien, Taiwan

TPS11-27 / Quantitation of MET using Mass Spectrometry for Clinical Application: Correlation with IHC and MET Gene Amplification in FFPE Tumor Tissue

Todd Hembrough¹, Wei-Li Liao¹, Sheeno Thypambal¹, Les Henderson², Brittany Rambo², Fabiola Cecchi¹, Donald Bottaro³, Kathleen Bengali¹, Marlene Darfler¹, Peng Xu², Shu-Yuan Xiao⁴, Jon Burrows¹, Daniel Catenacci²

¹OncoPlex Diagnostics, ²University of Chicago, Department of Medicine, Section of Hematology & Oncology, ³Urologic Oncology Branch, National Cancer Institute, National Institutes of Health, ⁴University of Chicago, Department of Pathology

TPS11-28 / Automated High Throughput Peptide and Protein MRM Optimization for Pharmaceutical Method Development

Sebastian Fabritz¹, Ian Moore², Suma Ramagiri²

¹AB Sciex, Darmstadt, GERMANY, ²AB SCIEX, Concord, CANADA

TPS11-29 / Flexible and Multiplexed Targeted Quantification of Proteins by GeLC MS/MS

Mukesh Kumar, David Drechsel, Andrej Shevchenko, Marc Gentzel

Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG)

TPS11-30 / Chemical hydrolysis-based middle-down proteomics

Kristina Srzentic¹, Luca Fornelli², Konstantin O. Zhurov¹, Yuri O. Tsybin¹

¹Ecole Polytechnique Federale de Lausanne, ²Northwestern University

TPS11-31 / Automated sample preparation workflows for MS-based proteomics applications

Guenter Boehm¹, Gunnar Dittmar², Oliver Popp², Andreas Bruchmann³, Thomas Blenkens³

¹CTC Analytics AG, ²Max Delbrück Center for Molecular Medicine, MDC, Berlin, ³Axel Semrau GmbH, Sprockhoevel

TPS11-32 / Comparison of different sample preparation strategies reveals quantification biases in gram-negative bacteria and human cells

Timo Glatter, Erik Ahnre, Alexander Schmidt

Biozentrum Basel

TPS11-33 / A new method to control ratio distortion for isobaric labeling approaches

Erik Ahnre, Timo Glatter, Alexander Schmidt

Proteomics Core Facility, Biozentrum, University of Basel

TPS11-34 / Studying the effect of natural genetic variation on protein abundance in *C. elegans*

Kapil Dev Singh¹, Bernd Roschitzki², Mark Elvin³, Gino Poulin³, Basten Snoek⁴, Jan E. Kammenga⁴, Sabine Schrimpf¹, Michael Hengartner¹

¹Institute of Molecular Life Sciences, University of Zurich, ²Functional Genomics Center Zurich, University of Zurich and ETH Zurich, ³Faculty of Life Sciences, The University of Manche

TPS11-35 / There's a hole in my assay, dear ELISA, dear ELISA! Using targeted MS to detect gluten in beer that is invisible to ELISA.

Michelle Colgrave, Hareshwar Goswami, Crispin Howitt, Greg Tanner

CSIRO

TPS11-36 / Evaluation of candidate proteases for middle-down proteomics

Liana Tsiatsiani, Henk van den Toorn, Frank van Breusegem, A.F.

Maarten Altelaar, Albert J.R. Heck

Utrecht University

TPS11-37 / Targeted proteomics approach to develop a bioassay detecting environmental glucocorticoids with zebrafish embryos

Anita O Hidasi^{1,2}, Ksenia J Groh^{1,3}, Kristin Schirmer^{1,2,3}, Marc J-F Suter^{1,3}

¹Eawag, Swiss Federal Institute of Aquatic Science and Technology,

²EPFL, ³ETHZ

TPS11-38 / Mass spectrometry-based proteomics of amniotic fluid incident to normal, preeclampsia and polyhydramnion pregnancies

Ruta Navakauskienė¹, Ilona Zaikova², Sandra Baronaite², Audrone Arlauskienė³, Dalius Matuzevicius⁴, Dalius Navakas⁴, Grazina Treigyte²

¹Vilnius University Institute of Biochemistry, ²Department of Molecular Cell Biology, Vilnius University Institute of Biochemistry, ³Center of Obstetrics and Gynecology, Vilnius University Hospital Santariskiu Klinikos, ⁴Electronic Systems Department, Faculty of Electronics, Vilnius Gediminas Technical University

ster, ⁴Laboratory of Nematology, Wageningen University

TPS12 - Lipidomics

11:00-15:00

Poster Exhibition, Level -1

TPS12-01 / Solid phase extraction materials for the extraction of Phosphatidylethanol

Kishore Kumar Jagadeesan¹, Mariana Duarte², Ecevit Yilmaz², Thomas Laurell¹, Simon Ekström¹

¹Dept. of Biomedical Engineering, Lund University, ²MIP Technologies

TPS12-02 / Effects of fatty acyl chain lengths, unsaturation degree, concentration and used matrix on phosphatidylcholine responses in MALDI-MS

Vitaliy Chagovets, Miroslav Lísa, Michal Holčápek
University of Pardubice

TPS12-03 / Separation of Triacylglycerol Regioisomers by Differential Mobility Spectrometry

Martin Šala¹, Miroslav Lísa², Larry J. Campbell³, Michal Holčápek²
¹National Institute of Chemistry, ²University of Pardubice, ³AB SCIEX

TPS12-04 / Determination of compositions and regiospecificity of two fatty acyl groups in phospholipids by using MALDI-TOF/TOF

Young Hwan Kim, Geul Bang
Korea Basic Science Institute

TPS12-05 / GLP-1's effects on palmitate-induced islet lipotoxicity investigated by targeted lipidomics

Jia Mi¹, Jonas Bergquist¹, Kumari Ubhayasekera¹, Peter Bergsten²
¹Department of Chemistry, Uppsala University, ²Department of Medical Cell Biology

TPS12-06 / Off-line 2D HPLC of aliphatic hydrocarbons

Vladimír Vrkoslav¹, Martin Vít², Josef Cvačka¹
¹Institute of Organic Chemistry and Biochemistry v.v.i., Academy of Sciences of the Czech, ²Department of Analytical Chemistry, Faculty of Science, Charles University in Prague

TPS12-07 / A Single Run LC/MS/MS Method for Phospholipidomics: application to *S. cerevisiae* lipidome and marine lecithin

Corinne Bure¹, Alexandre Pinsolle¹, Sophie Ayciriex², Eric Testet², Maud Cansell¹, Jean-Marie Schmitter¹
¹CBMN/CNRS, ²LBM/CNRS

TPS12-08 / Improving Lipid Profiling Performance using Micro Flow Liquid Chromatography and High Resolution Mass Spectrometry

Jean-Baptiste Vincendet
AB SCIEX

TPS12-09 / Qualitative and Quantitative Analysis of Oxidized Fatty Acids by Information Dependent and Data Independent Strategies on a Quadrupole Time-of-Flight Hybrid Ins

Jean-Baptiste Vincendet, Cyrus Papan
AB SCIEX

TPS12-10 / HPLC/APCI-MS3 OF 1,2-DIOL diesters in vernix caseosa

Josef Cvačka¹, Vladimír Vrkoslav¹, Lenka Šubčíková², Michal Hoskovec¹, Radka Miková¹
¹Institute of Organic Chemistry and Biochemistry AS CR, v.v.i., ²Charles University in Prague

TPS12-11 / The lipid profile of follicular fluid undergoing ovary superstimulation by high throughput MALDI-MS

Katia Roberta Anacleto Belaz¹, Alessandra Tata¹, Anthony César de Souza Castilho², Mateus J. Sudano³, Ciro M. Barros², Marcos N. Eberlin¹
¹Thomson Mass Spectrometry Laboratory, ²School of Veterinary Medicine and Animal Science, ³Laboratory of Genetics and Animal Breeding

TPS12-12 / Lipidomic Characterization of Kidney Cancer Tissues using HILIC-HPLC/ESI-MS

Eva Čífková¹, Michal Holčápek¹, Miroslav Lísa¹, David Vrána², Bohuslav Melichar², Vladimír Študent²
¹University of Pardubice, ²Palacký University

TPS12-13 / Lipidomics: Supercritical fluid chromatography/ion mobility – mass spectrometry as a tool for fast nontargeted analysis of lipids

Miroslav Lísa, Michal Holčápek
University of Pardubice

TPS12-14 / Mass spectrometry technique coupled with isotopic labeling as an useful tool in metabolism studies of lipid compounds

Magdalena Kania¹, Adam Jozwiak², Marta Palusinska-Szys³, Ewa Swiezewska², Witold Danikiewicz¹
¹Institute of Organic Chemistry Polish Academy of Sciences, ²Institute of Biochemistry and Biophysics, Polish Academy of Sciences, ³Institute of Microbiology and Biotechnology, Maria Curie-Skłodowska University

TPS12-15 / MALDI Imaging of Rat Testis at 10µm Pixel Size and 470k Mass Resolution

Soeren Deininger, Eckhard Belau, Jens Fuchser, Michael Becker, Matthias Wit
Bruker Daltonics GmbH

TPS12-16 / Nano-LC-MS/MS for the Quantitation of Prostanoids in Immune Cells

Dominique Thomas¹, Suo Jing¹, Thomas Ulshöfer², Klaus Scholich¹, Holger Jordan², Natasja de Bruin², Gerd Geisslinger¹, Nerea Ferreirós¹
¹Institute of Clinical Pharmacology, Goethe-University Frankfurt, ²Fraunhofer Institute for Molecular Biology and Applied Ecology IME, Project Group TMP, Frankfurt

TPS12-17 / Evaluation of oxidation products in fatty acid esters by easy ambient sonic-spray ionization mass spectrometry

Ildenize Barbosa da Silva Cunha, Gustavo G Pereira, Rosana M Alberici, Adriana Godoy, Daniel Barrera-Arellano, Marcos Nogueira Eberlin
Universidade Estadual de Campinas-UNICAMP

TPS12-18 / Mutation of FOXN1 gene and changing in skin lipid profile: a lipidomic analysis in nude mice

Justine Lanzini, Anne Regazzetti, Delphine Dargere, Nicolas Auzeil, Olivier Laprévote
UMR 8638

TPS12-19 / Robust LC-MS/MS Analysis of CNS-derived GM1 and GM2 Gangliosides

Scott A. Shaffer, Karin M. Green, Cara M. Weismann, Jennifer Ferreira, Miguel Sena-Esteves
University of Massachusetts Medical School

TPS12-20 / Imaging mass spectrometry for analysing changes in the brain lipidome during cerebral ischemia in mice

Mette Marie Bruun Nielsen¹, Christian Janfelt², Kate Lykke Lambertsen³, Bettina Hjelm Clausen³, Harald Severin Hansen⁴
¹University of Copenhagen, ²Department of Pharmacy, University of Copenhagen, ³Department of Neurobiology Research, University of Southern Denmark, ⁴Department of Drug Design and Pharmacology, University of Copenhagen

TPS12-21 / The Effective MALDI MS Matrixes and Additives for Ganglioside Analysis

Sangwon Cha, Dongkun Lee
Hankuk University of Foreign Studies

TPS12-22 / Isotopically Labelled Girard Reagents for Multiplexed Analysis of Oxysterols and Cholestenic Acids in Plasma and CSF

Peter Crick, T. William Bentley, Ian Matthews, Yubin Wang, William Griffiths
Swansea University

TPS12-23 / Lipid visualisation and identification through collision cross section aided correlation of MALDI imaging and MS/MS fragmentation data sets.

Mark Towers, Emmanuelle Claude, Johannes Vissers, Paul Murray
Waters Corporation

TPS12-24 / Higher resolution LC-MS and MS-MS analysis of lipid extracts using benchtop Orbitrap-based mass spectrometers and LipidSearch software

Yingying Huang¹, David Peake¹, Reiko Kiyonami¹, Yasuto Yokoi²
¹Thermo Fisher Scientific, ²MITSUI KNOWLEDGE INDUSTRY CO., LTD.

TPS12-25 / Structural studies on sphingolipids –a revisit with LIT MSn with high resolution mass spectrometry

Fong-Fu Hsu
Washington University School of Medicine

TPS12-26 / Application of MALDI-MS for rapid screening of lipid residues in archaeological pottery

Rachel Smith¹, Oliver Craig², Ed Bergström¹, Jane Thomas-Oates¹
¹Department of Chemistry, University of York, ²BioArCh, University of York

TPS12-27 / Lipidomic analysis of spinocerebellar ataxia plasma samples

Alexandre Seyer¹, Alexandre Seyer¹, Samia Boudah², Simon Broudin¹, Céline Ducruix¹, Bruno Corman¹, Fanny Mochel³, Christophe Junot², Benoit Colsch²
¹Profilomic SA, ²Commissariat à l'Energie Atomique, DSV/iBiTec-S/SPI/LEMM, ³Unité Fonctionnelle Neurométabolique, Hôpital La Salpêtrière, Paris

TPS17 - Protein Phosphorylation and other Post-translational Modifications**11:00-15:00****Poster Exhibition, Level -1****TPS17-01 / Complementation of Ti-, Zr- and Fe-based PolyMAC for in-depth phosphoproteome analysis of B cell signaling**

Anton Iliuk¹, Keerthi Jayasundera², Wen-hong Wang², Robert Geahlen², Andy Tao²
¹Tymora Analytical Operations, ²Purdue University

TPS17-02 / Motif-Targeting Quantitative Proteomics for Absolute Phosphorylation Stoichiometry Measurement

Chia-Feng Tsai¹, Chia-Feng Tsai¹, Yi-Ting Wang², Hsin-Yung Yen³, Chih-Chiang Tsou⁴, Wei-Chi Ku⁵, Pei-Yi Lin⁶, Alexey I. Nesvizhskii⁴, Chi-Huey Wong³, Yasushi Ishihama⁷, Yu-Ju Chen⁶
¹Department of Chemistry, National Taiwan University, Taipei, Taiwan, ²Chemical Biology and Molecular Biophysics Program, Taiwan International Graduate Program, Institute of Chemistry, Academia Sinica, Taipei, Taiwan, ³Genomics Research Center, Academia Sinica, Taipei, Taiwan, ⁴Department of Computational Medicine and Bioinformatics, University of Michigan Medical School, Ann Arbor, Michigan, US, ⁵School of Medicine, Fu Jen Catholic University, New Taipei City, Taiwan, ⁶Institute of Chemistry, Academia Sinica, Taipei, Taiwan, ⁷Graduate School of Pharmaceutical Sciences, Kyoto University, Kyoto, Japan

TPS17-03 / N- and O-acetylation of threonine residues in the context of proteomics

Christine Enjalbal¹, Jean-Baptiste Boyer², Alain Dedieu², Jean Armengaud², Gilles Subra³, Pascal Verdié³, Jean Martinez³
¹Institut des Biomolécules Max Mousseron, ²CEA, DSV, IBEB, ³IBMM

TPS17-04 / Unexpected N-glycosylation occurring in hen eggwhite lysozyme at a non-consensus sequon analyzed by complementary LC-MS/MS based methods

Arndt Asperger, Kristina Marx, Christian Albers, Marcus Macht
Bruker Daltonics GmbH

TPS17-05 / Peptide structure analyses using topological mass spectrometry

Yasushi Shigeri, Akikazu Yasuda
National Institute of Advanced Industrial Science and Technology (AIST)

TPS17-06 / Effects of glycation on aspirin-mediated acetylation of human blood proteins.

Francesco Finamore¹, Feliciano Priego-Capote², Pierre Fontana³, Jean-Charles Sanchez¹

¹Translational Biomarker Group (TBG), Department of Human Protein Sciences, University Medical Centre, University of Geneva, 1211 Geneva ⁴, Switzerland., ²Department of Analytical Chemistry, Annex C-3 Building, Campus of Rabanales, University of Córdoba, Spain, ³Division of Angiology and Haemostasis, University Hospitals of Geneva and Geneva Platelet Group, Faculty of Medicine, Geneva, Switzerland.

TPS17-07 / Identification of viral phosphorylation in human immunodeficiency viruses

Hung Trinh¹, David Colquhoun¹, Mangala Rao², David Graham¹

¹Retrovirus lab, School of Medicine, Johns Hopkins University, ²U.S. Military HIV Research Program, Henry M Jackson Foundation for the Advancement of Military Medicine

TPS17-08 / Discrimination between symmetry/asymmetry dimethylation on histone H4R3: their cell cycle dependent dynamics

Takeshi Kawamura¹, Yoko Chikaoka¹, Yuzo Yamazaki², Matthew

Openshaw³, Omar Belgacem³, Kazuki Yamamoto¹, Tatsuhiko Kodama¹

¹The University of Tokyo, ²Shimadzu Corporation, ³Kratos Analytical

TPS17-09 / Simple and reproducible sample preparation for single-shot phosphoproteomics with high sensitivity

Rosa R. Jersie-Christensen, Christian D. Kelstrup, Tanveer S. Batth, Abida Sultan, Jesper V. Olsen

The Novo Nordisk Foundation Center for Protein Research, University of Copenhagen

TPS17-10 / Micro-Arrays for Mass Spectrometry (MAMS): Self-Aliquoting Micro-Array Targets for nLC-MALDI-MS

Martin Pabst¹, Küster Simon¹, Jasmin Krismer¹, Robert Steinhoff¹, Rolf Brönnimann², Jens Boertz³, Gerd Hayenga³, Fabian Wahl³, Petra Dittrich¹, Renato Zenobi¹

¹ETH Zurich, ²EMPA Dübendorf, ³Sigma-Aldrich

TPS17-11 / Ion mobility mass spectrometry and MM conformational search of glycopeptides

Michiko Tajiri¹, Takae Takeuchi², Yayoi Hongo³, Takemichi Nakamura³, Kenji Hirose⁴, Yoshinao Wada¹

¹Osaka Medical Center and Research Institute for Maternal and Child Health, ²Nara Women's University, ³RIKEN, ⁴Nihon Waters K.K.

TPS17-12 / Fully Automatable Multi-Dimensional Liquid Chromatography with Online Tandem Mass Spectrometry for Proteomics and Selected PTMs

Quan Quan, Henry Law, Samuel Szeto, Ivan Chu, Guohui Li
The University of Hong Kong

TPS17-15 / A fast and efficient 3-level method for characterization of N- and O-linked glycosylations

Søren Heissel¹, Morten Ib Rasmussen¹, Erica-Mireille Kabagena¹, Eva Greibe², Ebba Nexø², Peter Højrup¹

¹BMB, SDU, ²Clinical Medicine, Aarhus University

TPS17-17 / Structure characterization and differentiation of biosimilar and reference products using unique combination of complementary fragmentation mechanisms

Zhiqi Hao¹, Chen Li², Shiaw-Lin Wu², David Horn¹, Jonathan Josephs¹

¹Thermo Fisher Scientific, ²BioAnalytix Inc., Cambridge, MA.

TPS17-18 / Phosphoproteomic analysis of methanorarchaeon Methanohalophilus portucalensis FDF1T reveals diverse functions in methanogenesis and osmoadaptation

Wan-Ling Wu¹, Shu-Jung Lai², Jhih-Tian Yang¹, Jeffy Chern¹, Suh-Yuen Liang³, Chi-Chi Chou³, Mei-Chin Lai², Shih-Hsiung Wu¹

¹Institute of Biological Chemistry, Academia Sinica, Taipei 11529, Taiwan, ²Department of Life Sciences, National Chung Hsing University, Taichung 42027, Taiwan, ³Chemical Biology and Molecular Biophysics Program, Taiwan International Graduate Program, Academia Sinica, Taipei 11529, Taiwan

TPS17-19 / Quantification of post-translational modifications of Histones in a single LC-MS/MS Analysis

Karem Gallardo, Andrej Shevchenko, Marc Gentzel

Max Planck Institute of Molecular Cell Biology and Genetics

TPS17-20 / Screening Method for SUMOylation Sites Using HCD on Orbitrap Mass spectrometer

Fu-An Li, Yu-Shing Cheng

INSTITUTE OF BIOMEDICAL SCIENCES

TPS17-21 / High-resolution mass spectrometry for the screening and characterization of protein carbonyl-quenching activities

Mara Colzani, G. Vistoli, M. Carini, G. Aldini

Università degli Studi di Milano

TPS17-22 / Sequential Phosphoproteomic Enrichment through Complementary Metal-Directed Immobilized Metal Ion Affinity Chromatography

Yu-Ju Chen

Institute of Chemistry, Academia Sinica

TPS17-23 / Combining bottom-up and top-down mass spectrometry to characterise the differential phosphorylation of human RIP2 kinase

Luca Signor¹, Erika Pellegrini², Pierre-Andre Klein¹, Stephen Cusack², Elisabetta Boeri Erba¹

¹Institute of Structural Biology, ²European Molecular Biology Laboratory

TPS17-24 / Complete Post-Translational Modification Mapping of Pathogenic *N. meningitidis* Pilins Requires Top-Down Mass Spectrometry

Christian Malosse¹, Joseph Gault¹, Marie-Cecile Ploy², Catherine C. Costello³, Guillaume Duménil⁴, Julia Chamot-Rooke¹

¹Institut Pasteur, ²Limoges University Hospital, ³Boston University Medical School, ⁴INSERM

TPS18 - Ion-Molecule and Ion-Ion Reactions in the Gas-Phase

11:00-15:00

Poster Exhibition, Level -1

TPS18-01 / Efficient gas phase dehydrogenation reactions in MALDI mass spectrometry with novel nitroarene matrices or -additives

Annika Koch, Klaus Dreisewerd, Thorsten W. Jaskolla
University of Münster

TPS18-02 / Reactivity of Hydrated Monovalent First Row Transition Metal Ions M+(H₂O)_n, M = Cu and Zn toward C₆H₅Cl, C₆H₅Br, C₆H₅I and C₃H₇I

Ina Herber, Martin K. Beyer
Institut für Ionenphysik und Angewandte Physik, Universität Innsbruck

TPS18-03 / Revised and expanded scale of the Lithium cation basicities.

Charly Mayeux¹, Jean-François Gal², Peeter Burk¹, Ivani Kaljurand¹, Ilmar Koppel¹, Ivo Leito¹

¹University of Tartu, Estonia, ²University Nice Sophia Antipolis (UMR CNRS 7272), Nice, France

TPS18-04 / Characterization of Ammonium Nitrate Vapor with Flowing Atmospheric-Pressure Afterglow Mass Spectrometry

G. Asher Newsome¹, F. Lucus Steinkamp², Braden C. Giordano³

¹Nova Research, ²U.S. National Research Council, ³U.S. Naval Research Laboratory

TPS18-05 / Chemical Modification of Graphene via Reactive Landing of Hyper-thermal Molecular Ion Beams

Girjesh Dubey, Roberto Urcuyo, Sabine Abb, Gordon Rinke, Marko Burghard, Stephan Rauschenbach, Klaus Kern
Max-Planck-Institute for Solid State Research

TPS18-06 / The molecular and ionic vapor components over the LaI₃ and the La-Lal₃ system

Anatolii Dunaev¹, Dmitry Ivanov¹, Dmitry Sergeev¹, Lev Kudin¹, Michail Butman¹, Karl Kramer²

¹Ivanovo State University of Chemistry and Technology, ²University of Bern

TPS18-07 / Spin-isomers in the gas-phase: reactivity of ferracyclobutadienes

Yvonne Lorenz, Marianne Engeser

University of Bonn Kekulé-Institute for Organic Chemistry and Biochemistry

TPS18-08 / Improving Usability of Gas-Phase Hydrogen/Deuterium Exchange Mass Spectrometry to Study Conformational Changes of Biomolecules

Ulrik H. Mistarz¹, Kim F. Haselmann², Kasper D. Rand¹

¹Department of Pharmacy, University of Copenhagen, Denmark,

²Diabetes Protein Engineering, Novo Nordisk A/S, Måløv, Denmark

TPS18-09 / Ion Intensity and Thermal Proton Transfer Reactions in Matrix-Assisted Laser Desorption/Ionization

I-Chung Lu¹, Chuping Lee¹, Hui-Yuan Cgen¹, Hou-Yu Lin¹, Sheng-Wei Hung¹, Yuri A. Dyakov¹, Kuo-Tung Hsu², Chih-Yu Liao², Yin-Yu Lee², Cheng-Ming Tseng³, Yuan-Tseh Lee¹, Chi-Kung Ni¹

¹AMS, Academia Sinica, ²National Synchrotron Radiation Research Center, Taiwan, ³National Chiao Tung University, Taiwan

TPS18-10 / Manipulating radical reactivity by charge polarity switching in gas phase distonic ions

Stephen Blanksby¹, David Marshall¹, Lifu Ma², Benjamin Kirk³

¹Queensland University of Technology, ²University of Wollongong,

³Lawrence Berkeley National Laboratory

TPS18-11 / Poly-Anion Production in Penning and RFQ Ion Traps

Lutz Schweikhard¹, Lutz Schweikhard², Steffi Bandelow², Franklin Martinez², Gerrit Marx²

¹University of Greifswald, ²Institute of Physics, University of Greifswald

TPS18-12 / A Relative Comparison of Proton Affinities of MALDI Matrices Using Bacteriophage HK97 Head II Capsid

Mark Bier¹, Jonathan Feldman¹, Logan Plath¹, David Sipe¹, Robert Duda², Hendrix Roger²

¹Carnegie Mellon University, ²University of Pittsburgh

TPS18-13 / Supramolecular mass spectrometry: association of MS methods to computational chemistry to access, at a molecular level, systems relevant to host-guest chemistry

Pascal Gerbault, Glenn Carroy, Vincent Lemaire, Julien De Winter, Jérôme Cornil

University of Mons

TPS18-14 / Dianions as strong gas-phase bases

Berwyck Poad¹, Adam Trevitt¹, Stephen Blanksby², Bun Chan³, Leo Radom³

¹University of Wollongong, ²Queensland University of Technology,

³University of Sydney

TPS18-15 / Spectroscopic evidence for a gas-phase librating G-quartet/Sodium ion complex

Caterina Frascchetti¹, [Laura Guarcini](#)¹, Maria Montagna¹, Leonardo Guidoni², Antonello Filippi¹

¹Sapienza-University of Rome, ²University of L'Aquila

TPS18 - TPS20 - Imaging MS - Applications

11:00-15:00

Poster Exhibition, Level -1

TPS20-01 / Study of interactions between reactive gaz species and microorganisms by nano-resolution mass spectrometry imaging

Audinot Jean-Nicolas, [Nicolas Desbenoit](#)

CRP-GL

TPS20-02 / The important role of the matrix (application) in the MALDI MS Imaging procedure.

[Marco Giampà](#)¹, Thomas Patschkowski¹, Jan Kölling², Tim

Nattkemper², Manfred Lissel¹, Michael Becker³, Karsten Niehaus¹

¹Proteome and Metabolome Research, Center for Biotechnology, Bielefeld University, ²Biodata mining, Faculty of Technology, Bielefeld University, ³Bruker Daltonics GmbH

TPS20-04 / Direct Analysis of Animal and Plant Tissues by LAESI-MSI and Ion Mobility for Mapping of Metabolites and Small Proteins

[Matthew Powell](#), Peggi Angel, Brent Reschke, Callee Walsh
Protea Biosciences

TPS20-05 / MALDI/LDI-FTMS imaging of intact plant tissues

[Katsutoshi Takahashi](#)

National Institute of Advanced Industrial Science and Technology

TPS20-06 / Multimodal Imaging Mass Spectrometry for Probing A β -Plaque Pathology in Transgenic Alzheimer's Disease Mice

Jörg Hanrieder¹, Stina Syvänen², Andrew G. Ewing³

¹Chalmers University of Technology, ²Uppsala University, Uppsala,

³Chalmers and Gothenburg University, Gothenburg

TPS20-07 / Development of Quasi-trapping Chemical Ionization Source with VUV Lamp for Online Mass Spectrometry

[Keyong Hou](#), Ping Chen, Lei Hua, Haiyang Li

Key Laboratory of Separation Science for Analytical Chemistry, Dalian Institute of Chemical Physics, Chinese Academy of Sciences

TPS20-08 / Visualization and quantification of brain metabolic fluxes of glucose in the awake mice by mass spectrometry

[Yuki Sugiura](#)

Keio University

TPS20-09 / Brain distribution of selective serotonin reuptake inhibitors in male CD-1GS rats using MALDI-TOF mass spectrometric imaging

[Julius Apuy](#), Yang Tang, Mehran Moghaddam

Celgene Corporation

TPS20-10 / 2D and 3D analyses for the organic thin film using laser desorption ionization.

Takaya Satoh¹, Masahide Shima¹, Hironobu Niimi¹, Yoji Nakajima², Makiko Fujii³, Toshio Seki³, Jiro Matsuo³, Junichi Osuga⁴, [Yoshihisa Ueda](#)¹

¹JEOL Ltd., ²Asahi Glass Co., Ltd., ³Kyoto Univ., ⁴JEOL (EUROPE) SAS

TPS20-11 / Methodology for precise understanding of drug imaging mass spectrometry using Mass Microscope

[Shuichi Shimma](#)¹, Satoko Osawa¹, Yukari Tsubata², Akihisa Sutan², Ryosuke Tanino², Takeshi Isobe², Akinobu Hamada¹

¹National Cancer Center Research Institute, ²Shimane University Faculty of Medicine

TPS20-12 / Exploring the head and neck tumor in situ metabolome by MALDI FT-ICR MSI

[Anna C. Crecelius](#)¹, Lukas Krasny², Franziska Hoffmann³, Günther Ernst³, Dennis Trede⁴, Theodore Alexandrov⁵, Orlando Guntinas-Lichius⁶, Ulrich S. Schubert⁷, Vladimir Havlicek², Ferdinand von Eggeling³

¹Laboratory of Organic and Macromolecular Chemistry, ²Institute of Microbiology, ³Core Unit Chip Application (CUCA), Institute of Physical Chemistry FSU and Institute of Human Genetics, ⁴SCiLS GmbH, ⁵Center for Industrial Mathematics, University of Bremen, ⁶Department of Otorhinolaryngology, Jena University Hospital, ⁷Laboratory of Organic and Macromolecular Chemistry (IOMC), Friedrich Schiller University Jena

TPS20-13 / Evaluation of Distribution of Ingredients in Pharmaceutical Solid Dosage Forms using Time of Flight Secondary Ion Mass Spectrometry

[Tatsuo Koide](#), Noriko Katori, Yukihiro Goda

National Institute of Health Sciences

TPS41 - Gas-phase Ion Fragmentation Mechanisms

11:00-15:00

Poster Exhibition, Level -1

PS41-03 / Propane loss from diethylamines, investigation of the fragmentation mechanism using FT-ICR and sector-field experiments in combination with DFT calculations

Claus Gernert, Sarah Seulen, Jürgen Grotemeyer

Christian Albrechts Universität zu Kiel

PS41-04 / Fragmentation Reaction of Azo Dyes using High Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometry

Martin Clemen, Jürgen Grotemeyer
Christian-Albrechts-Universität zu Kiel

TPS41-05 / Photofragmentation spectra of halogenated methanes in the VUV photon energy range: the role of the halogen atom

Antonella Cartoni¹, Paola Bolognesi², Ettore Fainelli², Lorenzo Avaldi²
¹University of Rome Sapienza, ²CNR-ISM

TPS41-06 / Kinetic energy release and fragmentation pathways of substituted benzeneamines

Sarah Seulen, Jürgen Grotemeyer
Christian-Albrechts-Universität Kiel

TPS41-07 / Exploring the structure and reactivity of metal complexes with ion mobility mass spectrometry and ion/molecule reactions.

Nicole Rijs, Maria Schlangen, Helmut Schwarz
Technical University Berlin

TPS41-08 / Surprising fragmentation of N-substituted N-perfluoroacyl-amino acids

Nino Todua, Anzor Mikaia
National Institute of Standards and Technology

TPS41-09 / N-terminal Charge Derivatization for Discrimination between Leu and Ile in Peptides by High-Energy CID MS/MS Analysis

Masahiro Miyashita¹, Atsushi Kitanaka¹, Ayumi Kubo², Takaya Sato², Michisato Toyoda³, Hisashi Miyagawa¹
¹Graduate School of Agriculture, Kyoto University, ²JEOL Ltd., ³Graduate School of Science

TPS41-10 / Crown ether/fullerene conjugates: ionisation, alkali metal ion affinities and dimerisation

Ina D. Kellner¹, Leanne C. Nye¹, Marc S. von Gernler¹, Jing Li¹, Manolis D. Tzirakis², Michael Orfanopoulos², Thomas Drewello¹
¹Friedrich-Alexander-University Erlangen-Nuremberg, ²University of Crete

TPS41-11 / Ligand-Sphere Chemistry and Sphere-Sphere Interactions of Negatively Charged Alkoxyated Fullerenes

Rolf W. Kirschbaum, Thomas Drewello
Friedrich-Alexander-University Erlangen-Nuremberg

TPS41-12 / The sodium ion affinity sequences of ligated fullerenes, PCBM fullerenes and trimetallic nitride endohedral metallofullerenes

Jakob Hitzberger, Marc von Gernler, Thomas Drewello
Friedrich-Alexander-University Erlangen-Nuremberg

TPS41-13 / Protection of Labile Phosphate Ester Groups by Metal Complexes Reveal Dependence on Charge and Size of Interacting Metals

Frank Kjeldsen, Simon Svane, Thomas J. D. Jørgensen, Christine J. McKenzie
University of Southern Denmark

TPS41-14 / Probing the Mechanism of One-pot Synthesis of the Benzopyranopyrimidines by ESI-MS

Davila Zampieri¹, Bruno R. Vilachã Ferreira², Pedro H. Vendramini², Bruno R. S. de Paula³, Paulo J. P. Moran³, Marcos N. Eberlin²
¹ThoMSon Mass Spectrometry Laboratory, ²ThoMSon Mass Spectrometry Laboratory/University of Campinas, ³LaBioSin/University of Campinas

TPS41-16 / Effect of Tyrosine Position on the Fragmentation Reactions of b3 Ions from Model Tripeptides

Ahmet Emin Atik, Talat Yalcin
Izmir Institute of Technology

TPS41-17 / Collision induced decomposition of AOT5Yb2+: an unexpected intracluster rearrangement

Leopoldo Ceraulo, Serena Indelicato, David Bongiorno, Vincenzo Turco Liveri
University of Palermo

TPS41-18 / Synthesis and characterization of silver(I)-NHC complexes. Mass spectrometrical studies of relative bond dissociation energies.

Melanie Schmidt, Marianne Engeser
University of Bonn Kekulé-Institute for Organic Chemistry and Biochemistry

TPS41-19 / Effect of Basic Amino Acid Residues on the Charged Separation Reactions of Doubly-Protonated Model Heptapeptides

Özge Görgün, Talat Yalcin
Izmir Institute of Technology

TPS41-20 / Probing the Mechanism of Brønsted Acid Catalyzed Azlactone Ring Opening by ESI-MS

Bruno Ferreira¹, Adriane A. Pereira², Pedro P. de Castro², Amanda C. de Mello², Marcos N. Eberlin¹, Giovanni W. Amarante²
¹University of Campinas - UNICAMP, ²Federal University of Juiz de Fora - UFJF

TPS41-21 / Laser-Induced Hydrogen Radical Removal in UV MALDI-MS Allows for the Differentiation of Polyphenol Isomers

Tohru Yamagaki, Kohtaro Sugahara, Takehiro Watanabe, Masaki Tanaka
Suntory Institute for Bioorganic Research

TPS41-22 / Structure and energy dependent ion isomerizations of folates detected using ER-IMS/MSn

Yayoi Hongo¹, Hiroyuki Koshino¹, Shunya Takahashi¹, Takemichi Nakamura¹, Takae Takeuchi²

¹RIKEN, ²Nara Women's University

TPS41-23 / Probing the effect of charge location and polarity on energetics of gas phase distonic ions

David Marshall¹, Ganna Gryn'ova², Michelle Coote², Stephen Blanksby¹

¹Queensland University of Technology, ²Australian National University

TPS41-24 / Heterolytic N-CcCleavage to the N-terminal Side of the Aminoketyl Radical in ECD/ETD

Konstantin O. Zhurov, Matthew D. Wodrich, Yury O. Tsybin

Ecole Polytechnique Fédérale de Lausanne

TPS41-25 / Formation of benzyl carbanion in collision-induced dissociation of deprotonated phenylalanine homologues

Kanako Sekimoto, Natsuki Matsuda, Mitsuo Takayama

Yokohama City University

TPS41-26 / Study of small neutral losses and ion rearrangements on protonated bunodosine 391 and IAA(indole-3-acetic acid)-amino acid conjugates

Hiroyuki Koshino¹, Yayoi Hongo¹, Naomi Muto¹, Shunya Takahashi¹, Kohei Kazuma², Katsuhiro Konno², André J. Zaharenko³

¹RIKEN, ²University of Toyama, ³Butantan Institute

TPS41-27 / Collision induced dissociation of Erythrinian Alkaloids in ESI-MS/MS: experimental and computational studies

Thais Guaratini¹, Denise Brentan da Silva¹, Norberto Pepporine Lopes¹, João Luís Callegari Lopes¹, Ricardo Vessecchi²

¹FCFRP-USP, ²FFCLRP-USP

TPS41-28 / Gas-phase behavior of novel binuclear nickel(II) and cobalt(II) complexes with bridging phosphinato ligands under MALDI and ESI conditions

Vasily Babaev, Ekaterina Trofimova, Ildar Rizvanov, Dmitry Yakhvarov, Oleg Sinyashin

A.E. Arbuzov Institute of Organic and Physical Chemistry of the Russian Academy of Sciences

TPS41-29 / The use of fragmentation und retention patterns of BADGE, BFDGE and their derivatives for detecting related substances without reference compounds

Christoph Czerwenka, Anton Turkowitsch

AGES

TPS41-30 / Monitoring the Oxidative Desulfurization Process of Organic Compounds by FT-ICR

Pedro Henrique Vendramini¹, Marcos A. Pudenzi¹, Heliara D. L. Nascimento¹, Vanessa G. Santos¹, Elias Tessaro¹, Rosana C. L. Pereira², Wagner L. Bastos², Erica T. Morais², Davila Zampieri¹, Bruno R. Vilachã Ferreira¹, Marcos N. Eberlin¹

¹UNICAMP, ²PETROBRAS R&D Center

TPS41-31 / A mass spectrometry and computational study of the competition between intramolecular SNAr and substitution of hydrogen reactions in the gas phase

Witold Danikiewicz, Kacper Blaziak

Institute of Organic Chemistry PAS

TPS41-32 / Identification of diketopiperazine b2-ions from deprotonated peptides

Jos Oomens, Josipa Grzetic, Jonathan Martens, Giel Berden

Radboud University

TPS42 - Forensics and Doping

11:00-15:00

Poster Exhibition, Level -1

TPS42-01 / Simultaneous analysis for forensic drugs in human blood and urine using ultra-high speed LC-MS/MS

Toshikazu Minohata¹, Keiko Kudo², Kiyotaka Usui³, Noriaki Shima⁴, Munehiro Katagi⁴, Hitoshi Tsuchihashi⁵, Koichi Suzuki⁵, Noriaki Ikeda²

¹Shimadzu Corporation, ²Kyushu University, ³Tohoku University Graduate School of Medicine,, ⁴Osaka Prefectural Police, ⁵Osaka Medical Collage

TPS42-02 / Rapid Screening of Adulterated & Counterfeit Products using a Bench-Top High Resolution Mass Spectrometer and mzCloud Database Search

Alexandra Furtos Matei¹, Philippe Lebel², Kate Comstock³, Tim Stratton³, Maroun El Khoury³

¹University of Montreal, Department of Chemistry, ²University of Montreal, ³Thermo Fisher Scientific

TPS42-03 / Highly sensitive analysis of 11-nor-9-carboxy- Δ^9 -tetrahydrocannabinol in hair by micro-pulverized extraction and liquid chromatography/tandem mass spectrometry

Kenji Kuwayama, Tadashi Yamamuro, Kenji Tsujikawa, Hajime Miyaguchi, Tatsuyuki Kanamori, Yuko Iwata, Hiroyuki Inoue

National Research Institute of Police Science

TPS42-04 / Validation of dried-blood-spot analysis for the quantification of drug concentrations in capillary whole blood samples within targeted PAH therapies

Yeliz Enderle, Lukas Witt, Raphael Reinhard, Nicolas Hohmann, Jörg Friedrich, Christoph Markert, Walter Emil Haefeli, Jürgen Burhenne

Heidelberg University Hospital

TPS42-05 / Evaluation of high-throughput automatic explosives trace detection systems using the dry transfer method

Yuichiro Hashimoto¹, Hisashi Nagano, Yasuaki Takada, Hideki Kashima, Masakazu Sugaya, Koichi Terada, Yohei Kawaguchi, Minoru Sakairi Hitachi, Ltd.

TPS42-06 / Development of a Novel Apparatus for Analyzing Minerals in a Single Strand of Hair

Yasuhide Naito

The Graduate School for the Creation of New Photonics Industries

TPS42-07 / Investigations on storage-induced changes of the red blood cell lipidome

Mario Thevis¹, Katja Walpurgis¹, Thomas Piper¹, Volker Wenzel², Wilhelm Schänzer¹

¹German Sport University Cologne, ²Hochschule Furtwangen University

TPS42-08 / MALDI MS Profiling and Imaging of Illicit Drugs in Fingermarks in tandem with Conventional Enhancement Techniques

Robert Bradshaw¹, Stephen Bleay², Malcolm Clench¹, Simona Francese¹

¹Biomedical Research Centre, Sheffield Hallam University, ²Centre for Applied Science and Technology, Home Office UK

TPS42-09 / Mass spectra of some benzodiazepine series drugs and their trimethylsilyl derivatives

Kirill Tretyakov, Anzor Mikaia

National Institute of Standards and Technology

TPS42-10 / Monitoring the distribution of drugs of abuse in longitudinal sectioned hair samples by multi-modal mass spectrometry imaging

Bryn Flinders¹, Eva Cuyper², Ron M.A. Heeren¹

¹FOM Institute AMOLF, ²KU Leuven Toxicology and Pharmacology

TPS42-11 / Semi-untargeted metabolomics approach based on precursor ion scan for metabolic studies: steroid metabolism as a proof of concept

Andreu Fabregat, Josep Marcos, Jordi Segura, Rosa Ventura, Óscar J Pozo

Fundació IMIM

TPS42-12 / Enhanced Confirmation Criteria for Reducing False Positive Rates (FPR) in Toxicology Screening using High Resolution, LC-QToF, Accurate Mass Analysis

Peter Brechlin, Tony Drury, Matthias Szensy

Bruker Daltonics GmbH

TPS42-13 / A fast, reliable automated LC-MSn drug screening solution for clinical research and forensic toxicology

Andrea Kiehne¹, Birgit Schneider¹, Sebastian Goetz¹, Isabelle Buckle², Markus Meyer¹, Jürgen Kempf³

¹Bruker Daltonics GmbH, ²Bruker Daltonics France, ³Institute of Legal Medicine, University Medical Center Freiburg

TPS42-14 / Novel sorbent coated samplers for Trace Chemical Detection by Solid Phase Microextraction Direct Analysis in Real Time (DART) Mass Spectrometry

Brian Musselman¹, Brian Musselman¹, Robert Goguen¹, Joseph Lapointe¹, Fredrick Li², Adam Hall³

¹IonSense, ²Boston University Forensics@bu.edu, ³Northeastern University

TPS42-15 / Analysis of doping agents using ultrafast LCMS/MS with scheduled MRM

Anja Grüning¹, Julia Sander¹, Ute Potyka¹, Stephane Moreau¹, Mikael Levi²

¹Shimadzu Europa GmbH, ²Shimadzu France

TPS42-16 / Atmospheric Solid Analysis Probe-Mass Spectrometry (ASAP-MS) for rapid screening of drugs of abuse in biological fluids

Camilla Liscio, Bryan McCullough, Christopher Hopley
LGC

TPS42-17 / Development of method for GHRPs determination in urine with solid-phase extraction microplates

Irina Zvereva¹, Grigory Krotov¹, Ekaterina Semenistaya¹, Grigory Rodchenkov²

¹Moscow Antidoping centre, ²Rodchenkov

TPS42-18 / HPLC-ESI-MS/MS for the determination the alkaloid content of the stem bark of *Tetrapteryx mucronata*, a Malpighiaceae occasionally used to prepare the ayahuasca

Marcos Queiroz¹, Emerson Queiroz¹, Guillaume Marti¹, Laurence Marcourt¹, Ian Castro-Gamboa², Vanderlan da Silva Bolzani², Jean-Luc Wolfender¹

¹Université de Genève, ²São Paulo State University

TPS42-19 / Solid-Phase Micro Extraction Atmospheric Pressure Chemical Ionization Mass Spectrometry (SPME-APCI/MSn) and its Application in Forensic Toxicology

Lars Müller, Imke Stamme, Michael Pütz

Bundeskriminalamt

TPS42-20 / Controlling the abuse of cobalt in horses

Emmie Ngai Man Ho¹, George H. M. Chan¹, Terence S. M. Wan¹, Peter Curl¹, Christopher M. Riggs¹, Michael J. Hurley¹, David Skyes²

¹The Hong Kong Jockey Club, ²Emirates Racing Authority

TPS42-21 / Rapid analysis of active ingredients in different dosage forms of pharmaceutical products by Desorption Electrospray Ionization Mass Spectrometry (DESI-MS)

Michael Pütz, Christoph Härtel, Imke Stämme, Nathalie Martin
Bundeskriminalamt

TPS42-22 / Use of dynamic bilayer polymer coatings in the trace analysis of controlled substances by capillary electrophoresis-mass spectrometry

Stork Lisa¹, Nathalie Martin², Michael Pütz²

¹Universität Münster, ²Bundeskriminalamt

TPS42-23 / Isolation and mass spectrometric identification of new cannabimimetic designer drugs and related synthesis impurities in 'Spice' products

Sascha Münster-Müller¹, Diana Weigel², Michael Pütz²

¹Fresenius University of Applied Sciences, ²Bundeskriminalamt

TPS42-24 / Detection of methasterone metabolites in human urine, elucidation of their glucuconjugates and excretion kinetics

Bruno Garrido¹, Gustavo Cavalcanti², Monica Padilha², Francisco Radler Aquino Neto²

¹Inmetro, ²UFRJ

TPS42-25 / Quantitation of 23 designer Cathinones in Urine by GC-MS-MS

Chao-Hsin Cheng

Forensic Science Division, Investigation Bureau, Ministry of Justice, Taiwan, R.O.C.

TPS42-26 / Optimization and application of UHPSFC-MS/MS method in screening of doping agents

Lucie Nováková

Univerzita Karlova v Praze, Farmaceutická fakulta v Hradci Kralove

TPS43 - Environmental Analysis

11:00-15:00

Poster Exhibition, Level -1

TPS43-01 / Effluent, surface, ground and drinking water analysis of classical and novel drugs used in cancer treatment: 5-fluorouracil and protein kinase inhibitors

Maria Lamoree¹, Kees Swart¹, Corine Houtman²

¹Institute for Environmental Studies, VU University, ²Het Waterlaboratorium

TPS43-02 / Development of new materials for passive samplers based on porous organogels followed by GC-MS analysis

Eric Leroy¹, Jean-Christophe Garrigues², Sophie Franceschi², Emile Perez², Alexandra Ter Halle²

¹Université Paul Sabatier-Service commun de spectrométrie de masse, ²Université Paul Sabatier, Laboratoire des IMRCP, UMR CNRS 5623

TPS43-03 / Occurrence of endocrine active substances in wastewater and river water collected from the aquatic environment of Taiwan

Pei-Hsin Chou¹, Yi-Po Yeh¹, Kuang-Yu Chen¹, Masanobu Kawanishi², Takashi Yagi²

¹National Cheng Kung University, ²Osaka Prefecture University

TPS43-04 / Identification of chemical structures of polyfluoroalkyl substances in fire extinguishing chemicals by using ultra high resolution mass spectrometry

Atsushi Yamamoto¹, Shiho Kitai², Yasuyuki Zushi³, Shigeki Masunaga⁴, Hideya Kawasaki², Ryuichi Arakawa²

¹Osaka City Institute of Public Health and Environmental Sciences,

²Kansai University, ³National Institute of Environmental Studies, Japan,

⁴Yokohama National University

TPS43-05 / Determination of alkylphenol ethoxylate in textiles and leathers by NPLC and quadrupole orbitrap MS

Nam-Yong Cheong¹, Jung-Eun Ahn², Yoon-Suk Lee³, Seoung-Woon Myung⁴

¹Korea, ²KATRI/Analytical Development Team, ³Euro Science, ⁴Kyonggi University

TPS43-07 / Quantification of TBT by GC-MS/MS in water samples at levels required by the WFD and stability studies of butyltin compounds by using a triple spike approach.

Andres Rodriguez Cea, Pablo Rodriguez-Gonzalez, J. Ignacio Garcia Alonso

University of Oviedo

TPS43-08 / Comparison of different mass spectrometric techniques for the determination of polychlorinated biphenyls by isotope dilution using ³⁷CL-labelled analogues

Lourdes Somoano Blanco¹, Pablo Rodríguez-González¹, Daniel Proefrock², Andreas Prange², J. Ignacio García-Alonso¹

¹University of Oviedo, ²Helmholtz-Zentrum Geesthacht

TPS43-09 / Multi-component quantitative analysis of pharmaceuticals in the environment by UHPLC-MS/MS with on-line SPE

Anja Grüning¹, Julia Sander¹, Ute Potyka¹, Stephane Moreau¹, Mikael Levi²

¹Shimadzu Europa GmbH, ²Shimadzu France

TPS43-10 / Aerobic activated sludge transformation of methotrexate: identification of biotransformation products

Tina Kosjek¹, Noelia Negreira², Ester Heath¹, Miren Lopez de Alda², Damia Barcelo²

¹Jozef Stefan Institute, ²IDAIA-CSIC

TPS43-11 / Determination of endocrine disrupting compounds in water samples by isotope dilution mass spectrometry

Neus Fabregat-Cabello, María Ibáñez, Juan Vicente Sancho, Antoni Francesc Roig-Navarro
Universitat Jaume I. IUPA

TPS43-12 / Ease of Use and Low Detection Limits of a New Dry Sampler for Determination of Vapor Phase and Particulate Isocyanate Derivatives

Jens Boertz, Olga Shimelis, Emily Barrey, Michael Halpenny, Jamie Brown
Sigma-Aldrich

TPS43-13 / Evaluating the performance of advanced waste water treatment steps via quantitative screening of 483 micropollutants using SPE-LC-HRMS

Johanna Otto¹, Bernadette Vogler¹, Fabian Deuber¹, Philipp Longrée¹, Christian Götz², Heinz Peter Singer¹

¹Department of Environmental Chemistry, Eawag, Swiss Federal Institute of Aquatic Science and Technology, Switzerland, ²Envilab AG, Umwelt-, Spuren- und Emissionsanalytik, Mühlethalstrasse 25, 4800 Zofingen, Switzerland

TPS43-14 / Screening and Quantitation of Targeted and Non-targeted Environmental Pollutants in Water Samples

Jianru Stahl-Zeng, Ashley Sage, Harald Moeller, Jean-Pierre Lebreton
AB SCIEX

TPS43-15 / Multiple Solid Phase Microextraction (m-SPME) Coupled with Ambient Mass Spectrometry (AMS) for Rapidly and Accurately Quantifying Trace Emerging Pollutants in p

Jo-Han Chou, Minzong Huang, Jentaie Shiea
National Sun-Yat Sen University

TPS43-16 / Quantification of Arsenolipids in the Certified Reference Material NMIJ 7405-a (Hijiki) Using RP-HPLC-ICPMS and High-Resolution-ESMS

Ronald Glabonjat, Georg Raber, Kenneth B. Jensen, Kevin A. Francesconi
University of Graz

TPS43-17 / Determination of organic pollutants families in environmental samples based on characteristic ions obtained by Electron Impact

Zaharie Moldovan¹, Olivian Marincas¹, Ioana Feher¹, Alfredo Alder²

¹National Institute of Research and Development for Isotopic and Molecular Technology, INCDTIM, ²Swiss Federal Institute of Aquatic Science and Technology, EAWAG, Environmental Chemistry

TPS43-18 / Quantification of micropollutant degradation in the riverbank using a LC-HR MS screening method

Judith Rothardt, Heinz P. Singer, Juliane Hollender
EAWAG, Swiss Federal Institute of Aquatic Science and Technology
Department of Environmental Chemistry

TPS43-19 / Analysis of electronics waste by GC x GC combined with high-resolution mass spectrometry: using exact mass information to explore the data.

Robert Cody¹, Masaaki Ubukata¹, Karl J. Jobst², Eric J. Reiner², Steve Reichenbach³, Qingping Tao⁴, Jiliang Hang⁴, Zhanpin Wu⁵, A. John Dane¹

¹JEOL USA, Inc., ²Ontario Ministry of the Environment, ³University of Nebraska, Lincoln, ⁴GC Image LLC, ⁵Zoex Corporation

TPS43-20 / Marine Microorganisms as a Source of Volatile Organic Carbons and Reactive Aldehydes

Renee Williams, Robert Pomeroy
University of California San Diego

TPS43-21 / Determination of Endocrine Disrupting Chemicals in Drinking Water at Sub ng/L Levels using Direct Injection and Triple Quadrupole Mass Spectrometry

László Tölgyesi¹, Dorothy Yang², Bernhard Wüst², Anabel Fandino²

¹Agilent Technologies Sales & Services GmbH & Co. K, ²Agilent Technologies

TPS43-22 / Non-target and post-target analysis of organic environmental contaminants in river sediments

Lorraine Kay¹, Jonathan B. Byer², Joe Binkley²

¹LECO Instruments UK Ltd., ²Leco Corporation, Saint Joseph (MI)

TPS43-23 / Determination of pcb and screening of environmental pollutants using simultaneous scan and MRM measuring of GC-MS/MS

Stephane Moreau¹, K. Nakagawa², H. Miyagawa², Hendrik Schulte¹

¹SHIMADZU Europa GmbH, ²Shimadzu Corporation

TPS43-24 / An analytical method for environmental pollutants using GCxGC-MS/MS with ultra fast mrm switching mode

Stephane Moreau¹, R. Kitano², M. Hirooka², H. Miyagawa², Hendrik Schulte¹, Y. Zushi³, S. Hashimoto³, K. Tanabe³

¹SHIMADZU Europa GmbH, ²Shimadzu Corporation, ³National Institute for Environmental Studies

TPS43-25 / Characterisation of ofloxacin's transformation products by UHPLC-HRMS after a photocatalytic treatment based on TiO2 nanofibers.

Javier Jimenez Villarin¹, Laura Meschede Anglada², Diego Morillo

Martin², Anna Serra Clusellas², Guillermo Quintás², Aleix Conesa Cabeza², Júlia García Montaño², Encarnación Moyano Morcillo³

¹Hidroquímica Tractaments i Química Industrial, S.L., ²Leitat, Technological Center, ³University of Barcelona

TPS43-27 / Kinetic Parameters of the NO2 / Methane Soot Uptake for Tropospheric Modeling

Vladislav Zelenov¹, Elena Aparina¹, Ella Shardakova¹, Sergey Kashtanov²

¹Talrose Institute for Energy Problems of Chemical Physics of Russian Academy of Sciences, ²Institute for Problems of Chemical Physics of Russian Academy of Sciences

TPS43-28 / Monitoring of glufosinate degradation in rumen fluid using liquid chromatography coupled with tandem-mass spectrometry

Jana Písařčíková¹, Anna Kopčáková², Jaroslav Legáth³, Peter Javorský¹

¹*Slovak Academy of Sciences, Institute of Animal Physiology,*

²*Faculty of Medicine, Pavol Jozef Šafárik University, Slovak Republic,*

³*Department of Pharmacology and Toxicology, University of Veterinary Medicine and Pharmacy, Slovak Republic*

TPS43-35 / Shotgun ecotoxicoproteomics of *Daphnia pulex*: biochemical effects of the anticancer drug tamoxifen at environmentally relevant concentrations

Patrice Waridel¹, Myriam Borgatta², Céline Hernandez¹, Laurent-Arthur Decosterd³, Decosterd³, Manfredo Quadroni¹, Thierry Buclin³, Nathalie Chèvre²

¹*Protein Analysis Facility, University of Lausanne,*

²*Institute of Earth Surface Dynamics, University of Lausanne,*

³*Division of Clinical Pharmacology and Toxicology, Centre Hospitalier Universitaire Vaudois*

TPS43-29 / Microfluidic electrochemical cell with MS detection as tool for the study of the biotransformation of perfumery compounds

Andrea Amantonico¹, Catia Cardoso², Frédéric Begnaud¹

¹*Firmenich SA,* ²*University of Geneva*

TPS43-36 / Isotopic exchange mass spectrometry reveals molecular structure of Natural Organic Matter

Yury Kostyukevich, Alexey Kononikhin, Igor Popov, Eugene Nikolaev
Institute for Energy Problems of Chemical Physics Russian Academy of Sciences

TPS43-31 / Investigation of the effect of air-fuel-equivalence ratio on soot emission from a flame source

Laarnie Mueller¹, Juergen Orasche¹, Gert Jakobi¹, Erwin Karg¹,

Lianpeng Jing², Jürgen Schnelle-Kreis¹, Ralf Zimmermann¹

¹*Helmholtz Zentrum München Deutsches Forschungszentrum für Gesundheit und Umwelt (GmbH),* ²*Jing Ltd*

TPS43-32 / Comparison of electron ionization and vacuum ultraviolet photoionization of atmospherically relevant aerosol components using an aerosol mass spectrometer

Maarten Heringa, Jay Slowik, Andre Prevot, Urs Baltensperger, Patrick Hemberger, Andras Bodi

Paul Scherrer Institut

TPS43-33 / Development and application of analytical method by GC/MS for urban dust analysis

Caroline Franco¹, Michele Fabri de Resende¹, Leonardo de Almeida

Furtado¹, Taila Figueredo Brasil¹, Marcos N. Eberlin², Annibal D. Pereira Netto¹

¹*Fluminense Federal University,* ²*ThoMSon Mass Spectrometry Laboratory/Institute of Chemistry*

TPS43-34 / Determination of monoterpene concentrations in the blood and urine using HS-SPME/GC/MS

Hiroaki Akutsu, Kazuhiro Sumitomo, Shin Kukita, Yoshiaki Sato, Shusei Fukuyama, Shinobu Osanai, Hiroshi Funakoshi, Naoyuki Hasebe,

Masao Nakamura

Asahikawa Medical University

PS00-01 / Francis William Aston: Postcards from Switzerland
Kevin Downard
University of Sydney

WPS21 - New Ionization Techniques

11:00-15:00

Poster Exhibition, Level -1

WPS21-01 / Direct Analysis in Real Time Mass Spectrometry (DART-MS) of irradiated magnesium stearate
Diane Lebeau, Ludovic Beuvier, Manon Cornaton, Muriel Ferry
CEA

WPS21-02 / Low-Pressure Dielectric Barrier Discharge Ionization Source for High Sensitive Analysis of Explosives
Shun Kumano, Masuyuki Sugiyama, Kazushige Nishimura, Hideki Hasegawa, Yuichiro Hashimoto
Hitachi, Ltd.

WPS21-03 / Influence of the target plate material and sample layer thickness on LDI ionization efficiency for C60
Guido Zeegers, Fanny Widjaja, Vladimir Frankevich, Renato Zenobi
ETH Zurich

WPS21-04 / Direct Analysis in Real Time (DART) Mass Spectrometry - Benefits in Organic Synthesis
Michel Rickhaus¹, Udo Burger²
¹Institut of Organic Chemistry / University Basel, ²Shimadzu Schweiz GmbH

WPS21-05 / Ionization efficiency model for multiple charged ions in negative mode ESI-MS
Piia Burk, Anneli Kruve, Karl Kaupmees
University of Tartu

WPS21-06 / Cold Electron for Pulsed Ionization Mass Spectrometers
Hyun Sik Kim, Seung Yong Kim, Mo Yang
Korea Basic Science Institute

WPS21-07 / Wavelength and Fluence Dependence of UV-MALDI-MS with 2,4,6-Trihydroxyacetophenone and Dithranol Matrices for the Analysis of Lipids
Marcel Wiegelmann¹, Jens Soltwisch¹, Klaus Dreisewerd²
¹Institute for Hygiene, Biomedical Mass Spectrometry, University of Münster, Germany; ²Institute for Hygiene, Biomedical Mass Spectrometry, University of Münster, Germany; Interdisciplinary Center for Clinical Research (IZKF) Münster, Germany

WPS21-08 / Super-Heated Electrospray Ionization Mass Spectrometry for Sub-Critical Aqueous Solution
Lee Chuin Chen, Md. Matiur Rahman, Kenzo Hiraoka
University of Yamanashi

WPS21-09 / A New Tool to Predict Thermal Desorption Efficiency Based on Molecular Functional Groups and the Chemistry behind it for High-Throughput LDTD-MS/MS Analysis
Pierre Picard, Serge Auger, Sylvain Letarte, Jean Lacoursière
Phytronix Technologies Inc

WPS21-10 / Orbitrap mass spectrometer with LIFDI and ESI ion sources simultaneously installed on axis
Mathias H. Linden¹, H. Bernhard Linden¹, Alexander Makarov², Mikhail Belov², Maciej Bromirski², Kei Murata³, Zuolun Zhang³, Carolin Sieck³, Todd B. Marder³
¹Linden CMS GmbH, ²Thermo Fisher Scientific GmbH, ³University Würzburg

WPS21-12 / Nanoporous Complex Assisted Laser Desorption Ionization
Masatoshi Kawahata¹, Kazuaki Ohara¹, Tadashi Hyodo¹, Makoto Fujita², Kentaro Yamaguchi¹
¹Faculty of Pharmaceutical Sciences at Kagawa Campus, Tokushima Bunri University, ²Graduate School of Engineering, The University of Tokyo

WPS21-13 / Active Capillary Dielectric Barrier Discharge Ionization: Investigation of the Ionization Mechanism(s)
Jan-Christoph Wolf¹, Luzia Gyr¹, Martin Schaefer², Renato Zenobi¹
¹Department of Chemistry and Applied Biosciences, ETH Zurich, ²Federal Office for Civil Protection, Spiez Laboratory

WPS21-14 / Enhanced screening of environmental pollutants in complex matrices by GCxGC-TOF MS with variable-energy electron ionisation
Laura McGregor¹, Leonhard Pollack¹, Anthony Gravell², Praveen Kutty², Ian Allan³, Nick Bukowski¹, Steve Smith¹, Graham Mills⁴
¹Markes International, ²National Resources Wales, ³Norwegian Institute for Water Research, ⁴University of Portsmouth

WPS21-15 / Sputtering and ionization of biomolecules induced by molecular cluster and noble gas cluster ion beams
Kousuke Moritani, Issei Ihara, Norio Inui, Kozo Mochiji
University of Hyogo

WPS21-16 / Characterization of architectural differences of synthetic polymers using vacuum ionization-ion mobility spectrometry-mass spectrometry
Casey Foley¹, Tarick El-Baba¹, Scott Grayson², Barbara Larsen³, Sarah Trimpin¹
¹Wayne State University, ²Tulane University, ³Dupont

WPS21-17 / Improvement of ionization yields in TOFSIMS using Optimized Charge Compensation and Matrix enhanced ionization

Nicolas Desbenoit, Gilles Frache

Centre de Recherche Public - Gabriel Lippmann

WPS21-18 / Combination of Raman/LIF spectroscopy and laser ablation mass spectrometry

Andreas Bierstedt, Ulrich Panne, Jens Riedel

Federal Institute for Materials Research and Testing

WPS21-19 / The effect of the laser pulse duration in infrared free-liquid MALDI

Aleksandra Michalik¹, Toralf Beitz², Jens Riedel¹, Ulrich Panne¹, Hans-Gerd Löhmannsröben²

¹BAM Federal Institute for Materials Research and Testing, Berlin,

²Physical Chemistry, University of Potsdam

WPS21-20 / Improving the performance of an ultrasonic levitator coupled to API-TOF MS

Carsten Warschat, Arne Stindt, Ulrich Panne, Jens Riedel

BAM Federal Institute for Materials Research and Testing

WPS21-21 / Possible Triplet Ionization Mechanisms in the UV MALDI Matrix 2,4,6 Trihydroxyacetophenone

Richard Knochenmuss¹, Kristopher Kirmess², Gary Blanchard³, Gary Kinsel²

¹Tofwerk, ²Department of Chemistry and Biochemistry, Southern Illinois University at Carbondale, Carbondale, IL. 62901, ³Department of Chemistry, Michigan State University, East Lansing, MI. 48824

WPS21-22 / Electrostatic Spray Ionization: a New Versatile Ambient Ionization Technique

Liang Qiao, Hubert Girault, Elena Tobolkina, Natalia Gasilova
EPFL, Switzerland

WPS22 - Cell Biology and Cellular Pathways

11:00-15:00

Poster Exhibition, Level -1

WPS22-01 / Conformational Analysis of alpha-Synuclein in Membrane Systems Using Traveling Wave Ion Mobility Mass Spectrometry

Shin Jung C. Lee, Hugh I. Kim

POSTECH

WPS22-02 / Understanding the molecular basis of (R/W)9 cell penetrating peptide (CPP) effect on the phenotype of EF cells, a model cell line for Ewing sarcoma.

S  verine Clavier, Sandrine Sagan, G  rard Bolbach, Emmanuelle Sachon

Laboratoire des Biomol  cules UMR 7203 Universit   Pierre and Marie Curie

WPS22-03 / ToF-SIMS analysis of osteoblast-like cells and their mineralized extracellular matrix on strontium enriched bone cements

Julia Kokesch-Himmelreich¹, Matthias Schumacher², Marcus Rohnke¹, Michael Gelinsky², J  rgen Janek¹

¹Institute of Physical Chemistry, Justus Liebig University of Giessen,

²Centre for Translational Bone, Joint and Soft Tissue Research, Technische Universit  t Dresden

WPS22-04 / LC-MS/MS as a tool to study polyamine flux

Merja H  kkinen, Marc Cerrada-Gimenez, Jouko Veps  l  inen, Seppo Auriola, Leena Alhonen, Tuomo Kein  nen

University of Eastern Finland

WPS22-05 / Proteomic analysis of scaffolding protein interaction network by IP- GeLCMS/MS

Maria V. Turkina,   sa Jufvas, Cecilia J  nsson, Meenu Rohini Rajan, Peter Str  lfors

Link  ping University

WPS22-06 / Identification of intracellular platin-protein complexes and their effect towards development of cisplatin resistance

Sandra Kotz¹, Maximilian Kullmann², Anya Kalayda², Ulrich Jaehde², Sabine Metzger³

¹University of Cologne, ²Institute of Pharmacy, Department of Clinical Pharmacy, University of Bonn, ³Cologne Biocenter, University of Cologne

WPS22-07 / Sequestration by IFIT1 impairs translation of non-2'O-methylated capped RNA

Matthias Habjan, Philipp Hubel, Christian H. Eberl, Andreas Pichlmair
Max Planck Institute of Biochemistry

WPS22-08 / Characterizing Mouse Thymus using Imaging Mass Microscope

Masaya Ikegawa¹, Yudai Tsuji¹, Hayato Nishitani¹, Tomoyuki Nakamura², Yumi Matsumoto³, Hideshi Fujiwake³, Kei Tashiro⁴

¹Doshisha University, ²Kansai Medical University, ³SHIMADZU Company, ⁴Kyoto Prefectural University of Medicine

WPS22-09 / MudPIT analysis of Cucumis sativus roots, from plants growth under Fe and/or Mo deficiencies

Anna Maria Agresta¹, Gianpiero Vigani², Dario Di Silvestre¹, Sara Motta¹, Silvia Donnini², Irene Murgia³, Pierluigi Mauri¹

¹*Institute for Biomedical Technologies, Proteomics and Metabolomics Unit - CNR, Italy*, ²*Department of Agricultural and Environmental Sciences - Production, Landscape, Agroenergy, University of Milano, Italy*, ³*Department of Biosciences, University of Milano, Italy*

WPS22-10 / Breaking the chain and cracking the code: interpreting cyclic peptide fragmentation spectra

Catherine Botting, Sally Shirran, Matthew Fuszard, James Naismith, Jesko Koehnke, Andrew Bent, Greg Mann, Emilia Oueis
University of St Andrews

WPS22-11 / Characterization of beta-Arrestin2 Protein Interactions in the Wnt Signaling Network by Label-free Quantitative Mass Spectrometry

Marc Gentzel¹, Verena Dürsch², Andrej Shevchenko¹, Alexandra Schambony²

¹*MPI-CBG*, ²*FAU Erlangen-Nuremberg, Developmental Biology, Erlangen, Germany*

WPS22-13 / Toxicity and adaptive responses of the green algae Chlamydomonas reinhardtii exposed to silver as manifested on the transcriptome, proteome and phenotype

Smitha Pillai, Renata Behra, Holger Nestler, Marc Suter, Laura Sigg, Kristin Schirmer

Eawag, Swiss Federal Institute of Aquatic Science and Technology

WPS22-14 / Stressor-induced proteome alterations in zebrafish: a meta-analysis of response patterns characterized by gel-based and gel-free proteomics

Ksenia Groh, Marc Suter

Eawag, Swiss Federal Institute of Aquatic Science and Technology, Utox

WPS22-15 / Revealing the mystery behind the Epithelial-mesenchymal transition (EMT)

Ayşe Polat Koken, Nurhan Ozlu

Koc University

WPS22-16 / Revealing the structural and spatio-temporal plasticity of the COP9-Signalosome complex using a combination of mass-spectrometry and cell biology approaches

Gili Ben-Nissan¹, Shelly Rozen¹, Maria Gabriella Füzesi-Levi¹, Houjiang Zhou², Michael J. Deery², Kathryn Lilley², Yishai Levin¹, Michal Sharon¹

¹*Weizmann Institute of Science*, ²*Cambridge Centre for Proteomics*

WPS22-17 / Blood Cell Interactions in Atherosclerosis involves the Coordinated Regulation of Multiple Protein Modifications

Juergen Kast, Ru Li, Jiqing Huang, Chengcheng Zhang

University of British Columbia

WPS22-18 / Calculating cell-to-cell metabolic variability using single-cell mass spectrometry

Alfredo Ibanez¹, Florian Buettner², Renato Zenobi¹

¹*ETH Zurich*, ²*Helmholtz Zentrum München*

WPS24 - Trace Gas Analysis of Breath and Food Flavours

11:00-15:00

Poster Exhibition, Level -1

WPS24-01 / Online measurement of volatiles from a liquid flow by PTR-ToF-MS: The case of coffee extraction.

José Antonio Sánchez López¹, Ralf Zimmerman², Chahan Yeretdzian¹

¹*Zurich University of Applied Sciences, Institute of Chemistry and Biological Chemistry, 8820 Wädenswil*, ²*Joint Mass Spectrometry Centre, Chair of Analytical Chemistry, Institute of Chemistry, University of Rostock, D-18059 Rostock*

WPS24-02 / Identification of volatile and semi-volatile compounds in honey by gas chromatography time-of-flight accurate mass spectrometry

Mohammed Moniruzzaman¹, Issac Rodríguez², Maria Ramil², Rafael Cela², Siti Amrah Sulaiman¹, Siew Hua Gan¹

¹*Universiti Sains Malaysia*, ²*University of Santiago de Compostela*

WPS24-03 / Use of High-Resolution Accurate Mass Spectrometry for studying of the changes of the proanthocyanidins during beer brewing process

Martin Dusek, Jana Olšovská

Research Institute of Brewing and Malting, PLC

WPS24-04 / Fast GC-MS/MS Analysis Of Multicomponent Pesticide Residues (360) In Food Matrix

Hendrik Schulte, Stéphane Moreau, Hans-Ulrich Baier

Shimadzu Europa GmbH

WPS24-05 / Merits of fast, high resolution time-of-flight mass spectrometry for the aroma profiling of cheese samples at different maturity levels

Juergen Wendt¹, Thomas Groeger², Ralf Zimmermann²

¹*LECO Instrumente GmbH*, ²*Joint Mass Spectrometry Centre, University of Rostock and Helmholtz Zentrum München*

WPS24-06 / Characterization of Food Products by GC×GC-TOFMS and GC-high resolution TOFMS: A Food “omics” Approach

Lorraine Kay¹, Elizabeth Humston-Fulmer², Joe Binkley², Jeffrey Patrick²

¹*LECO Instruments UK Ltd.*, ²*LECO Corporation, St. Joseph, MI*

WPS24-07 / On-line analysis with PTR-ToF-MS of coffee roasting reveals different flavour formation for coffee from different origins

Alexia N. Gloess¹, Anita Vietri¹, Flurin Wieland¹, Samo Smrke¹, Barbara Schönbächler¹, Jose A. Sanchez-Lopez¹, Sergio Petrozzi¹, Sandra Bongers², Thomas Kozirowski², Chahan Yeretzyan¹

¹ZHAW, ²PROBAT-Werke von Gimborn Maschinenfabrik GmbH

WPS24-08 / The Combining of an Integrated Microfluidic Device with Collision Cross Section Ion Mobility Screening for the Analysis of Pesticide Residues in Food

Séverine Goscinnny¹, Michael McCullagh², David Douce²

¹Scientific Institute of Public Health, ²Waters Corporation

WPS24-09 / Discovery of Pesticide Protomers Using Routine Ion Mobility Screening

Séverine Goscinnny¹, Michael McCullagh², Kieran Neeson²

¹Scientific Institute of Public Health, ²Waters Corporation

WPS24-10 / Determination of vitamin B3 vitamers in milk and milk products by LC-MS SIDA

Kristel Hälvin¹, Allan Vilbaste², Toomas Paalme¹, Ildar Nisamedtinov²

¹Tallinn University of Technology, ²Competence Centre of Food and Fermentation Technologies

WPS24-11 / Proteomic analysis of protein changes in milk products during processing and storage

Thao Le¹, Lotte Larsen¹, Hilton Deeth², John Holland²

¹Aarhus University, ²The University of Queensland

WPS24-12 / Application of a Prototype Microfluidic Device with MS for the Screening of Pesticide Residues in Food Analyses

John Chipperfield¹, Michael McCullagh¹, Severine Goscinnny², David Douce¹, Ramesh Rao¹

¹Waters, ²ISP WIV

WPS24-13 / Breath analysis for diagnostics of gastro-esophageal reflux disease

Patrik Španěl¹, Kseniya Dryahina¹, Jarmila Turzíkova², Jiří Votruba³

¹J. Heyrovsky Institute of Physical Chemistry of the ASCR, ²Paediatric Department, Faculty Hospital Bulovka, Czech Republic, ³First Clinic of Tuberculosis and Respiratory Diseases, General University Hospital in Prague, Czech Republic

WPS24-14 / Wine analysis by FastGC proton-transfer-reaction time-of-flight mass spectrometry

Andrea Romano¹, Lukas Fischer², Jens Herbig², Hugo Campbell-Sills¹, Joana Coulon³, Patrick Lucas⁴, Luca Cappellin¹, Franco Biasioli¹

¹Fondazione Edmund Mach, ²Ionicon Analytik GmbH, ³BioLaffort, ⁴Univ. Bordeaux

WPS24-15 / The Future of Proton-Transfer-Reaction Time-Of-Flight Mass Spectrometry

Lukas Märk¹, Christian Lindinger¹, Alfons Jordan¹, Eugen Hartungen¹, Gernot Hanel¹, Jens Herbig¹, Simone Jürschik¹, Philipp Sulzer¹, Tilmann D. Märk²

¹IONICON Analytik GmbH, ²IONICON Analytik GmbH. / Universität Innsbruck

WPS24-16 / Modified PTR-MS operating conditions for in vitro and in vivo analysis of wine aroma

Jean-Luc Le Quéré¹, Etienne Sémon², Elisabeth Guichard³, Gaëlle Arvisenet⁴

¹INRA - SFC, ²INRA, ³INRA-CSGA, ⁴AgroSup Dijon-CSGA

WPS24-17 / Analyses of volatile metabolites in breath by a combination of thermal desorption, TD, with selected ion flow tube mass spectrometry, SIFT-MS

Kseniya Dryahina¹, Patrik Španěl¹, Alexandr Nemec², Pavel Dřevínek³

¹J. Heyrovsky Institute of Physical Chemistry of the ASCR, ²The National Institute of Public Health, ³University Hospital in Motol

WPS26 - Metabolomics

11:00-15:00

Poster Exhibition, Level -1

WPS26-01 / Highly Standardised, Fast and Easy Determination of 25-hydroxyvitamin D3/D2 by Supported Liquid Extraction and U/HPLC-MS/MS Analysis

Fabio Polato, Ines Zitturi, Daniele Seppi, Therese Koal
BIOCRATES Life Science AG

WPS26-02 / Identification of unknown metabolites in bamboo leaf extracts by a non-targeted metabolomics approach using UHPLC-QTOF MS/MS driven by chemometrics tools

Götz Schlotterbeck, Timm Hettich
FHNW

WPS26-03 / Metabolic Phenotyping of Bile Acids - Standardized quantitative bile acids analysis in human plasma/serum and mouse plasma on different (U)HPLC-MS/MS platforms.

Hai Pham Tuan, Doreen Kirchberg, Ines Zitturi, Fabio Polato, Daniele Seppi, Therese Koal
BIOCRATES Life Sciences AG

WPS26-04 / Primary metabolites ultra Performance HILIC-MS/MS targeted profiling method in IVF culture medium for the assessment of IVF procedure outcome.

Christina Virgiliou¹, Ioannis Sampsonidis¹, Georgiostheodoridis Theodoridis¹, Eleni Gika², Katerina Chatzimeletiou³, Nikolaos Raikos⁴
¹Department of Chemistry, Aristotle University Thessaloniki, Greece, ²Department of Chemical Engineering, Aristotle University Thessaloniki, Greece, ³Section of Reproductive Medicine, First Department of Obstetrics and Gynaecology, Aristotle University Medical School, Papageorgiou General Hospital, Thessaloniki, Greece, ⁴Laboratory of Forensic Medicine and Toxicology, Medical School, Aristotle University, Greece

WPS26-05 / Metabolite profiling study of shikonin's cytotoxic activity in human Huh7 cancer cells.

Helen Gika¹, Angeliki Kyriazou², Christina Virgiliou³, Georgios Mosialos⁴, Evgenia Spyrelli⁵, Vasilios Papageorgiou⁵, Andreana Assimopoulou⁵
¹Aristotle University of Thessaloniki, ²School of Medicine, Aristotle University of Thessaloniki, ³Department of Chemistry, Aristotle University of Thessaloniki, ⁴Department of Biology, Aristotle University of Thessaloniki, ⁵Department of Chemical Engineering, Aristotle University of Thessaloniki

WPS26-06 / Metabolic pathway driven targeted metabolomics – a «quickstep» from mass spectrometric raw data to biologically relevant conclusions

Andrea Kiehne, Aiko Barsch, Verena Tellström, Heiko Neuweiger
 Bruker Daltonics GmbH

WPS26-07 / A novel high resolution MS/MS Human Metabolite Spectral Library enabling rapid and accurate metabolite identification in human metabolomics studies

Andrea Kiehne¹, Zhendong Li², Mingguo Xu², Yiman Wu², Chiao-Li Tseng², Tao Huan², Wei Han², Jaspaul Tatlay², Tran Tran², Aiko Barsch¹, Carsten Baessmann¹, Liang Li²
¹Bruker Daltonics GmbH, ²University of Alberta, Edmonton, Canada

WPS26-08 / Metabolite alteration in epithelial-mesenchymal transition-induced cells using GCMS-based metabolomics

Noriko Iwamoto, Takashi Shimada
 SHIMADZU Corp.

WPS26-09 / A Strategy to Determine Metabolite Elemental Compositions using Isotopic Fine Structure Information from High-Resolution Mass Spectrometry

Eisuke Hayakawa¹, Daisuke Miura¹, Tatsuhiko Nagao¹, Daichi Yukihira¹, Yoshinori Fujimura¹, Kazunori Saito², Katsutoshi Takahashi³, Hiroyuki Wariishi¹
¹Kyushu University, ²Bruker Daltonics K.K., ³National Institute of Advanced Industrial Science and Technology

WPS26-10 / Metabolic soft spot identification workflow: Efficient analyses, review, reporting and storage of accurate mass data using Mass-MetaSite and WebMetaBase

Kirsten Fischer¹, Andreas Brink¹, Vicky Gallant², Blanca Serra³, Luca Morettoni⁴, Fabien Fontaine⁴
¹F. Hoffmann-La Roche Ltd., ²AB Sciex, ³Lead Molecular Design, ⁴Molecular Discovery Ltd.

WPS26-11 / Ion-Mobility-Derived Collision Cross Section as an Orthogonal Measure for Metabolomic Phenotyping

Giuseppe Paglia¹, Scott Geromanos², Lochana Menikarachchi³, J. Will Thompson⁴, Jonathan P. Williams², Hernando J. Olivos², Steven Lai², Robert Plumb², Arthur Moseley⁴, David Grant³, Bernhard Palsson⁵, James Langridge², Giuseppe Astarita²
¹Istituto Zooprofilattico Sperimentale di Puglia e Basilicata, ²Waters Corporation, ³Department of Pharmaceutical Sciences, University of Connecticut, ⁴Duke Proteomics Core Facility, ⁵Systems Biology Research Group, UCSD

WPS26-12 / Untargeted analysis of reactive aldehydes produced by lipid peroxidation using selective derivatisation and detection by LC/HRMS.

Laurent Debrauwer¹, Sylvie Chevolleau¹, Isabelle Jouanin¹, Jerome Molina¹, Nathalie Naud², Oceane Marin², Francoise Gueraud², Fabrice Pierre²
¹INRA Toxalim - AXIOM Platform, ²INRA Toxalim - PPCA team

WPS26-13 / Serum 25-Hydroxyvitamin D Status of Healthy Adults: Results from the Karlsruhe Metabolomics and Nutrition Study (KarMeN)

Ralf Krüger, Alexander Roth, Susanne Bandt, Achim Bub, Bernhard Watzl
 Max Rubner-Institut

WPS26-14 / Negative ion electrospray tandem mass spectrometry of prenylated fungal metabolites from Suillus species (Basidiomycetes)

Jürgen Schmidt¹, Ramona Heinke², Schöne Pia², Norbert Arnold², Ludger Wessjohann²
¹, ²Leibniz Institute of Plant Biochemistry, Weinberg 3, D-06120 Halle/S., Germany

WPS26-15 / Complimentary LC- and GC-Mass Spectrometry Techniques Provide Broader Coverage of the Metabolome

Jean-Baptiste Vincendet, Neil Devenport
 AB SCIEX

WPS26-16 / Green or black what's your favorite? Fast biomarker detection and identification in green and black tea using flow injection and FT-ICR mass spectrometry

Matthias Witt, Aiko Barsch
 Bruker Daltonics GmbH

WPS26-17 / Derivatization and Enantioselective Separation of Sugar Metabolites

Roland Wohlgemuth, Bernhard Schönenberger, Rudi Köhling, Paul Rodwell
Sigma-Aldrich

WPS26-18 / LC-MS Analysis of Gluconate dehydratase-catalyzed Formation of KDG

Roland Wohlgemuth¹, Kohei Matsubara², Rudi Köhling³, Bernhard Schönenberger³, Theresa Kouril², Dominik Esser², Christopher Bräsen², Bettina Siebers², Roland Wohlgemuth³
¹Research Specialties, ²Molecular Enzyme Technology and Biochemistry, University of Duisburg-Essen, ³Sigma-Aldrich

WPS26-19 / UFLC-MS based metabolomic profiling reveals oxidative stress related early biological effects induced by ambient air pollutants exposure in general population

Wang Zhong-hua, Ruiping Zhang, Jing Xu, Yanhua Chen, Yajie Zheng, Jiuming He, Zeper Abliz
Institute of Materia Medica, Chinese Academy of Medical Sciences and Peking Union Medical College

WPS26-20 / Nontargeted Metabolite Profiling Approach to Investigate the Role of Reactive Oxygen Species and Ethylene in Compatible Plant-Pathogen Interaction

Myung Hee Nam¹, Kyoungwon Cho¹, Yuran Kim¹, Soo Jin Wi², Jong Bok Seo¹, Joseph Kwon³, Joo Hee Chung¹, Ky Young Park², Myung Hee Nam¹
¹Korea Basic Science Institute/Seoul Center, ²Sunchon National University/Department of Biology, ³Korea Basic Science Institute/Division of Life Science

WPS26-21 / Integrated metabolomics for urine biomarker discovery of esophageal carcinoma

Jing Xu¹, Yanhua Chen¹, Ruiping Zhang¹, Jingbo Wang², Jiuming He¹, Yongmei Song², Qimin Zhan², Luhua Wang², Zeper Abliz¹
¹Institute of Materia Medica, Chinese Academy of Medical Sciences & Peking Union Medical College, ²Cancer Institute & Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College

WPS26-22 / Metabolite Labeling with Fluorinated Alkyl Chloroformate and Concurrent Liquid Liquid Microextraction for Targeted GC-MS and LC-MS Metabolomics

Petr Simek, Ivana Opekarova, Helena Zahradníčková, Lucie Římnáčková, Petr Husek
Biology Centre, Czech Academy of Sciences

WPS26-23 / Label-free and standard-free quantitative metabolomics approach by using liquid chromatography mass spectrometry

Zhou Zhi¹, Chen Yanhua¹, Yang Wei¹, Zhang Ruiping¹, Song Yongmei², Bi Nan³, Zhan Qimin², Zeper Abliz¹
¹State Key Laboratory of Bioactive Substance and Function of Natural Medicines, Institute of Materia Medica, Chinese Academy of Medical Sciences & Peking Union Medical College, ²State Key Laboratory of Molecular Oncology, Cancer Institute and Cancer Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College, ³Department of Radiation Oncology, Cancer Institute & Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College

WPS26-24 / Study of glucose metabolism in several prostate cancer and normal cell lines using 13C metabolic flux analysis and GC-MS

Mario Fernández Fernández¹, David Hevia Sánchez², Pablo Rodríguez-González³, Pedro González-Menéndez², Rosa M^a Sainz Menéndez², J. Ignacio Garcia Alonso³
¹University of Oviedo, ²University Institute of Oncology (IUOPA), University of Oviedo, ³Department of Physical and Analytical Chemistry, University of Oviedo

WPS26-25 / Detection of betulin and its derivatives from birch

Riikka-Marjaana Räsänen, Jari Yli-Kauhaluoma, Tiina Kauppila
University of Helsinki

WPS26-26 / Enhanced Pharmaceutical Stability Testing Using On-line Electrochemical Reactions Up-front MS

Jean-Pierre Chervet, Agnieszka Kraj
Antec BV

WPS26-27 / Analysis of Isoprenoid Pathway Metabolites by LC-MS

Jens Boertz, Rudolf Köhling, Roland Meier, Bernhard Schönenberger, Roland Wohlgemuth
Sigma-Aldrich

WPS26-28 / Development of a standard protocol for high-throughput metabolomic fingerprinting of urine using FIA- and Nano-ESI coupled with FT-ICR MS

Jean-Claude Tabet¹, Baiyi Xue², Sandra Alves², Jean-Claude Tabet², Richard Cole², Alain Paris³, Benoit Colsh⁴, François Fenaille⁴, Christophe Junot⁴, Estelle Rathahao⁵
¹Université Pierre et Marie Curie, ²UPMC, ³MNHN, ⁴CEA, ⁵INRA

WPS26-29 / Mass spectrometric investigation of biotransformation pattern of palmatine in human hepatocytes

Barbora Papoušková, Jiri Vrba, Jan Vacek
Palacky University

WPS26-30 / A sample preparation protocol for metabolomics studies in Leishmania using gas chromatography-mass spectrometry as analytical tool

Gisele Andre Baptista Canuto¹, Fabiane Dörr², Andre Gustavo Tempone³, Ernani Pinto Junior², Marina Franco Maggi Tavares¹
¹Institute of Chemistry - University of Sao Paulo, ²Faculty of Pharmaceutical Sciences - University of Sao Paulo, ³Adolfo Lutz Institute

WPS26-31 / Identification of human metabolites in urine with a high-quality metabolomics library combined with UHPLC-SWATH-MS/MS analysis

Tobias Bruderer¹, Emmanuel Varesio¹, Eva Duchoslav², Lyle Burton², Ron Bonner², Gerard Hopfgartner¹
¹Life Sciences Mass Spectrometry, University Geneva, Switzerland, ²AB Sciex, Concord, ON, Canada

WPS26-32 / Towards a standardized metabolomics MS/MS databank : advantages and limitations

Jean-Claude Tabet¹, Farid Ichou², Adrian Schwarzenberg², Denis Lesage², Estelle Paris³, Christophe Junot⁴, Jean-Claude Tabet²
¹Université Pierre et Marie Curie,, ²UPMC, ³INRA, ⁴CEA

WPS26-33 / Accurate mass GC-qTOFMS - a novel tool in metabolic flux analysis

Teresa Mairinger¹, Stefan Neubauer², Dinh Binh Chu², Gunda Koellensperger³, Stephan Hann²
¹Austrian Center of Industrial Biotechnology (acib), ²Department of Chemistry, University of Natural Resources and Life Sciences, ³Institute of Analytical Chemistry, University of Vienna

WPS26-34 / Metabolomic study of trans-trans 2, 4-decadienal induced lung lesions in mice by liquid chromatography-mass spectrometry

Chao-Yu Chen¹, Hui-Ling Lee¹, Pinpin Lin², Hao-I Cheng¹, Ming-Hsien Tsai², Hui-Ju Liu²
¹Fu Jen Catholic University, ²National Health Research Institutes

WPS26-35 / Analysis of untargeted MS-based metabolomics data: the metaMS package for R

Pietro Franceschi, Ron Wehrens
 Fondazione E. Mach

WPS26-36 / The potential of two-dimensional chromatography in non-targeted metabolome analysis

Karin Ortmayr¹, Teresa Mairinger², Stefan Neubauer¹, Stephan Hann¹, Gunda Koellensperger³
¹Department of Chemistry, University of Natural Resources and Life Sciences (BOKU) Vienna, ²Austrian Centre for Industrial Biotechnology (acib), Vienna, ³Faculty of Chemistry, University of Vienna

WPS26-37 / HRMS dereplication and MS/MS networking to decipher cryptic metabolite pathways in fungal microorganisms

Pierre-Marie Allard¹, Marija Perisic¹, Florence Mehl¹, Julien Boccard¹, Yung-Sing Wong², Katia Gindro³, Jean-Luc Wolfender¹
¹University of Geneva, ²University of Grenoble, ³Agroscope Changins

WPS26-38 / Identification of two plant sources of red propolis by UHPLC-MS

Begoña Gimenez-Cassina Lopez, Alexandra C.H. Frankland Sawaya
 UNICAMP

WPS26-39 / Localization of Flavonoids Affects Blue Color Expression of Flower Petals

Kohtaro Sugahara, Takehiro Watanabe, Tohru Yamagaki
 Suntory Institute for Life Sciences

WPS26-40 / Metabolomic Analysis of Gingival Crevicular Fluid Using GC/MS

Miho Ozeki¹, Jun Aoki¹, Takeshi Bamba¹, Shuichi Shimma², Takenori Nozaki¹, Shinya Murakami¹, Michisato Toyoda¹
¹Osaka University, ²National Cancer Center Research Institute

WPS26-41 / Analyzing Durable Anti-fungal Resistance Processes in Cereals by Metabolomics Using UHPLC-HR-MS

Rahel Bucher¹, Rainer Böni², Simon Krattinger², Beat Keller², Laurent Bigler¹
¹Department of Chemistry, University of Zurich, ²Institute of Plant Biology, University of Zurich

WPS26-42 / Determination of soybean-derived isoflavones in the rumen fluid by HPLC-MS-TOF

Jitka Kasparovska¹, Ludmila Krizova², Jan Lochman¹, Tomas Kasparovsky¹
¹Masaryk University, Faculty of Science, Department of Biochemistry, ²Department of Animal Nutrition and Quality of Livestock Product, Agriresearch Rapotin Ltd.

WPS26-43 / Identification of an unexpected de novo metabolite from Acinetobacter baylyi ADP1 : a particular challenge for the HRMS and HR/MSn arsenal

Lucille Stuan¹, Christophe Lechaplais¹, Ekaterina Darii¹, Marcel Salanoubat¹, Alain Perret¹, Jean-Claude Tabet²
¹CEA-Genoscope/UMR8030, Evry, France, ²UPMC-IPCM/CSOB/UMR8232, Paris, France

WPS26-44 / Gender-specific metabolic profiling study in patients with myocardial infarction using UPLC/Q-TOF MS

Youngae Jung¹, Jueun Lee², Ju Yeon Park¹, Do Hyun Ryu³, Geum-Sook Hwang⁴
¹Korea Basic Science Institute, ²Korea Basic Science Institute/Sungkyunkwan Univ., ³Sungkyunkwan Univ., ⁴Korea Basic Science Institute/Chungnam University

WPS26-45 / GC-qTOFMS for determination of accurate isotopologue ratios and tandem mass isotopomer ratios for metabolic flux analysis of the central carbon metabolism
Stephan Hann¹, Teresa Mairinger², Dinh Binh Chu¹, Stefan Neubauer¹, Karin Ortmayr¹, Gunda Koellensperger³
¹University of Natural Resources and Life Sciences, BOKU Vienna, ²Austrian Centre of Industrial Biotechnology, ³University of Vienna

WPS26-46 / Characterization of the Hepatocellular Metabolome and its Changes upon Primaquine Exposure Using LC/MS
Sandra Jahn, Emmanuel Varesio, Gérard Hopfgartner
Life Sciences Mass Spectrometry (LSMS), University of Geneva

WPS26-47 / LC-MS of Chiral Hydroxycarboxylic Acids
Roland Wohlgemuth¹, Rudi Köhling², Bernhard Schönenberger², Paul Rodwell²
¹Research Specialties, ²Sigma-Aldrich

WPS26-48 / Dereplication of aporphine, oxoaporphine and protoberberine alkaloids from *Guatteria australis* by ESI IT MS
Carlos Siqueira¹, Hector Siqueira¹, Ana de Souza², Ildenize Cunha¹, Maria Stefanello³, Alexandra Sawaya¹, Marcos Salvador¹
¹UNICAMP, ²Agronomic Institute of Campinas- IAC, ³Federal University of Paraná, DQ-UFPR

WPS26-49 / UHPLC-MS analysis of damage-induced variation in metabolites in species of medicinal plants: *Mikania glomerata* Sprengel and *Mikania laevigata* Schultz
Alexandra Sawaya, Claudia Almeida, Vivian dos Santos
UNICAMP

WPS26-50 / Potential of high resolution mass spectrometry and additional all ion fragmentation mass spectrometry for targeted and untargeted metabolomics
Gert Trausinger¹, Elmar Zügner¹, Lisa Werzer², Gunnar Libiseller¹, Mario Klimacek², Frank Sinner¹, Christoph Magnes¹
¹Joanneum Research Forschungsgesellschaft mbH, ²Graz University of Technology

WPS26-51 / UHPLC-HRMS metabolomics as a tool to decipher complex chemotaxonomic relationships in plants: the case of the Gentianaceae
Adlin Afzan¹, Lise Bréant¹, Jonathan Kissling², Jean-Luc Wolfender¹
¹Phytochimie et Produits Naturels Bioactifs Ecole de Pharmacie Genève Lausanne Section des Sciences Pharmaceutiques Université de Genève, ²Institute of Biology, Evolutionary Botany, University of Neuchâtel, Switzerland

WPS26-52 / A novel approach for acquiring and processing LC-MS metabolomics data
Jim Langridge¹, Giorgis Isaac¹, John Shockcor¹, Giuseppe Astarita¹, Martin Palmer¹, Lee Gethings¹, Andy Borthwick²
¹Waters, ²Nonlinear dynamics

WPS26-53 / Quantitative metabolomics using isotope-labeling, differential analysis and RP-LC-HRMS: Investigation of metabolic perturbations in a cellular model of cancer
Michel Wagner, Leanne Ohlund, Tze Chieh Shiao, Amelie Vezina, Borhane Annabi, Rene Roy, Lekha Sleno
UQAM - Department of chemistry

WPS26-54 / UPLC/MS method for determination of panel of neurotransmitters in rat cerebrospinal fluid: application to the rat model for tauopathy
Andrej Kovac, Zuzana Somikova, Norbert Zilka, Michal Novak
Institute of Neuroimmunology of Slovak Academy of Sciences

WPS26-55 / Influence of mass spectrometry resolution on metabolite coverage in plasma
Lukáš Najdekr¹, David Friedecký¹, Ralf Tautenhahn², Yingying Huang², Jitka Šíroková¹, Tomáš Adam¹
¹Palacky University Olomouc, ²Thermo Fisher Scientific

WPS26-56 / Molecular insight into the postoperative state of diabetic patients
Kamila Syslova¹, Milos Mikoska¹, Marek Kuzma², Petr Kacer¹
¹ICT Prague, ²Institute of Microbiology

WPS26-57 / Metabolomic Profiling of Anionic Metabolites in Oral Cancer Cells by Capillary Ion Chromatography HR/AM Mass Spectrometry
Yingying Huang¹, Junhua Wang¹, Terri Christison¹, Kaori Misuno², Shen Hu², Linda Lopez¹
¹Thermo Fisher Scientific, ²UCLA

WPS26-59 / Large-scale metabolomics & lipidomics to discover biomarkers of healthy aging and personalizing medicine
Thomas Hankemeier
Leiden University

WPS26-60 / Combining Raman microscopy and LESA-HR mass spectrometry to identify and image metabolites produced by *Schizophyllum commune* in fungal co-cultures
Riya C Menezes¹, Marco Kai¹, Christian Matthäus², Aleš Svatoš¹, Jürgen Popp², Erika Kothe³
¹Max Planck Institute for Chemical Ecology, ²Leibniz Institute of Photonic Technology e.V., ³Institute of Microbiology, Friedrich-Schiller-University

WPS26-61 / Molecular Diversity and Body Distribution of Saponins in the Sea Star *Asterias rubens* by Mass Spectrometry
Marie Demeyer, Pascal Gerbaux
University of Mons

WPS26-62 / High Sensitivity Analysis of Metabolites in Serum Using Simultaneous SIM and MRM Modes in a Triple Quadrupole GC/MS/MS

Stephane Moreau¹, Hendrik Schulte¹, Yukihiro Kudo², Kenichi Obayashi², Shuichi Kawana², Haruhiko Miyagawa²
¹SHIMADZU Europa GmbH, ²SHIMADZU Japan

WPS26-63 / Myth Busters: The Truth About Metabolomics & Gas Chromatography-High Resolution Time-of-Flight Mass Spectrometry

Lorraine Kay¹, David E. Alonso², Joe Binkley²
¹LECO Instruments UK Ltd., ²LECO Corporation, St. Joseph, MI

WPS26-64 / Sensitivity improvement in negative mode electrospray ionization mass spectrometry using 2-(2-methoxyethoxy)ethanol (2-MEE) for non-targeted metabolomics

Wendelin Koch¹, Sara Forcisi¹, Rainer Lehmann², Philippe Schmitt-Kopplin¹
¹Helmholtz Zentrum München, ²University Hospital Tübingen

WPS26-65 / Integrated analytical platform including automated Bligh and Dyer extraction and dual-column UHPLC-MS/MS separations for metabolomic analyses of cells extracts

Emmanuel Varesio¹, Sandra Jahn¹, Renzo Piconi², Sandrine Cudré Correia De Almeida¹, Guenter Boehm², Gérard Hopfgartner¹
¹University of Geneva, ²CTC Analytics

WPS26-66 / A combined metaXCMS and automated fragmentation trees alignment approach for rapid characterization of differentially induced metabolites.

Amol Fatangare¹, Kerstin Scheubert², Marco Kai¹, Sebastian Böcker², Aleš Svatoš¹
¹Mass spectrometry research group, Max Planck institute for chemical ecology, Jena., ²Chair for Bioinformatics, Friedrich Schiller University, Jena.

WPS26-67 / Chamomile characterization combining ambient ionization & LC-ESI MS/MS high resolution data for a novel metabolomics approach

Elizabeth Crawford¹, Jaromír Hradecký¹, Eliška Humlová¹, Jana Hajšlová¹
¹Institute of Chemical Technology Prague

WPS27 - Small Molecules – Data Acquisition and Analysis

11:00-15:00

Poster Exhibition, Level -1

WPS27-01 / The porous size effect in functionalized porous silicon surfaces by desorption electrospray ionization mass spectrometry analysis

Nicolas Schwab¹, Moriam Ora², Alessandra Tata², Marcos Eberlin³, Sylvie Morin², Demian Ifa²

¹Department of Chemistry - York University/ Thomson Lab - Unicamp, ²Department of Chemistry/York University, ³Thomson Mass Spectrometry Lab/Unicamp

WPS27-02 / Quantitative analysis of bromate in non-alcoholic beer using ultra performance liquid chromatography-electrospray ionization mass spectrometry

Ibrahim Alsohaimi¹, Mohammad Khan Khan¹, Zeid Allothman¹, Nasser Alqahtani¹, Mu Naushad¹, Mohammad Algamdi², Ahmed Alomary¹

¹King Saud University, ²King Saud University; King Abdulaziz City for Science and Technology

WPS27-03 / Comparison of metabolite formation for CYP specific substrates in human and rat lung S9 using single or pooled incubations.

Anna Abrahamsson¹, Anna-Pia Palmgren¹
AstraZeneca

WPS27-04 / A new UHPLC-MS method to evaluate S/G ratio in lignin

Joao Benhur Mokochinski¹, Giovana A. Bataglion¹, Marcos N. Eberlin¹, Paulo Mazzafera¹, Alexandra C.H.F. Sawaya¹
UNICAMP

WPS27-05 / Towards a high-throughput workflow via the Critical Assessment of Small Molecule Identification (CASMI) 2013 using MetFrag, MetFusion and MOLGEN-MS/MS

Emma Schymanski¹, Michael Gerlich², Christoph Ruttkies², Juliane Hollender¹, Steffen Neumann²

¹Eawag, Swiss Federal Institute of Aquatic Science and Technology, ²IPB

WPS27-06 / Incorporation of a modified Waters APGC system into an open access environment for the rapid, automated analysis of small organic molecules.

Peter Stokes¹, David Parker¹, Jackie Mosely¹
University of Durham

WPS27-07 / Solvent effects on electrospray ionization

Jaanus Liigand¹, Anneli Kruve¹, Ivo Leito¹, Marion Girod², Rodolphe Antoine³

¹Institute of Chemistry, University of Tartu, ²CNRS et Université de Lyon 1, UMR 5280, ISA, Université de Lyon, ³CNRS et Université de Lyon 1, UMR 5306, ILM, Université de Lyon

WPS27-08 / Analysis of crude oil mixtures by Atmospheric pressure photoionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry

Matthias Witt

Bruker Daltonics GmbH

WPS27-09 / Establishing A New Standard in Triple Quadrupole Detection Limits

Michael Ugarov, Anabel Fandino, Michael Flanagan, Na Pi, Lester Taylor, Laszlo Toelgyesi, Thomas Glauner

Agilent Technologies

WPS27-10 / Continuous Complexation of CoCl₂ and Admantane-Based Ligands observed by CSI-MS

Kazuaki Ohara, Masahide Tominaga, Isao Azumaya, Kentaro Yamaguchi

Tokushima Bunri University

WPS27-12 / iElement: New UHRM Signal Handling Approach for More Accurate Elemental Composition Determination

Yet-Ran Chen, Wei-Hung Chang, Yu-Chen Huang

Academia Sinica

WPS27-13 / Solvent free analysis of biphenyl-hydroxyacids by APCI- Direct Insertion Probe-High Resolution Mass Spectrometry (APCI-DIP-TOF-HRMS)

Noemí Cabello, Sofia Arnal, Vanessa Martínez, Joan Gallardo-Donaire, Xueqiang Wang, Ruben Martin

ICIQ (Institute of Chemical Research of Catalonia)

WPS27-15 / Detection and structural characterization of reactive metabolites using liquid chromatography coupled with high resolution mass spectrometry.

Tommaso Miraval, Thomas Pfeifer, Ali Selimi, Carmela Gnerre

Actelion Pharmaceuticals Ltd.

WPS27-16 / Maximizing Efficiency in UHPLC-MS/MS Method Development for multi component analysis

Anja Grüning, Julia Sander, Ute Potyka, Stephane Moreau

Shimadzu Europa GmbH

WPS27-17 / A Rapid LC-hrMS Method for Metabolite Identification Simultaneously to Metabolic Stability Assessment on Microsomes at an Early Screening Stage

Didier Bressac, Emmanuel Hardillier, Olivier Lacombe

Inventiva

WPS27-18 / Routine Targeted Quantitation and Identification of Pesticide Residues using Triple Quadrupole LC-MS/MS and Advanced Scheduling of MRM Transitions

Ashley Sage, Jianru Stahl-Zeng, Harald Moeller, Jean-Pierre Lebreton

AB SCIEX

WPS27-19 / Characterisation of small pharmaceutical molecules by electron-transfer dissociation

Andy Ball¹, Jackie Mosely¹, Anthony Bristow², Martin Sims², Mike Morris³

¹Durham University, ²AstraZeneca, ³Waters

WPS27-20 / A combination of quantitative structure-property relationship and machine learning to predict MALDI efficiency of metabolites

Eisuke Hayakawa, Yukihiro Daichi, Daisuke Miura, Yoshinori Fujimura, Mitsuru Shindo, Hiroyuki Wariishi

Kyushu university

WPS27-21 / High-speed MRM quantification for multiple metabolites in biological samples using parallel UHPLC-MS/MS system with fast electrospray polarity switching

Kyoko Watanabe¹, Emmanuel Varesio¹, Neil Loftus², Gérard Hopfgartner¹

¹Life Sciences Mass Spectrometry, School of Pharmaceutical Sciences, University of Geneva, University of Lausanne, ²Shimadzu Corporation, Manchester

WPS27-22 / Direct analysis of complex impregnation products by thermal solid phase extraction GCMS and low temperature plasma ionization MS

Asger W. Nørgaard, Per Axel Clausen, Peder Wolkoff

The National Research Centre for the Working Environment

WPS27-23 / Mechanism studies of Ullmann-type coupling reactions: ESI-MS Detection of Intermediates by Using an Ionically-Tagged Ligand

Antonion Cesar de Amorim Borges, Jones Limberger, Alessandra

Pazini, Jairton Dupont

UFRGS

WPS27-24 / We have the analyte – but where is the dross? A systematic approach to investigate the matrix removal during sample preparation

Denise Schimek¹, Gunnar Libiseller¹, Alexander Faulland¹, Anton Mautner¹, Kevin A. Francesconi², Reingard Raml¹, Christoph Magnes¹

¹JOANNEUM RESEARCH Forschungsgesellschaft mbH, HEALTH-Institute for Biomedicine and Health Sciences, Graz, Austria, ¹Institute of Chemistry – Analytical Chemistry, University of Graz, Graz, Austria

WPS27-26 / Identification and Quantitation of Designer Drugs in Urine by LC-MS/MS

Sebastian Dresen¹, Dan Blake¹, Adrian Taylor¹, Keith Williams²

¹AB SCIEX, ²LGC Standards

WPS27-27 / Outgas analysis for zeolites by DIP-GC-HR-TOFMS and Complementary Interpretation by NMR and FE-SEM
Junichi Osuga¹, Hiroaki Sasakawa², Yasuaki Yamamoto¹, Dražen Vikić-Topić³, Sandra Pavelić⁴, Krešimir Pavelić⁴
¹JEOL (Europe) SAS, ²JEOL (Europe) UK, ³"Rudjer Boskovic" Institute, ⁴University of Rijeka, Department of Biotechnology

WPS27-28 / Ultrarapid auxin metabolite profiling for high-throughput Arabidopsis mutant screening
Ondrej Novak¹, Ales Pencik¹, Veronika Pilarova², Ruben Casanova Saez¹, Karin Ljung¹
¹Umeå Plant Science Centre, ²Faculty of Pharmacy in Hradec Králové, Charles University

WPS27-29 / Development of Software for Identifying Fungal Species with PLS Analysis of SPME GC/MS and IMS Data of Microbial Volatile Organic Compounds
Takae Takeuchi¹, Shoko Ichii², Tomoko Kimura², Yoshitaka Nakamura³, Toshiki Sugai⁴, Takahito Suzuki², Tomohiro Akashi⁵
¹Nara Women's University/Department of Chemistry, Faculty of Science, ²Nara Women's University, ³DYNACOM Co., Ltd., ⁴Toho University, ⁵Nagoya University

WPS27-30 / Deiodination of iodinated aromatic compounds with electrospray ionization mass spectrometry
Erlend Hvattum¹, Hanno Priebe²
¹GE Healthcare, ²University of Oslo

WPS27-31 / Mass spectrometric studies of free radiolyzed amino acids and in analogous meteoritic matrix
Cristina Cherubini¹, Ornella Ursini¹, Franco Cataldo², Susana Iglesias-Groth³, Maria Elisa Crestoni⁴, Giancarlo Angelini¹
¹CNR, ²Actinium Chemical Research, ³Instituto de Astrofísica de Canarias, ⁴Department of Drug Chemistry and Technologies

WPS27-32 / The importance of matrix effect investigations in human biological matrices for accurate and sensitive quantification of polyphenols with LC-ESI/MS/MS
Melanie Mülle¹, Petra Högger
 Universität Würzburg, Institut für Pharmazie und Lebensmittelchemie

WPS27-33 / Matrix effect correction in drug analysis for a LC-TOF platform using post column infusion
Oskar Gonzalez¹, Michael van Vliet², Carola Damen², Rob J. Vreeken², Thomas Hankemeier²
¹Division of Analytical Biosciences, Leiden Academic Centre for Drug Research, Leiden University/ Analytical Chemistry Department, Faculty of Science and Technology, University of the Basque Country (UPV/EHU), ²Division of Analytical Biosciences, Leiden Academic Centre for Drug Research, Leiden University

WPS27-34 / Improving resolving power for complex reactive and instable gas mixtures by combining tunable synchrotron radiation with advanced mass spectrometric techniques
Arnas Lucassen
 Sandia National Labs

WPS27-35 / A Gas Chromatography High Resolution Time-of-Flight Mass Spectrometry Method to Characterize and Semi-Quantify Constituents in Aerosol Fractions
Philippe Guy, Eric Dossin, Pierrick Diana, Elyette Martin, Aurelien Monge, Pavel Pospisil, Mark Bentley
 Philip Morris

WPS28 - Biomolecular Conformation in the Gas-Phase and in Solution

11:00-15:00

Poster Exhibition, Level -1

WPS28-01 / Porbing Structural Dynamics of Intrinsically Disordered Proteins in Heterogeneous Systems from Solution to the Gas Phase
Hugh Kim, Shin Jung Lee
 Pohang University of Science and Technology

WPS28-02 / Further development of decomposition method of charge-state distributions of biopolymer ions produced by electrospray ionization of solutions
Valerii Raznikov¹, Marina Raznikova²
¹The Branch of Talrose Institute for Energy Problems of Chemical Physics of Russian Academy of Sciences, ²Institute of Problems of Chemical Physics of Russian Academy of Sciences

WPS28-03 / Acid-induced Expansion of Lysozyme Structure during Electrospray Ionization
Jong Wha Lee, Hugh Kim
 Pohang University of Science and Technology

WPS28-04 / Characterisation of immunoassay antibody-antigen interactions: ion mobility mass spectrometry as a potential tool
Kate Groves, Caroline Pritchard, Milena Quaglia, Sabine Biesenbruch
 LGC

WPS28-05 / Complexes of nucleic acid bases with polyethylene glycol oligomers: from solution to the gas phase
Marina Kosevich¹, Valentina Zobnina¹, Vitaliy Chagovets², Oleg Boryak¹
¹B. Verkin Institute for Low Temperature Physics and Engineering of the National Academy of Sciences of Ukraine, ²University of Pardubice, Czech Republic

WPS28-06 / Simultaneous protein N- and C-termini identification using tandem mass spectrometry, isotope labelling and database searches.
Michael Thorsen, Janne Thøgersen
 DuPont

WPS28-07 / An Improved HDX MS System for online Digestion, Separation and Data Analysis

Jing Fang, Ying Qing Yu, Michael Eggertson, Keith Fadgen, Asish Chakraborty, Weibin Chen, Rose Lawler, David Lascoux
Waters Corp.

WPS28-08 / Differentiation of topoisomeric peptides by ion mobility - mass spectrometry

Helene Lavanant¹, Kevin Jeanne Dit Fouque², Séverine Zirah³, Julian Hegemann⁴, Marcel Zimmermann⁴, Mohamed Marahiel⁴, Sylvie Rebuffat³, Carlos Afonso²

¹Normandie Univ, ²Normandie Univ; COBRA, UMR6014 et FR3038; Université de Rouen; INSA Rouen; CNRS, ³National Museum of Natural History, ⁴Philipps-University Marburg

WPS28-09 / Chemical Cross-linking and Mass Spectrometry - Tools for Characterization of Conformational Changes in Proteins

Zdenek Kukacka, Michal Rosulek, Petr Novak
Faculty of Science, Charles University in Prague

WPS28-10 / Immobilization of aspartic protease nepenthesin-1 for protein digestion in hydrogen/deuterium exchange mass spectrometry

Petr Halada¹, Alan Kadek¹, Hynek Mrazek¹, Martial Rey², David Schriemer², Petr Man¹

¹Institute of Microbiology, ²University of Calgary

WPS28-11 / Structural analyses of gas phase molecules using different drift gases in a high resolution ion mobility time-of-flight mass spectrometer

Ruwan Kurulugama, Alex Mordehai, George Stafford, John Fjeldsted
Agilent Technologies

WPS28-12 / Real-time native MS to monitor the effect of point mutations, inhibitor or tRNA binding on Tgt subunit exchange and dimer stability

Sarah Cianferani¹, François Debaene¹, Florian Immekus², Tran Xuan Phong Nguyen², Alain Van Dorsselaer¹, Gerhard Klebe²

¹CNRS - IPHC - LSMB, ²Institut für Pharmazeutische Chemie, Philipps-Universität Marburg

WPS28-13 / Behavior of the disordered tail regions of the histone H2A/H2B dimer

Kazumi Saikusa¹, Aritaka Nagadoi², Kana Hara², Sotaro Fuchigami², Hitoshi Kurumizaka³, Yoshifumi Nishimura², Satoko Akashi²

¹Hiroshima University, ²Yokohama City University, ³Waseda University

WPS28-14 / Active Control of Protein Conformation on Surfaces by Hyperthermal Ion-Surface Interaction

Stephan Rauschenbach¹, Gordon Rinke¹, Ludger Harnau², Alyanzen Albarghash¹, Matthias Pauly¹, Klaus Kern¹

¹Max-Planck-Institute for Solid State Research, ²Max-Planck-Institute for Intelligent Systems

WPS28-15 / Controlled Reduction of Disulfide Bonds in Biopharmaceuticals Using an Electrochemical Reactor Cell online with LC/MS

Agnieszka Kraj, Hendrik-Jan Brouwer, Nico Reinhoud, Jean-Pierre Chervet

Antec, Zoeterwoude, The Netherlands

WPS29 - Ambient Ionization and Miniaturization

11:00-15:00

Poster Exhibition, Level -1

WPS29-01 / Functionalized porous silicon surfaces as DESI-MS substrates for small molecules analysis

Nicolas Schwab¹, Moriam O. Ore², Alessandra Tata², Marcos Eberlin³, Sylvie Morin², Demian Ifa²

¹Departament of Chemistry - York University/ Thomson Lab - Unicamp, ²Departament of Chemistry/York University, ³Thomson Mass Spectrometry Lab/Unicamp

WPS29-02 / Investigation of Programmable Temperature Vaporisation as a Sample Introduction Method for Ambient Ionisation MS

Bryan McCullough, David Bell, Camilla Liscio, Christopher Hopley
LGC

WPS29-03 / On-line monitoring of continuous flow chemical synthesis using a portable, small footprint mass spectrometer

Tony Bristow¹, Andrew Ray¹, Anne O'Kearney-McMullan¹, Louise Lim², Bryan McCullough³, Alessio Zammataro⁴

¹AstraZeneca, ²University of Strathclyde, ³LGC Limited, ⁴Microsaic Systems plc

WPS29-04 / Substantial Release of Silicones from Household Items and Baby Articles Analyzed by Direct Analysis in Real Time-Mass Spectrometry

Jürgen Gross
Heidelberg University

WPS29-05 / Towards an Add-on Secondary Electrospray Ionizer for pre-existing API-MS and for high sensitivity analysis of volatiles

César Barrios-Collado¹, Renato Zenobi², Guillermo Vidal-de-Miguel¹

¹ETH Zurich, Department of Chemistry and Applied Biosciences; SEADM. S. L.; Valladolid University, Energy and Fluid Mechanics Engineering Dep., ²ETH Zurich, Department of Chemistry and Applied Biosciences

WPS29-06 / A comparison of ion mobility spectrometry and direct ionisation mass spectrometry for the detection of trace explosives on hand swabs.

Christopher Hopley, Bryan McCullough, Camilla Liscio, David Bell
LGC

WPS29-07 / On-site detection of ecstasy tablets by portable mass spectrometer

Hirofumi Inoue¹, Yukiko Nakazono¹, Yuko Iwata¹, Masuyoshi Yamada², Akihito Kaneko³, Hidetoshi Morokuma³, Shun Kumano², Yuichiro Hashimoto², Fumiyo Kasuya⁴

¹National Research Institute of Police Science, ²Central Research Laboratory, Hitachi, Ltd., ³Hitachi High-Technologies Corp., ⁴Faculty of Pharmaceutical Sciences, Kobegakuin University

WPS29-08 / Thermal Desorption/Electrospray+Atmospheric Pressure Chemical Ionization/Mass Spectrometry for Simultaneously Detecting Polar and Nonpolar Compounds in Complica

Minzong Huang, Siou-Sian Jhang, Jentaie Shiea
National Sun-Yat Sen University

WPS29-09 / Atmospheric pressure vacuum ultraviolet ionization via microplasma ionization sources

Kevin Benham, Joshua Symonds, Facundo Fernandez, Thomas Orlando
Georgia Institute of Technology

WPS29-11 / Mechanistic understanding on factors determining ionization efficiencies of (+) APPI-MS

Sunghwan Kim, Arif Ahmed
Kyungpook National University

WPS29-12 / Alternative ionization methodologies for the broadening of intra-operative applications of rapid evaporative ionization mass spectrometry

Emrys Jones, Julia Balog, Laura Muirhead, Zoltan Takats
Imperial College London

WPS29-13 / Direct-infusion and paper spray ionisation mass spectrometry for high-throughput screening of rapid oak extracts

Ross Farrell¹, Richard Wilson², David Nichols², Michael Breadmore¹, Robert Shellie¹
¹Australian Centre for Research On Separation Science, UTAS, ²Central Science Laboratory, UTAS.

WPS29-14 / Halo-shaped flowing atmospheric pressure afterglow for ambient desorption/ionization mass spectrometry

Kevin Pfeuffer¹, J. Niklas Schaper², Steven J. Ray¹, Gary M. Hieftje¹
¹Indiana University, ²BMW Group, Technical Laboratory, Chemical Analysis

WPS44 - Very Large Biomolecules and Structural Biology**11:00-15:00****Poster Exhibition, Level -1****WPS44-01 / In vivo catabolism of the fusion protein Tetranectin-Apolipoprotein A1 in rabbit**

Manfred Zell¹, Christophe Husser¹, Gregor Jordan², Axel Paehler¹, Roland Staack², Wolfgang Richter¹, Manfred Zell¹

¹F. Hoffmann-La Roche Ltd., Basel, Switzerland, ²Roche Diagnostics GmbH, Penzberg, Germany

WPS44-02 / Ion-mobility mass spectrometry analysis of the conformational conversion of amyloid aggregation

Mei-Chun Tseng¹, Chia-Sui Sun², Chun-Hua Hsu³, Gerard, Chun-Hao Lin⁴, Cindy Y.-H. Wang², Joseph Jen-Tse Huang⁵, Yet-Ran Chen⁶

¹Academia Sinica, ²Department of Chemistry, National Taiwan University, ³Department of Agricultural Chemistry, National Taiwan University, ⁴Institute of Chemistry, Academia Sinica, ⁵Institute of Chemistry, Academia Sinica, ⁶Agricultural Biotechnology Research Center, Academia Sinica

WPS44-04 / Ion-mobility mass spectrometry analysis reveals quaternary structural and conformational changes for thermal-induced activation of thermophilic SNR

Chun-Hua Hsu¹, Fang-Fang Chen¹, Mei-Chun Tseng², Yet-Ran Chen²
¹National Taiwan University, ²Academia Sinica

WPS44-05 / There goes the neighbourhood – Mapping protein proximity in highly complex samples, using chemical cross-linking, LC-MS and novel bioinformatics.

Sanne Grundvad Boelt¹, Morten Ib Rasmussen¹, Anne-Kathrine Vestergaard¹, Gunnar Houen², Peter Højrup¹
¹BMB, SDU, ²Statens Serum Institut

WPS44-06 / A New Cross-Linker targeting Asp/Glu residues

Mariana Fioramonte, Fabio Gozzo
UNICAMP

WPS44-07 / Insights into the interaction between Human Hsp90 C-terminal and Tom70 by chemical-cross-linking and HDX coupled to mass spectrometry

Tatiani Lima¹, Leticia Zanphorlin¹, Alana Figueiredo¹, Tiago Balbuena², Carlos Ramos¹, Fabio Gozzo¹
¹University of Campinas, ²UNESP

WPS44-08 / Cross-linking as a key experimental data in Stanniocalcin-1 structural modeling

Allan Ferrari¹, Aline Monticeli Cardoso², Jörg Kobarg², Tiago Santana Balbuena³, Fabio Gozzo⁴

¹University of Campinas, ²Brazilian Biosciences National Laboratory - LNBio, ³Faculty of Agriculture and Veterinary Sciences - Unesp, ⁴Dalton Mass Spectrometry Laboratory, Chemistry Institute - University of Campinas

WPS44-09 / Native MS and Ion Mobility MS (IM-MS) for Antibody Drug Conjugate Characterization

Sarah Cianferani¹, François Debaene¹, Amandine Boeuf², Elsa Wagner-Rousset², Nathalie Corvaia², Alain Van Dorsselaer¹, Alain Beck²

¹CNRS - IPHC - LSMBO, ²CIPF

WPS44-11 / Native Mass Spectrometry of Reconstituted Human Nucleosome Core Particle

Satoko Akashi¹, Nanako Azegami¹, Kazumi Saikusa², Yasuto Todokoro³, Aritaka Nagadoi¹, Hiroshi Kurumizaka⁴, Yoshifumi Nishimura¹

¹Yokohama City University, ²Hiroshima University, ³Osaka University,

⁴Waseda University

WPS44-12 / Chemical cross-linking and MALDI-MS for the characterization of intact protein complexes

Nha-Thi Nguyen-Huynh¹, Pélagie Fichter², Grigory Sharov², Clément Potel¹, Patrick Schultz², Valérie Lamour², Noëlle Potier¹, Emmanuelle Leize-Wagner¹

¹Laboratoire de Spectrométrie de Masse des Interactions et des Systèmes (LSMIS) - UMR 7140 CNRS/Université de Strasbourg - , ²Département de Biologie Structurale Intégrative - Institut de Génétique et de Biologie Moléculaire et Cellulaire (IGBMC), 67404 Illkirch, France

WPS44-13 / Mass Spectrometric Estimation of the Flexibility of Intact Proteins

Mitsuo Takayama, Keishiro Nagoshi, Ryunosuke Iimuro
Yokohama City University

WPS44-14 / Investigating the familial Parkinson's disease's mutations in DJ-1 and their affect on the 20S proteasome

Almog Spector, Alina Zhuravlev, Oren Moscovitz, Michal Sharon
Weizmann Institute

Thursday, August 28th

PS00-01 / Francis William Aston: Postcards from Switzerland

Kevin Downard
University of Sydney

ThPS32 - Ion Mobility MS

11:00-15:00

Poster Exhibition, Level -1

ThPS32-01 / Comparative study of APCI and MPI/REMPI in atmospheric pressure IMS

Marvin Ihlenborg, Jürgen Grotemeyer
CAU Kiel

ThPS32-03 / Resolution Enhancement in a Multiplexed, High-Pressure Drift Tube IMS-MS

Michael Groessl, Stephan Graf, Richard Knochenmuss
Tofwerk AG

ThPS32-04 / Analysis of Ions Produced By Laser-Desorption Ionization In Air and Liquid – A Theoretical and Experimental Study

Yi-Sheng Wang, Yi-Hong Cai, Yin-Hung Lai
Academia Sinica

ThPS32-05 / Coupling of ion mobility and mass spectrometry as a new alternative for the analysis of pharmaceutical diastereomers

Laurence Queguiner¹, Virginie Domalain², David Speybrouck¹, Marie Hubert-Roux², Eric Arnoult¹, Carlos Afonso², Jérôme Guillemont¹
¹JANSSEN R&D, ²Normandie Univ. UMR6014

ThPS32-06 / A New High Resolution Temperature Regulated Ion Mobility Mass Spectrometer

Jakub Ujma¹, Perdita Barran¹, Kevin Giles², Micheal Morris²
¹University of Manchester, ²Waters

ThPS32-07 / Monitoring of active ingredients release from different delivery systems by GC-IMS

Andrea Amantonico, Laurent Wunsche
Firmenich SA

ThPS32-08 / Ion Mobility-Mass Spectrometry of Linear alcohol ethoxylates

Kristína Slováková, Andreea-Maria Iordache, Karel Lemr
Regional Centre of Advanced Technologies and Materials, Department of Analytical Chemistry, Faculty of Science, Palacky University, Czech Republic

ThPS32-09 / Ion mobility spectrometry of foldamers

Frédéric Rosu¹, Jie Shang¹, Xuesong Li¹, Victor Maurizot¹, Yann Ferrand¹, Ivan Huc¹, Valérie Gabelica²
¹CNRS / Univ. Bordeaux, ²Inserm / Univ. Bordeaux

ThPS32-10 / The Dispersion Characteristics of Lipids in High-Field Asymmetric Waveform Ion Mobility Spectrometry

Benjamin Jenkins, Luke Marney, Zoe Hall, Albert Koulman
MRC-HNR

ThPS32-11 / Pressure-tunable, UV- and IR-laser based ion mobility spectrometer for the determination of ion mobilities and the investigation of laser ionization mechanisms

Daniel Riebe, Alexander Erler, José Villatoro, Aleksandra Michalik, Toralf Beitz, Hans-Gerd Löhmannsröben
University of Potsdam

ThPS32-12 / HPLC-ESI ion mobility spectrometry: Characterization and applications

Martin Zühlke¹, Karl Zenichowski², Toralf Beitz¹, Hans-Gerd Löhmannsröben¹
¹University of Potsdam, ²Knauer GmbH

ThPS32-13 / Direct Sample Ionization and Separation Using a High Kinetic Energy Ion Mobility Spectrometer (HiKE-IMS)

Ansgar Kirk, Jens Langejuergen, Maria Allers, Jens Oermann, Stefan Zimmermann
Leibniz University Hannover Institute of Electrical Engineering and Measurement Technology

ThPS32-14 / “Secondary effects” changing arrival time distribution in ion mobility-mass spectrometry of tyramine-based hyaluronan derivatives

Karel Lemr¹, Martina Hermannová², Andreea-Maria Iordache¹, Kristína Slováková¹, Vladimír Havlíček¹
¹Palacký University, ²Contipro Pharma, a.s.

ThPS32-15 / Differential mobility spectrometry of endogenous peptides: Modifiers effect on ion mobility and selectivity

Jonathan Sidibe, Emmanuel Varesio, Gérard Hopfgartner
University of Geneva

ThPS32-16 / Formation of isomeric ions in collision-induced dissociation process probed by energy-resolved ion mobility tandem mass spectrometry (ER-IMS/MS2)

Takemichi Nakamura¹, Asuka Yamashita², Yayoi Hongo¹, Shunya Takahashi¹, Takae Takeuchi²

¹RIKEN, ²Nara Women's University

ThPS32-17 / Solving Selectivity Challenges in Qualitative and Quantitative Analysis of Drugs and Metabolites

Bertram Nieland, Kaoru Karasawa, Suma Ramagiri, Carmai Seto
AB SCIEX

ThPS32-18 / Rapid quantitation of Substance P in plasma using Differential Mobility Spectrometry and Microflow chromatography

Jason Causon, Daniel Warren, Sushmit Maitra
AB SCIEX

ThPS32-19 / High Resolution IMS-MS and UHPLC-HRMS for the analysis of natural products and complex natural extracts

Antonio Azzollini¹, Michael Groessl², Philippe J. Eugster², Benoit Plet², Davy Guillaume¹, Richard Knochenmuss², Jean-Luc Wolfender¹

¹School of Pharmaceutical Sciences, EPGL, University of Geneva, University of Lausanne, Switzerland, ²Tofwerk AG, Thun

ThPS32-20 / Separation of Lipid Classes, Subclasses and Isobaric/Isomeric Lipids Using a Novel FAIMS Device

Julie Horner, Michael Belford, David Peake, Satendra Prasad, Tina Settineri
Thermo Fisher Scientific

ThPS32-21 / Using Ion Mobility Mass Spectrometry to Identify Multiple Protonation Sites and Different Fragmentation Patterns For The Fluoroquinolone Class of Antibiotics

Michael McCullagh, Sara Stead, Jennifer Burgess
Waters Corporation

ThPS32-22 / Using the Routine Separation Dimension and Identification Criteria of UPLC Ion Mobility to Enhance Specificity in Profiling Complex Samples

M. McCullagh¹, C. A. M. Pereira², J. H. Yariwake², C. Carver¹, D. Douce¹, J. A. Burgess³

¹Waters Corporation, ²Instituto de Química de São Carlos, Universidade de São Paulo, ³Waters

ThPS32-23 / Collision Cross Section a powerful parameter for the identification of pesticides in food

Séverine Goscinnny¹, Michael McCullagh², Kieran Neeson²

¹Scientific Institute of Public Health, ²Waters Corporation

ThPS32-24 / Elucidation of unexpected reaction pathways during synthesis of strained PAH macrocycles by ion mobility mass spectrometry

Wen Zhang, Martin Quernheim, Hans Joachim Räder, Klaus Müllen
Max Planck Institute for Polymer research

ThPS32-25 / Direct visualization of intact protein ion beam focusing transmitted by an ion funnel using a position-sensitive detector at elevated pressure

Tiffany Porta, Shane R. Ellis, Ron M.A. Heeren
FOM Institute AMOLF

ThPS32-26 / Multiplexed IM-QTOF analysis of complex proteomics and metabolomics samples using a real-time dual filtering technique

Ruwan Kurulugama, Bruce Wang, William Frazer, Alex Mordehai, George Stafford, Gregor Overney, Edward Darland, John Fjeldsted
Agilent Technologies

ThPS32-27 / Characterisation of metabolites by utilising Collision Cross Section measurements in conjunction with an integrated microfluidic device

John Chipperfield¹, David Douce¹, Richard Gallagher², Christine Pattison², Kathryn Pickup², Kristin Samuelsson², Mike McCullagh¹

¹Waters, ²AstraZeneca

ThPS32-28 / Photodissociation of trapped ions selected by drift-time separation. IMS-UVPD-MS

Bruno Bellina¹, Jeff Brown², Mike Morris², Isabelle Compagnon³, Perdita Barran¹

¹University of Manchester, ²Waters, ³University Claude Bernard LYON1

ThPS33 - Data Analysis – General

11:00-15:00

Poster Exhibition, Level -1

ThPS33-01 / Adaptive noise smoothing of the mass spectra

Andrey Trubitsyn, Victor Gurov
Ryazan State Radio Engineering University

ThPS33-02 / A new calibration method of vacuum mass spectrometer

Detian Li¹, Meiru Guo¹

¹Company Science and Technology on Vacuum & Cryogenics Technology and Physics Laboratory

ThPS33-03 / The relationship between electron-ionization mass spectra and conformation of (substituted phenyl)ferrocenes

Yutaka Okada
Ritsumeikan University

ThPS33-04 / Analytical application of alkylation for the study of amino acids

Nino Todua, Anzor Mikaia

National Institute of Standards and Technology

ThPS33-05 / Development of ultralow energy (1-10 eV) ion scattering spectrometry coupled with RAIRS and TPD for the investigation of molecular solids

Rabin Rajan J Methikkalam¹, Soumabha Bag², Radha Gobinda Bhuin², Thalappil Pradeep², Luke Kephart³, Jeff Walker³, Kevin Kuchta³, Dave Martin³, Jian Wei³

¹Indian Institute of Technology, Madras, ²DST Unit of Nanoscience (DST UNS), Department of Chemistry, Indian Institute of Technology Madras, India, ³Extrel CMS, LLC, Pittsburgh, USA

ThPS33-06 / Determination of mesoridazine by liquid chromatography–tandem mass spectrometry and its application to pharmacokinetic study in rats

Sohee Im¹, Myoung Joo Park¹, Hyewon Seo¹, Sung Heum Choi¹, Sang Kyum Kim², Sung-Hoon Ahn¹

¹Korea Research Institute of Chemical Technology (KRICT), ²College of Pharmacy, Chungnam National University

ThPS33-07 / A Workflow for Nontarget Screening of Transformation Products formed in Biological Wastewater Treatment using Multivariate Analysis

Jennifer Schollee¹, Emma Schymanski¹, Heinz Singer¹, Richard Ottermanns², Juliane Hollender¹

¹Eawag, Swiss Federal Institute of Aquatic Science and Technology, ²RWTH Aachen, gaiac

ThPS33-08 / The choice for centroid or profile data in high-resolution MS quantification: more than a detail?

Liesbeth Vereyken, Lieve Dillen, Filip Cuyckens

Pharmacokinetics, Dynamics & Metabolism, Janssen R&D, Beerse, Belgium

ThPS33-09 / Development and applications of proton transfer reaction-mass spectrometry for homeland security: trace detection of explosives

Ramón González Méndez¹, Chris Mayhew¹, Peter Watts¹, Fraser Reich²

¹University of Birmingham, ²KORE Technology

ThPS33-10 / Structure characterization of intact monoclonal antibody using Orbitrap Tribrid mass spectrometer

Terry Zhang, David Horn, Jenny Chen, Vlad Zebrouskov, Zhiqi Hao
ThermoFisher

ThPS33-11 / Recent developments of ChemCalc (www.chemcalc.org): an online tool for mass spectrometrists

Luc Patiny, Laure Menin, Michaël Zasso
EPFL

ThPS33-12 / Structure of arene-linked dinuclear ruthenium(II) organometallics–peptide complexes

Laure Menin, laure Menin, Benjamin S. Murray, Luc Patiny, Yury O. Tsybin, Paul Dyson

EPFL

ThPS33-14 / An AMDIS-based GC/MS Procedure for the Rapid Characterization of Algal Liquefaction Products and Process Optimization

Anna Caldwell¹, Christian Richard², John Halket¹

¹King's College London, ²Imperial College London

ThPS33-15 / Cerebrospinal Fluid Proteome of Patients Diagnosed with Alzheimer Disease: Focus on Data Analysis

Payam Emami Khoonsari, Ganna Shevchenko, Martin Ingelsson, Lars Lannfelt, Maria Lönnberg, Jonas Bergquist, Kim Kultima

Uppsala University

ThPS33-17 / New methods of data analysis for FTMS with improved analytical performance

Anton N. Kozhinov, Konstantin O. Nagornov, Konstantin O. Zhurov, Yury O. Tsybin

Ecole Polytechnique Fédérale de Lausanne

ThPS35 - Elemental and isotopics, MS, ICP-MS General, Cultural Heritage and Archeology

11:00-15:00

Poster Exhibition, Level -1

ThPS35-01 / Methods to improve analytical characteristics of monopole mass spectrometers

Michael Dubkov, Michael Burobin, Vladimir Ivanov, Igor Kharlanov
Ryazan State Radio Engineering University

ThPS35-02 / Development of a Certified Reference Material (KRISS CRM 114-01-001) for the Determination of Hazardous Elements in Cosmetics

Sook Heun Kim, Young Ran Lim, Euijin Hwang, Yong-Hyoen Yim
Korea Research Institute of Standards and Science

ThPS35-03 / Simple cobalamin speciation using TLC-DLTV ICP MS

Antonín Bednařík¹, Iva Tomalová¹, Tomáš Vaculovič², Viktor Kanický², Jan Preisler²

¹Masaryk University, ²Masaryk University/CEITEC

ThPS35-04 / Investigation of Sulfur Allotropes with Thermal Analysis – Single Photon Ionization Mass Spectrometry

Janos Varga¹, Michael Fischer¹, Sebastian Wohlfahrt¹, Mohammad R. Saraji-Bozorgzad², Georg Matuschek¹, Thomas Denner³, Armin Reller⁴, Ralf Zimmermann¹

¹Helmholtz Zentrum München, ²Photonion GmbH, ³Netzsch-Gerätebau GmbH, ⁴University of Augsburg Chair of Resource Strategy

ThPS35-05 / Determination of elemental impurities in active pharmaceuticals by single ICP-MS run after prior stabilisation of osmium

Denis Besic¹, Irena Raič¹, Ernest Meštrović¹, Sanda Rončević²

¹PLIVA Hrvatska d.o.o., ²University of Zagreb, Faculty of Science, Horvátovac 102A, Zagreb, Croatia

ThPS35-06 / Coupling of single HPLC separation run to ESI, MALDI and SALD ICP MS for metallothionein characterization

Kateřina Jägerová¹, Iva Tomalová², Kristýna Dlabková², Ondřej Polanský², Viktor Kanický³, Jan Preisler³

¹Masaryk University, ²Department of Chemistry, Faculty of Science, Masaryk University, Brno, Czech Republic, ³Department of Chemistry, Faculty of Science, Masaryk University, Brno, Czech Republic, Central European Institute of Technology (CEITEC), Masaryk University, Brno, Czech Republic

ThPS35-08 / Electrospray Ionisation Mass Spectrometry for the Complexation of Palladium with Thiourea, Benzoylthiourea and N,N-diethyl N'-benzoylthiourea

Suresh Kumar Aggarwal¹, Pranaw Kumar², Jaison P. George², Alamelu D.²

¹Bhabha Atomic Research Centre, ²FCD, BARC

ThPS35-09 / Investigation of Uranyl-Hydroxycarboxylic Acid Complexes by Electrospray Ionization Mass Spectrometry

Suresh Kumar Aggarwal¹, Jaison P. G.², Pranaw Kumar², Vijay M. Telmore³, Alamelu D.³

¹Bhabha Atomic Research Centre, ²FCD, BARC, ³FCD, BARC

ThPS35-10 / A Comparison of Groundwater $\delta^{18}\text{O}$ and Speleothem-derived water $\delta^{18}\text{O}$ isotopes.

Lewis Adler¹, Pauline, C Treble², Karina Meredith², Jon Hellstrom³, Andy Baker¹

¹University of New South Wales, ²Institute for Environmental Research, ANSTO, ³University of Melbourne

ThPS35-11 / Ultra-trace analysis of plutonium isotopes by thermal ionization mass spectrometry with a continuous heating technique without chemical separation

Chi-Gyu Lee¹, Daisuke Suzuki², Fumitaka Esaka², Masaaki Magara², Kyuseok Song¹

¹Korea Atomic Energy Research Institute, ²Japan Atomic Energy Agency

ThPS35-12 / Size distribution of Sulfur, Vanadium and Nickel in four crude oils complete distillation series using GPC ICP HR MS

Alain Desprez¹, Brice Bouyssi  re¹, Carine Arnaudguilhem¹, Gabriel Krier², Lionel Vernex-Loiset², Pierre Giusti³

¹IPREM/LCABIE, ²LCP-A2MC, ³Total Refining and Chemicals

ThPS35-13 / Occurrence and Impact of Doubly Charged Alkaline Earth Argon Ions [MAr]²⁺ in ICPMS.

Bodo Hattendorf¹, Bianca Gusmini¹, Ladina Dorta², R. Sam Houk³, Markus Reiher⁴, Detlef G  nther¹

¹ETH Zurich, Laboratory for Inorganic Chemistry, ²Solvias AG, ³Iowa State University, ⁴ETH Zurich, Laboratory of Physical Chemistry

ThPS35-14 / Development of Simplified Nanoparticle Quantification Protocols

Yong-Hyeon Yim¹, Jung-No Yoon², Sook Heun Kim¹, Myungsub Han¹, Jongwon Kim²

¹KRISS, ²Chungbuk National University

ThPS35-15 / Current evaluation of powder geological samples elemental analysis using laser-ablation inductively coupled plasma mass-spectrometry

Maxim Blokhin¹, Daniel Tabersky², Vladimir Molchanov¹, Evgeny Medvedev¹, Detlef G  nther²

¹Far East Geological Institute (FEGI FEB RAS), ²ETH Zurich

ThPS35-16 / ICP-TOFMS based on iCAP Qc ion source and interface

Martin Tanner

Tofwerk AG, Uttigenstrasse 22, 3600 Thun

ThPS36 - Advanced MS in Food and Nutrition

11:00-15:00

Poster Exhibition, Level -1

ThPS36-01 / Simultaneous analysis of flonicamid and its metabolites in agricultural products by liquid chromatography tandem mass spectrometry

ye ji Lee

Gyeongbuk Branch office of National Agricultural Products Quality Management Service

ThPS36-02 / Phenolic Compounds from the Leaves of Vitis labrusca and Vitis vinifera L. as a Source of Waste Byproducts: Validation of LC Method and Antichemotactic Activity

Roger Dresch, Maria Dresch, Aline Guerreiro, Renata Biegelmeyer, Maribete Holzschuh, Douglas Rambo, Am  lia Henriques

Faculdade de Farm  cia - UFRGS

ThPS36-03 / A residual feature of gibberellin in pears using the LC/MS/MS determination

Soon-Kil Cho¹, Ji-Mi Cho¹, Yang-Mo Jeong¹, Jeong-Heui Choi², Jae-Han Shim²

¹National Agricultural Products Quality Management Service,

²Chonnam National University

ThPS36-04 / Confirmatory LC/MS/MS methods for monitoring of feedingstuffs contamination by authorized coccidiostats at carry-over level

Marilena Muscarella¹, Antonio Armentano¹, Pasquale Gallo², Cinzia Civitareale³, Maurizio Fiori³, Paolo Stacchini³

¹Istituto Zooprofilattico Sper. Puglia e Basilicata, ²Istituto Zooprofilattico Sper. del Mezzogiorno, ³Istituto Superiore di Sanit   - Roma

ThPS36-05 / Accurate determination of adulterants in dietary supplements using shotgun high-resolution tandem mass spectrometry

Nathalie Martins-Froment¹, Catherine Claparols¹, Véronique Gilard², Stéphane Balayssac², Rabab Hachem², Myriam Malet-Martino²
¹Université Paul Sabatier Service Commun Spectrométrie de Masse,
²Université Paul Sabatier Groupe de RMN Biomédicale Laboratoire SPCMIB

ThPS36-06 / Development of ID-LC-MS/MS for the Accurate Determination of Ochratoxin and Application to the Certification of Fermented Soybean Paste Reference Material

Byungjoo Kim, Seonghee Ahn
 Korea Research Institute of Standards and Science

ThPS36-07 / Analysis of Stevia Extracts by Ultra Performance Liquid Chromatography coupled with High-Resolution Quadrupole-Orbitrap Mass Spectrometry (UPLC®-HRMS).

Eric Frerot, Nicolas Jeckelmann
 FIRMENICH S.A.

ThPS36-08 / Method Validation for Determination of polycyclic aromatic hydrocarbons in food by GC-MS

Joongoo Lee, Jung Hyuck Suh, Su Yeon Kim, Jung Sik Moon, Hae Jung Yoon
 Ministry of Food and Drug Safety

ThPS36-09 / Surveillance of chloramphenicol residues in milk, eggs and Chicken meat by LCMSMS

Ghadevaru Sarathchandra
 Pharmacovigilance Laboratory for Animal Feed and Food, Directorate Centre for Animal Health Studies, Tamilnadu Veterinary and Animal Sciences University

ThPS36-10 / Structural analyses of marine polyether toxins by means of high-energy CID MS/MS using MALDI SpiralTOF-TOF tandem MS system

Yoshiyuki Itoh¹, Masahiro Hashimoto¹, Yoshihisa Ueda¹, Akihiko Kusai¹, Jun Tamura¹, Junich Osuga², Yuka Hamamoto³, Masatoshi Yamazaki³, Masayuki Satake³
¹JEOL Ltd., ²JEOL Europe SAS, ³Department of Chemistry, School of Science, The University of Tokyo

ThPS36-11 / Liquid Chromatography-Mass Spectrometry and Chemometric Techniques for the Authentication of Natural Extracts using the Compositional Profiles of Polyphenols

Oscar Nuñez¹, Lidia Puigventós², Meritxell Navarro², Érida Alechaga², Javier Saurina², Santiago Hernández-Cassou², Lluís Puignou²
¹University of Barcelona, ²Department of Analytical Chemistry, University of Barcelona

ThPS36-12 / Enhanced reduction of matrix effects using LC-MS/MS with online extraction for the rapid quantitation of antibiotics in milk

Louis Maljers¹, Helen Sun¹, Yann Hebert²
¹Bruker Daltonics Inc., ²Bruker Daltonique S.A.

ThPS36-13 / Determination of protein adducts originating from 1-methoxy-3-indolylmethyl glucosinolate using isotope-dilution UPLC-ESI-MS/MS

Wolfram Engst, Gitte Barknowitz, Mareike Bernau, Hansruedi Glatt
 German Institute of Human Nutrition Potsdam-Rehbrücke

ThPS36-14 / Quantification of Micropollutants in Ground Water with LCMS-8050 - Qualifier and Quantifier ions with different Polarity Modes

Udo Burger, Pascal Looser
 Shimadzu Schweiz GmbH

ThPS36-15 / Screening and Quantitation of About 250 Pesticides in Fruit Juices with Positive/Negative Switching LC/MS/MS

Zicheng Yang¹, Louis Maljers¹, Yann Hebert²
¹Bruker Daltonics Inc., ²Bruker Daltonique S.A.

ThPS36-16 / Comparison of Ionization Techniques for the Analysis of Trace-Level Pyrethroid Insecticides by GC/MS/MS

Ed George¹, Yann Hebert², Muntean Felician¹
¹Bruker Daltonics Inc., ²Bruker Daltonique S.A.

ThPS36-17 / Ultra High Performance LC-QTOF workflow for Multi-Residue Pesticide Screening using Diagnostic Ion Enhanced Confirmation Criteria

Peter Brechlin, Matthias Szesny
 Bruker Daltonics GmbH

ThPS36-18 / Identification of low molecular weight thiols in plants by fluorescence derivatization and LC-MS/MS

Marta Fabrega Prats¹, Anna Rita Trentin¹, Antonio Masi¹, Stefano Dall'Acqua²
¹University of Padua dept. DAFNAE, ²University of Padua/ dept. Pharmaceutical and Pharmacological Scienze

ThPS36-19 / Screening Of Toxic Natural Substances in Herbal Products by Liquid Chromatography-Coupled Quadrupole Tandem Mass Spectrometry

Yi Ling Quek, Yun Zeng, Chee Leong Kee, Xiao Wei Ge, Min Yong Low
 Health Sciences Authority

ThPS36-20 / Determination of Collision Cross-Section and Analysis of Isomeric Vitamin K1 Using Electrospray Ion Mobility Time-of-Flight Mass Spectrometry

Peng Xiao, Hongmei Li
 National Institute of Metrology, P.R.China.

ThPS36-21 / Residue patterns of flonicamid and its metabolites in paprika cultivated using manually pulled trolley sprayer

Seung hwa Lee¹, Ji eun Chun², Ki bum Lee², Eul chul Hwang³

¹National agricultural products quality management service, Gyeongnam provincial office, ²Gyeongnam provincial office, National agricultural products quality management service, ³College of natural resources and life science, Dong-A University

ThPS36-22 / GC-MS/MS and LC-MS/MS

Despina Tsipi, Helen Botitsi

GENERAL CHEMICAL STATE LABORATORY

ThPS36-23 / Demonstration of Two-Dimensional Liquid Chromatography for the Elimination of Matrix Effects in the Food Analysis

Seok-Won Hyung¹, Byungjoo Kim²

¹Korea Research Institute of Standards and Science, ²KRISS

ThPS36-24 / Development of a rapid method for the analysis of anabolic steroids and stilbenes in bovine muscle using liquid chromatography tandem mass spectrometry

Maxim Yunin¹, Pavel Metalnikov², Alexander Komarov², Alexander Panin²

¹FGBU VGNKI, ²The Russian State Centre for Quality and Standardization of Veterinary Drugs and Feed

ThPS36-25 / Quick and sensitive analysis of multiclass veterinary drug residues in animal products using a benchtop Orbitrap mass spectrometry system

Olaf Scheibner¹, Maciej Bromirski², Markus Kellmann², Sebastian Westrup³, Charles Yang⁴

¹Thermo Fisher Scientific, ²Thermo Fisher Scientific, Bremen, Germany, ³Thermo Fisher Scientific, Dreieich, Germany, ⁴Thermo Fisher Scientific, San Jose, CA, USA

ThPS36-26 / Eliminating matrix effects during multi-residue pesticide analysis by extensive dilution using the high-sensitive 6495 triple quadrupole MS

Dan-Hui Dorothy Yang, Thomas Glauner, Bernhard Wuest, Anabel Fandino, Na Parra, Lester Taylor
Agilent Technologies Inc.

ThPS36-27 / Investigation of nicotine contents of chamomile samples by HPLC/TOF-MS method

László Lelik, Bonifác Komáromi, Márta Nádosi, Katalin Nemes
Corvinus University of Budapest

ThPS36-28 / Determination of 8 Estrogens in Milk by the 1290 UHPLC and Highly Sensitive 6495 Triple Quadrupole Mass Spectrometer

Dan-Hui Dorothy Yang, Jian-Zhong Li, Bernhard Wuest
Agilent Technologies Inc.

ThPS36-29 / Multi-residue method for the determination of 262 pesticides in crops by gas chromatography- mass spectrometry

Eunjung Kim, Sun-Ok Choi, Seongsoo Park, Mi-Jung Noh, Sooyeon Kim, Yong-Woo Shin, Keunhwa Choi, Sun-Ae Kang, Seung-Hoon Yeo, Chul-Joo Lim

Gyeongin MFDS

ThPS36-31 / Vitamin B complex detection in infant formula by LC/MS/MS

Jianru Stahl-Zeng, Ashley Sage, Harald Moeller, Jean-Pierre Lebreton
AB SCIEX

ThPS36-32 / HPTLC combined with ambient mass spectrometry: Current trends in food & natural product analysis

Elizabeth Crawford¹, Brian Musselman¹, Jason Shepard²

¹IonSense, Inc., ²Department of Chemistry, University at Albany

ThPS36-34 / Multi-residue screening method of 47 veterinary drugs in fishery products by ultra performance liquid chromatography-tandem mass spectrometry

Su-Jeong Park, Jin-Sook Kim, Jae-Sang Song, So-young Hwang, Bo-Kyung Choi

Ministry of Food and Drug Safety (MFDS), Seoul Regional FDA

ThPS36-35 / Proton-Transfer-Reaction Mass Spectrometry for the study of the aromatic impact of yogurt starter cultures

Andrea Romano¹, Elisabetta Benozzi¹, Giuseppe Spano², Tilmann Maerk³, Vittorio Capozzi², Luca Cappellin¹, Franco Biasoli¹

¹Fondazione Edmund Mach, ²Università di Foggia, ³Leopold-Franzens Univ. Innsbruck

ThPS36-36 / MSE strategy for characterization of phenolic compounds

María Ramirez-Ambrosi, Blanca Gallo Hermosa, Beatriz Abad-Garcia, Maria Vitoria-Bernal, Sergio Garmon- Lobato, Luis Ángel Berrueta
Euskal Herriko Unibertsitatea (UPV/EHU)

ThPS36-37 / Analysis of 200+ Pesticides in a Short LC Run Using Non-Timed SRMs on Triple Quadrupole Mass Spectrometer

Jia Wang, Charles Yang, Jonathan Beck, Jennifer Massi, Dipankar Ghosh, Mary Blackburn
Thermo Fisher Scientific

ThPS36-38 / The structural identification of cereal-based arabinoxylooligosaccharides by ESI-MSn

Minna Juvonen, Markus Kotiranta, Jouni Jokela, Päivi Tuomainen
University of Helsinki

ThPS36-39 / Fast SRM Transition Speeds for High Sensitivity, High Capacity and Selective Multi-Residue Pesticide GC-MS/MS Analysis

Paul Silcock, David Steiniger, Cristian Cojocariu, Jason Cole
Thermo Fisher Scientific

ThPS36-40 / Enhanced aroma profiling by GC-TOF MS with variable-energy electron ionisation

Laura McGregor¹, Leonhard Pollack², Luca Calamai³, Steve Smith¹, Nick Bukowski¹

¹Markes International, ²Markes International GmbH, ³Università degli Studi di Firenze

ThPS36-41 / GC-MS volatile profiles of ground spice from Hungary extracted by HS-SPME compared with distillation techniques

László Lelik, Mariann Csóka, Mária Amtmann, Kornél Korány
Corvinus University of Budapest

ThPS36-43 / Influence of selenium species in aquaculture feeds on the selenium status of farmed rainbow trout

Simon Godin¹, Stéphanie Fontagné-Dicharry², Maité Bueno¹, Philippe Tacon³, Brice Bouyssière¹, Françoise Médale²

¹LCABIE, Université de Pau et des Pays de l'Adour, IPREM UMR CNRS 5254, ²INRA, UR1067 Nutrition, Métabolisme, Aquaculture, ³Lesaffre Feed Additives

ThPS36-44 / Application of HPLC-ESI(+)-CID-MS/MS in MRM mode to determine the evolution profile of pyranoanthocyanins in red wine from Rioja.

Zuriñe Rasines Perea, Blanca Gallo Hermosa, Noelia Prieto Perea, Luis Ángel Berrueta Simal
Euskal Herriko Unibertsitatea (UPV/EHU)

ThPS36-45 / Dispersion of olive oil in aqueous fine bubbles

Masato Kiuchi¹, Masako Iwamatsu¹, Takae Takeuchi²
¹AIST, ²Nara Women's University

ThPS36-46 / Flavonoid profiling of meat products treated with selected plant extracts using HPLC-MS/MS

Virag Sagi-Kiss, Gunter Georg Kuhnle
University of Reading

ThPS36-47 / The Analysis of Horsemeat for the Banned Drug Phenylbutazone

Simon Hird, Tom Griffiths, Richard Ginn
Food and Environment Research Agency

ThPS36-48 / A comprehensive approach of Cognac 'crus' typicity by GC-O and GC-MS analysis of extracts and PTR-MS direct analysis of samples headspace

Jean-Luc Le Quééré¹, Nicolas Malfondet², Pascal Brunerie³
¹INRA - SFC, ²INRA and CR Pernod-Ricard, ³CR Pernod-Ricard

ThPS36-49 / New methods for assessing quality of milk powder using particle size analysis and NIR technique

Hyeo Joong Kim, Chulyoung Kim, Dong Gil Baek, Kyeong Heo, Young Min Ahn, Jae Hwan Lee, Jae Hun Sim
Korea Yakult

ThPS37 - Hyphenated Techniques – Applications

11:00-15:00

Poster Exhibition, Level -1

ThPS37-01 / Monitoring of coccidiostat residues in eggs according to the EU legislation using liquid chromatography tandem mass spectrometry

Anneli Niemi, Seija Berg
Finnish Food Safety Authority Evira

ThPS37-02 / On-line trapping LC-MS for the determination of DEHP metabolites, PFOS and PFOA in breast milk and cord plasma samples from European birth cohorts

Marja Lamoree¹, Jacco Koekkoek¹, Tomáš Trnovec², Greet Schoeters³, Margot Van de Bor⁴, Merete Eggesbø⁵, Juliette Legler¹
¹Institute for Environmental Studies, VU University, ²Slovenska Zdravotnická Univerzita v Bratislave, ³Flemish Institute for Technological Research VITO, ⁴Institute of Health Sciences, VU University, ⁵Norwegian Institute of Public Health

ThPS37-03 / Liquid chromatography with substrate-assisted laser desorption/ionization mass spectrometry for determination of sterols

Blanka Vrbková¹, Jan Preisler¹, Vendula Roblová¹, Edward S. Yeung²
¹Masaryk University, ²Iowa State University

ThPS37-04 / Detailed analysis of lignin cleavage products from electrochemical degradation by high resolution mass spectrometry

Tobias Dier, Verlaine Fossog, Rolf Hempelmann, Dietrich Volmer
Universität des Saarlandes

ThPS37-05 / Rapid characterization of crude oils by thermogravimetry coupled to fast modulated gas chromatography-single photon ionization time-of-flight mass spectrometry

Sebastian Wohlfahrt¹, Michael Fischer¹, Janos Varga¹, Mohammad-Reza Saraji-Bozorgzad², Georg Matuschek¹, Thomas Denner³, Ralf Zimmermann¹
¹Helmholtz Zentrum München, ²Photonion GmbH, ³Netzsch-Gerätebau GmbH

ThPS37-06 / Off-line CE-MALDI/SALD-ICP MS coupling: What can we acquire from a single separation run?

Iva Tomalová¹, Ondřej Polanský², Pavla Foltynová², Viktor Kanický³, Jan Preisler³

¹Masarykova univerzita, ²Department of Chemistry, Faculty of Science, Masaryk University, Brno, Czech Republic, ³CEITEC and Department of Chemistry, Faculty of Science, Masaryk University, Brno, Czech Republic

ThPS37-07 / GC-MS for Identification of Volatile Organophosphates in Thermal Aged LiPF₆-Based Electrolyte

Waldemar Weber, Vadim Kraft, Martin Grützke, Martin Winter, Sascha Nowak
MEET Universität Münster

ThPS37-08 / IC-ESI-MS/MS for Investigation of the Organophosphates in LiPF₆-Based Electrolyte

Vadim Kraft, Waldemar Weber, Martin Grützke, Martin Winter, Sascha Nowak
University of Münster, MEET

ThPS37-09 / Using molecularly-imprinted polymers for compound-specific isotope analysis of polar organic micropollutants

Rani Bakkour, Thomas B. Hofstetter
Eawag, Swiss Federal Institute of Aquatic Science and Technology

ThPS37-10 / Highly sensitive detection of typical fluoroquinolones in milk by FESI-CE coupled with electrostatic spray ionization MS

Yan Deng¹, Yan Deng², Natalia Gasilova¹, Liang Qiao¹, Xin-Xiang Zhang³, Hubert Girault¹
¹EPFL, ²EPFL; Peking University, ³Peking University

ThPS37-11 / Structure Determination of Aging Products in Lithium-Ion Battery Electrolytes with Gas Chromatography using Chemical Ionization Mass Spectrometry

Martin Grützke, Waldemar Weber, Martin Winter, Sascha Nowak
University of Münster, MEET Battery Research Center, Institute of Physical Chemistry

ThPS37-12 / Target and untarget analysis of water soluble compounds in urban aerosols using an innovative coupling of IC-HRMS.

Roberta Zangrando¹, Elena Barbaro¹, Torben Kirchgeorg², Natalie Kehrwald², Andrea Gambaro², Carlo Barbante¹
¹Institute for the Dynamics of Environmental Processes-CNR, ²University Cà Foscari of Venice

ThPS37-13 / Historical amphetamines are still here. Development of a reliable turbulent flow LC-MS/MS assay for following intoxication admitted in intensive care unit

Nihel Khoudour¹, Marion Soichot¹, F.J. Baud², Olivier Laprévote^{1,2}, Emmanuel Bourgogne^{1,2}
¹Laboratoire de toxicologie, Hopital Lariboisière, AP-HP, ²UMR CNRS 8638, Faculté de Pharmacie, Université Paris Descartes

ThPS37-14 / Input of bonded fluoro(pentafluorophenyl) used as normal phase for determination of Cocaine and Opiates drugs of abuse in plasma

Marion Soichot¹, Emmanuel Bourgogne^{1,2}, Nihel Khoudour¹, Olivier Laprévote^{1,2}

¹Laboratoire de toxicologie, Hopital Lariboisière, AP-HP, ²UMR CNRS 8638, Faculté de Pharmacie, Université Paris Descartes

ThPS37-15 / FIA-HRMS/MS for the analysis of recreational drugs and legal highs

Élida Alechaga, Encarnación Moyano, M^a Teresa Galceran
University of Barcelona

ThPS37-16 / Ion exchange chromatography with non-volatile buffers hyphenated through on-line liquid-liquid extraction to electrospray MS for the analysis of lipoproteins

Albert Koulman, Michael Osei, Julian Griffin
MRC HNR

ThPS37-17 / Comparison of different quantification approaches to deal with matrix effects in LC-ESI-MS/MS based determinations of mycotoxins in selected spices

Antoni F. Roig-Navarro¹, Neus Fabregat-Cabello¹, Juan V. Sancho¹, Hans G.J. Mol², Paul Zomer²
¹Universitat Jaume I. IUPA, ²RIKILT. Institute of Food Safety

ThPS37-18 / Buffer salt effects in off-line coupling of capillary electrophoresis and mass spectrometry

Andrea Vojs Stanova, Jozef Marak, Marina Rudasova
Comenius University, Faculty of Natural Sciences, Department of Analytical Chemistry

ThPS37-19 / Compositional analysis of heavy crude oil samples using size exclusion chromatography in combination with ultrahigh resolution mass spectrometry

Lilla Molnárné Guricza, Wolfgang Schrader
Max-Planck Institut für Kohlenforschung

ThPS37-21 / Routine high throughput quantitative analysis with increased sensitivity using micro flow LC-MS/MS.

Remco van Soest, Subodh Nimkar, Leo Wang, Eike Loge
AB SCIEX

ThPS37-22 / Utilising open access UPC2-MS within a Chemistry environment

Julie Herniman, John Langley
University of Southampton

ThPS37-23 / The routine sequencing method for one peptide immobilized on a gel-type single bead prepared by the solid-phase synthesis focusing on drug discovery

Kiyoshi Nokihara¹, Takeshi Kasama², Akiyoshi Hirata¹, Gen Ueta¹, Itaru Yazawa³

¹HiPep Laboratories, ²Tokyo Medical and Dental University, ³Imtakt Corp.

ThPS37-24 / Validated LC-MS/MS method for the determination of enantiomeric purity of S-Amlodipine in human plasma : Application to pharmacokinetic study.

Soowan Choi, Youngho Park, Kyungtae Lee
College of pharmacy, Kyung-Hee university

ThPS37-25 / Lipid residue analysis by derivitisation and comprehensive Gas Chromatography – Time of Flight Mass Spectrometry as applied to South African Iron Age pottery

Yvette Naudé¹, Sieglinde Bauermeister¹, Lauren Mc Dowell¹, Zurethe Collins², Ceri Ashley³, Alexander Antonites², Egmont Rohwer¹

¹University of Pretoria, Department of Chemistry, South Africa,

²Department of Anthropology and Archaeology, South Africa,

³University of Pretoria, Department of Anthropology and Archaeology, South Africa

ThPS37-26 / Application of novel “nMS2” technique towards characterisation of “Bio-Active” molecules of Andrographis paniculata extracts.

Saravanan Subramanyam¹, Janani Thyagarajan¹, Mohan Kasi Nadar¹, Raman Palvannanathan¹, Venkat Manohar¹, Taminum Ansari Abubacker²

¹Indian Institute of Chromatography & Mass Spectrometry,

²Muthurangam Govt. Arts. College, Vellore, Tamil Nadu, INDIA

ThPS37-27 / FAFOSS : Fast Automated Food Safety Screening

Malcolm Clench¹, K. Clive Thompson², Martin Hemingway², Andrew Baker³, Jillian Newton¹, Jamie Young¹, David Parkinson⁴

¹Sheffield Hallam University, ²AIControl UK, ³Advion, ⁴SI Biologics

ThPS37-28 / Investigation of Solid Phase Micro Extraction in Bioanalysis

Craig Aurand¹, David Bell¹, Anders Fridstrom², Robert Shirey¹

¹Supelco, ²Sigma-Aldrich

ThPS37-29 / Development of Optimized Multiclass Clean-up Methods for LC-MS/MS Analysis of Mycotoxins in Multiple Food/ Feed Matrices Incorporating a Novel SPE Column

Adam Senior¹, Geoff Davies¹, Claire Desbrow¹, Alan Edgington¹, Rhys Jones¹, Steve Jordan¹, Mats Leeman², Helen Lodder¹, Kerry Stephens¹, Lee Williams¹

¹Biotage GB Ltd, ²MIP Technologies AB (a subsidiary of Biotage AB)

ThPS37-31 / Methodological development for the establishment of efficient normal phase MS directed purification of natural products at the preparative scale

Davide Righi, Antonio Azzollini, Jean-Luc Wolfender
UNIVERSITY OF GENEVA

ThPS37-32 / Characterisation of the polar fraction of diesel using accurate mass spectrometry: the effects of sample preparation, ionisation methods and pre-separation

Elize Smit¹, Stefan De Goede², Egmont Rohwer¹

¹University of Pretoria, South Africa, ²Fuels technology, Sasol, South Africa

ThPS37-33 / UHPLC-UV-MSE analysis for the characterization of carotenoids and chlorophylls in Synechococcus sp. PCC 7002 cyanobacterium

Rosa Maria Alonso Salces¹, Beatriz Abad², Macarena Perez-Cenci¹, Sandra Rosa Fuselli³, Luis Angel Berrueta Sima², Blanca Gallo Hermosa²

¹Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Instituto de Investigaciones en Biodiversidad y Biotecnología (INBIOTEC), ²Departamento de Química Analítica, Facultad de Ciencia y Tecnología, Universidad del País Vasco/Euskal Herriko Unibertsitatea (UPV/EHU), ³Comisión de Investigaciones Científicas de la Provincia de Buenos Aires (CIC)

ThPS37-34 / Isolation and Characterization by HRMS of a new compound in Red Wine

Christelle Absalon, Claire Mouche, Noel Pinaud, Isabelle Pianet
ISM - University of Bordeaux

ThPS37-35 / Development of an LC-MS-based purification strategy for the Mass Spectrometry targeted isolation of bioactive compounds

Antonio Azzollini¹, Jiaozhen Zhang², Quentin Favre-Godal¹, Emerson Ferreira Queiroz¹, Shuqi Wang², Davide Righi¹, Davy Guilleme¹, Peihong Fan², Hongxiang Lou², Jean-Luc Wolfender¹

¹School of Pharmaceutical Sciences, EPGL, University of Geneva, University of Lausanne, Switzerland, ²Department of Natural Products Chemistry, Key Lab of Chemical Biology of the Ministry of Education, School of Pharmaceutical Sciences, Shandong University, People's Republic of China

ThPS37-36 / Kinetic Capillary Electrophoresis Coupled On-line with Mass Spectrometry to Study Conformational Dynamics of DNA G-Quadruplex in Solution

Maxim Berezovski
University of Ottawa

ThPS37-37 / Capillary Electrophoresis On-line Hyphenated with Mass Spectrometry Used for Analysis of Vitamins B in Pharmaceuticals

Katarina Marakova, Juraj Piestansky, Peter Mikus
Faculty of Pharmacy, Comenius University

ThPS37-38 / High performance time-of-flight mass spectrometry for comprehensive petroleum analysis

Juergen Wendt¹, Clécio F. Klitzke², David Alonso², Joe Binkley², Jeffrey Patrick²

¹LECO Instrumente GmbH, ²LECO Corporation, St. Joseph, MI.

ThPS37-39 / Utilizing Hydrogen Carrier Gas for High Throughput Gas Chromatography - High Resolution Time of Flight Mass Spectrometry (GC-HRT): Application Compendium

Juergen Wendt¹, Joe Binkley², David Alonso², Charles Lyle²

ThPS37-40 / Endogenous metabolite separation by multimode gradient HPLC and detection by MS

Adrian Ammann, Marc Suter

Eawag, Swiss Federal Institute of Aquatic Science and Technology

ThPS37-41 / Identification and Relative Quantification of Anions in Battery Samples with the course of time using Ion chromatography and High Resolution Mass Spectrometer

Joon Seok Lee, Dong Beom Lee, Sung Min Kim

ThermoFisher Korea

ThPS37-42 / The combination of “fast” triple-quad MS with flow-modulated comprehensive 2D gas chromatography for the untargeted and targeted analysis of complex mixtures

Peter Tranchida, Flavio Franchina, Paola Dugo, Luigi Mondello

Dipartimento SCIFAR, University of Messina, Italy

ThPS37-43 / Qualitative and quantitative application of UPC2-MS to biofuel screening.

John Langley¹, Julie M. Herniman¹, Waraporn Ratsameepakai¹, Matthew Fitt¹, Timothy Jenkins²

¹University of Southampton, ²Waters Corporation

ThPS37-44 / ESI mass spectrometry investigation of the chiral recognition of amino acid esters by lariat ethers

Olga Bazanova, Zemfira Bredikhina, Dilyara Sharafutdinova, Vasily Babaev, Robert Fayzullin, Alexander Bredikhin

A.E. Arbuzov Institute of Organic and Physical Chemistry of the Russian Academy of Sciences

ThPS37-45 / Automated LC-LC-MS/MS system for comprehensive analysis of small RNAs in functional RNP complexes

Toshiaki Isobe¹, Yoshio Yamauchi¹, Yuko Nobe¹, Nobuhiro Takahashi², Hiroshi Nakayama³, Masato Taoka¹

¹Tokyo Metropolitan University, ²Tokyo University of Agriculture and Technology, ³RIKEN Advanced Science Institute

ThPS37-46 / Chiral Discrimination of Amino Acids Based on Cyclofructans (CFs) in Mass Spectrometry

Cuirong Sun, Lin Wang, Qihong Yin

Zhejiang University

ThPS37-47 / Rapid Phosphopeptide Analysis by Microchip Electrophoresis-Electrospray Ionization Mass Spectrometry

Elisa Ollikainen¹, Nina Nordman¹, Ashkan Bonabi¹, Ville Jokinen², Tapio Kotiaho¹, Risto Kostainen¹, Tiina Sikanen¹

¹University of Helsinki, ²Aalto University

ThPS37-48 / Improved Sequence Coverage for PMF using a Droplet Interface for Nano-LC MALDI-MS

Fiona Pereira¹, Andrew deMello², Daniel Caminada¹, Xize Niu³

¹CSEM, ²ETH, ³Southampton University

ThPS37-49 / High-resolution peptidomic and transcriptomic profiling of spider venom: a rapid and comprehensive method for assessment of complex venom composition.

Vera Oldrati¹, Gaëtan Glauser², Reto Stöcklin³, Jean-Luc Wolfender⁴

¹Atheris Laboratories; School of Pharmaceutical Sciences, University of Geneva, ²Neuchâtel Platform of Analytical Chemistry (NPAC), University of Neuchâtel, ³Atheris Laboratories, ⁴School of Pharmaceutical Sciences, University of Geneva, University of Lausanne

ThPS37-50 / Top-down venomomics - High resolution mass spectrometry as a fast and accurate tool for the profiling of snake venoms

Daniel Petras¹, Roderich D. Süßmuth¹, Juan J. Calvete²

¹TU Berlin, ²Instituto de Biomedicina de Valencia, CSIC

ThPS37-51 / On-chip spyhole mass spectrometry for droplets-based microfluidics: Studying β -lactoglobulin interaction with liposoluble vitamins

Natalia Gasilova, Qiuliyang Yu, Liang Qiao, Hubert Girault

LEPA, EPFL

ThPS37-52 / Hyphenation of effect-directed enzymatic reactions to mass spectrometry

Therese Burkhardt, Johanna Grassmann, Christine Kaufmann, Thomas Letzel

TU Muenchen

ThPS37-53 / Exploring the effect of DMSO as a mobile phase additive for improving protein identification and SWATH acquisition by NanoLC/MS/MS

Remco van Soest, Jenny Albanese, Mark Yang, Christie Hunter, Eike Loge

AB SCIEX

ThPS37-54 / Glass separation chips with sharp, monolithically integrated electrospray emitter for rapid bioanalysis

Tiina Sikanen, Teemu Aitta-aho, Risto Kostainen, Lauri Sainiemi

University of Helsinki

ThPS37-55 / UHPLC-UV-MSE analysis for the characterization of carotenoids and chlorophylls in *Scenedesmus obliquus* microalgae

Rosa Maria Alonso Salces¹, Beatriz Abad², Mauro Do Nascimento¹, Leonardo Curatti¹, Sandra Rosa Fuselli³, Luis Angel Berrueta Simal², Blanca Gallo Hermosa²

¹Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Instituto de Investigaciones en Biodiversidad y Biotecnología (INBIOTEC), ²Departamento de Química Analítica, Facultad de Ciencia y Tecnología, Universidad del País Vasco/Euskal Herriko Unibertsitatea (UPV/EHU), ³Comisión de Investigaciones Científicas de la Provincia de Buenos Aires (CIC), Facultad de Ciencias Exactas y Naturales, Universidad Nacional de Mar del Plata

ThPS38 - Non-Covalent Interactions

11:00-15:00

Poster Exhibition, Level -1

ThPS38-01 / Study by Electrospray Ionization Mass Spectrometry of the Complexation of Histone Deacetylase Inhibitors With Divalent Metal Ions

Gastón Siless, Gabriela Cabrera

DQO-UMYMFOR, FCEN, Universidad de Buenos Aires

ThPS38-02 / Effect of Buffer Concentration on Protein-Ligand Binding Affinities Measured by Native ESI-MS

Agni Faviola Mika Gavriilidou, Basri Gülbakan, Renato Zenobi

ETH Zurich, Department of Chemistry and Applied Biosciences, Switzerland

ThPS38-03 / MALDI-MS quantitative analysis of organometallic complexes: application to anti-cancer drug candidates.

Cécile Perret¹, Hélène Nierengarten², Christian Gaidonn³, Gilles Gasser⁴, Michel Pfeffer⁵, Emmanuelle Leize-Wagner⁶

¹Laboratoire de Spectrométrie de Masse des Interactions et des Systèmes (LSMIS), CNRS-UMR 7140, University of Strasbourg, ²Service de Spectrométrie de Masse, CNRS-UMR 7177, University of Strasbourg, France, ³U682 INSERM, Strasbourg, France, ⁴Institute of Inorganic Chemistry, University of Zurich, Switzerland, ⁵Laboratoire de Chimie et Systématique Organo-Métalliques (LCSOM), CNRS-UMR 7177, University of Strasbourg, France, ⁶Laboratoire de Spectrométrie de Masse des Interactions et des Systèmes (LSMIS), CNRS-UMR 7140, University of Strasbourg, France

ThPS38-04 / Characterization of a Cisplatin-DNA-Antibody and its Corresponding Antibody-Antigen-Complexes by Mass Spectrometry under Native Conditions

Lena Ruhe¹, Johanna Hofmann², Yves Hachenberger¹, Ulrike Hochkirch¹, Jürgen Thomale³, Michael W. Linscheid¹

¹Humboldt-Universität zu Berlin, ²Fritz-Haber-Institute of the Max-Planck-Society, ³Institute of Cell Biology, University Hospital Essen

ThPS38-05 / Native nano-ESI mass spectrometry studies of aptamer-ligand complexes

Basri Gülbakan, Basri Gülbakan, Konstantin Barylyuk, Petra Schneider, Gisbert Schneider, Renato Zenobi

ETH Zurich

ThPS38-06 / Interaction of phospholipid pulmonary surfactants with nanoparticles studied in liquid media by LC MS and MALDI TOF MS

Tashi Chhoden¹, Frants R Lauritsen², Søren Thor Larsen³, Vivi K Sørensen³, Asger W Nørgaard³, Per Axel Clausen³

¹University of Southern Denmark/ NRCWE, ²University of Southern Denmark, ³National Research Center for the Working Environment

ThPS38-07 / Characterization of calcium phosphate salt catalysts by MALDI-TOF mass spectrometry

Vincent Guérineau, Clement Lebee, Géraldine Masson, David Touboul, Alain Brunelle

CNRS/ICSN

ThPS38-08 / High Resolution Native Mass Spectrometry allows rapid characterization of therapeutic monoclonal antibodies: from PTM to antibody-drug conjugates analysis.

Sara Rosati, Albert J.R. Heck

Utrecht University

ThPS38-09 / The application of mass spectrometry to identification of the epitope in human cystatin C – monoclonal antibody HCC3 complex.

Monika Rafalik, Martyna Prądzińska, Aleksandra Kołodziejczyk, Aneta Szymańska, Sylwia Rodziewicz-Motowidło, Paulina Czaplewska

University of Gdansk

ThPS38-10 / A high-resolution quantitative BN-MS approach for comprehensive analysis of protein complexes

Catrin S. Müller¹, Wolfgang Bildl¹, Alexander Haupt¹, David Baehrens¹, Bernd Fakler², Uwe Schulte³

¹Institute of Physiology, University of Freiburg, Germany, ²Institute of Physiology, University of Freiburg, Germany & BIOS Centre for Biological Signalling Studies, Freiburg, Germany, ³Institute of Physiology, University of Freiburg, Germany & BIOS Centre for Biological Signalling Studies, Freiburg, Germany & Logopharm GmbH Laboratory, Freiburg, Germany

ThPS38-11 / Mass spectrometry as a powerful tool in antigen-antibody studies.

Paulina Czaplewska¹, Anna Śladewska-Marquardt², Andreas Marquardt², Aleksandra S Kołodziejczyk³, Martyna Prądzińska³, Aneta Szymańska³, Sylwia Rodziewicz-Motowidło³

¹University of Gdansk, ²Proteomics Facility University of Konstanz, ³Department of Biomedical Chemistry, Faculty of Chemistry, University of Gdańsk

ThPS38-12 / Association behavior of Ser-Ser dipeptide: magic clusters and metal ion binding

Gitta Schlosser, Katalin Uray, Ferenc Hudecz

Research Group of Peptide Chemistry, Hungarian Academy of Sciences, Eotvos L. University

ThPS38-13 / Identification of epitopes and characteristic of anti cystatin C antibodies.

Martyna Prądzińska, Izabela Behrendt, Aneta Szymańska, Sylwia Rodziewicz-Motowidło, Paulina Czaplewska
University of Gdansk

ThPS38-14 / Mass spectrometry technique in studies of interactions of human cystatin C with antibodies

Izabela Behrendt¹, Monika Rafalik², Paulina Czaplewska³, Aneta Szymańska², Aleksandra Kołodziejczyk², Sylwia Rodziewicz-Motowidło²

¹University of Gdansk, ²Department of Biomedical Chemistry, Faculty of Chemistry University of Gdansk, ³Intercollegiate Faculty of Biotechnology University of Gdansk – Medical University of Gdansk

ThPS38-16 / Mapping the protein-protein interactions employing the combination of photo cross-linking protein nanoprobe with high resolution mass spectrometry

Miroslav Sulc¹, Tomas Jecmen¹, Renata Ptackova¹, Vera Cerna², Petr Novak¹, Petr Hodek², Marie Stiborova², Jiri Hudecek²

¹Institute of Microbiology ASCR, ²Department of Biochemistry, Charles University in Prague

ThPS38-17 / Peptide folding on metal surfaces in UHV

Sabine Abb¹, Gordon Rinke¹, Girjesh Dubey¹, Ludger Harnau², Klaus Kern³

¹Max-Planck-Institute for solid state research, ²Max-Planck-Institute for intelligent systems AND University of Stuttgart, ³Max-Planck-Institute for solid state research AND Ecole Polytechnique Fédérale de Lausanne

ThPS38-18 / Three-body fragment ion in Positive and Negative ESI for Location of Non-covalent Binding Sites in DNA/Peptide complexes

Jean-Claude Tabet¹, Bessem Brahim², Sandra Alves², Jean-Claude Tabet²

¹Université Pierre et Marie Curie, ²UPMC

ThPS38-19 / Mapping of protein-protein interactions in 14-3-3zeta homodimer: Combination of photo cross-linking protein nanoprobe with mass spectrometry.

Renata Ptackova¹, Tomas Jecmen², Martina Mazurova², Petr Novak², Jiri Hudecek¹, Miroslav Sulc²

¹Department of Biochemistry, Charles University in Prague, Czech Republic, ²Department of Biochemistry, Charles University in Prague, Czech Republic and Institute of Microbiology, ASCR, Prague, Czech Republic

ThPS38-20 / 1c2p-REMPL of non-covalent anisole complexes

Heinke V. Thurn, Jürgen Grotemeyer

Christian-Albrechts-Universität zu Kiel

ThPS39 - Informatic tools for MS

11:00-15:00

Poster Exhibition, Level -1

ThPS39-01 / Mass spectrometry based metabolomics work area and data management software «From sample to metabolic pathways»

Bernd Haas, Martin Buratti, Nicole Huber, Hannes Pedevilla
Biocrates Life Sciences AG

ThPS39-02 / Mass Spectrometry software tool enabling full characterization of biopharmaceutical molecules

Joe Shambaugh, Jean Mercier
Genedata AG

ThPS39-03 / MASSyPup: A Linux Live DVD for the analysis of mass spectrometry data

Robert Winkler
CINVESTAV Unidad Irapuato

ThPS39-04 / A spatially-aware peak picking method for MALDI-imaging data from TOF and FTICR mass analyzers

Dennis Trede¹, Jan Hendrik Kobarg², Lena Hauberg-Lotte², Michaela Aichler³, Michael Becker⁴, Janina Oetjen⁵, Andrew Palmer⁵, Stefan Schiffer¹, Judith Berger⁶, Stefan Heldmann⁶, Peter Maass⁵, Axel Walch³, Theodore Alexandrov⁵

¹SciLS GmbH, ²Steinbeis Innovation Center SciLS Research, ³Helmholtz Zentrum München, ⁴Bruker Daltonics GmbH, ⁵University of Bremen, ⁶Fraunhofer MEVIS

ThPS39-05 / Comparison of protein extraction buffers in formalin-fixed paraffin-embedded tissue

Valérie Broeckx¹, Evelyne Maes¹, Kurt Boonen¹, Xavier Sagaert², Hans Prenen², Bart Landuyt¹, Liliane Schoofs¹

¹KU Leuven, ²University hospital Leuven

ThPS39-06 / Towards demultiplexing of SWATH spectra for peptide identification: similarity analysis of fragment elution profiles

Aivett Bilbao¹, Ying Zhang², Dario Bottinelli², Bandar Alghanem², Frédéric Nikitin³, Jeremy Luban⁴, Caterina Strambio De Castillia⁴, Markus Mueller³, Frédérique Lisacek³, Emmanuel Varesio², Gérard Hopfgartner²

¹LSMS/SIB, ²LSMS, ³SIB, ⁴UMASS

ThPS39-07 / Do You See What I See ?

Malcolm Clench, Laura Cole, Arul Selvan, Heath Reed, Chris Wright
Sheffield Hallam University

ThPS39-08 / Expanding the current performance of precursor ion-based protein quantification using complementary fragment ions

Vladimir Gorshkov, Thiago Verano-Braga, Fedor Kryuchkov, Frank Kjeldsen
University of Southern Denmark

ThPS39-09 / Clustering-based ion chromatogram extraction and peak-picking for high-resolution LC-MS data

Martin Loos, Matthias Ruff, Heinz Singer, Juliane Hollender
Eawag, Swiss Federal Institute of Aquatic Science and Technology

ThPS39-10 / Probing the structure of human protein disulfide isomerase by chemical cross-linking combined with LC-MS

Morten Ib Rasmussen¹, Li Peng², Gunnar Houen³, Peter Højrup¹
¹BMB, SDU, ²Aarhus University, ³Statens Serum Institut

ThPS39-11 / A “Universal” data-dependent mass spectrometry method that eliminates time-consuming method optimization for achieving maximal identifications from each sample

Shannon Eliuk, Nina Soltero, Phil Remes, Mike Senko, Vlad Zabrouskov
Thermo Fisher Scientific

ThPS39-12 / Prediction of peptide fragment ion intensity: a priori partitioning reconsidered

Kurt De Grave¹, Alexander Van den Bulck¹, Sébastien Touzé², Thomas Fannes¹, Jan Ramon¹
¹KU Leuven, ²École Centrale de Lyon

ThPS39-13 / Toward a comprehensive bottom-up and top-down analysis of a reference monoclonal antibody

Christopher Becker¹, Yong Kil¹, Wilfred Tang¹, Marshall Bern¹, *Nicholas Bern*¹, *John Schieff*, *Lisa Kilpatrick*², *Trina Formolo*²
¹Protein Metrics Inc., ²National Institute of Standards and Technology

ThPS39-14 / Twin-Ion Metabolite Extraction: Combining stable isotopic labels and LCMS data mining software for non-targeted identification of drug metabolites

Michael Leeming¹, Andrew Isaac¹, Bernard Pope¹, Heather Daykin¹, Noel Cranswick¹, Christine Wright¹, James Ziogas¹, Richard O’Hair¹, William Donald²
¹The University of Melbourne, ²The University of New South Wales

20. AUTHORS' INDEX

A

Abad, Beatriz, ThPS36-36, ThPS37-33, ThPS37-55
Abb, Sabine, TPS18-05, ThPS38-17
Abbassi-Ghadi, Nima, MPS06-24
Abdel Qader, Abed, ThOS31-03
Abdel-Khalik, Jonas, MPS31-31
Abdel-Rehim, Mohamed, MPS06-40
Abdelhamid, Hani Nasser, FOS44-04
Abliz, Zeper, WPS26-21, WPS26-19, WPS26-23
Abrahamsson, Anna, WPS27-03
Absalon, Christelle, MPS02-12, ThPS37-34
Abubacker, Taminum Ansari, ThPS37-26
Acosta-Martin, Adelina E., WOS23-04
Adam, Gerhard, TOS17-02, WOS26-02, ThOS36-01
Adam, Tomáš, MPS06-42, MPS31-47, WPS26-55
Adler, Belinda, MPS31-52
Adler, Lewis, ThPS35-10
Admon, Arie, WOS22-03
Aebersold, Ruedi, SC03, WS02, TPS11-18, WOS22-05, FOS44-05
Afonso, Carlos, MOS02-03, WPS28-08, ThPS32-05
Afzan, Adlin, WPS26-51
Agar, Nathalie, TOS20-02
Aggarwal, Suresh Kumar, ThPS35-08, ThPS35-09
Agresta, Anna Maria, WPS22-09
Ahmed, Arif, WPS29-11
Ahn, Jung-Eun, TPS43-05
Ahn, Seonghee, ThPS36-06
Ahn, Sung-Hoon, ThPS33-06
Ahn, Young Min, ThPS36-49
Ahrends, Robert, TOS16-02
Ahrne, Erik, TOS11-02, TPS11-32, TPS11-33
Aichler, Michaela, ThPS39-04
Aït-Aïssa, Selim, TOS15-02
Aitta-aho, Teemu, ThPS37-54
Akashi, Satoko, WOS28-03, WPS44-11
Akashi, Tomohiro, WPS27-29
Aksamija, Zlatan, TOS14-04
Akutsu, Hiroaki, TPS43-34
Alagesan, Kathirvel, ThOS34-01
Alamelu, D., ThPS35-08, ThPS35-09
Albanese, Jenny, ThPS37-53
Albarghash, Alyanzan, WPS28-14
Alberici, Rosana, TPS12-17, WOS29-01
Albers, Christian, TPS17-04
Alcaraz, Christian, WOS30-02
Aldawsari, Abdullah, MPS02-20

Alder, Alfredo, TPS43-17
Aldini, G., TPS17-21
Alechaga, Élide, ThPS36-11, ThPS37-15
Alexandrov, Theodore, MPS07-13, TPS20-12, ThPS39-04
Algami, Mohammad, WPS27-02
Alghanem, Bandar, TOS11-03, TPS11-25, ThPS39-06
Alhonen, Leena, WPS22-04
Allan, Ian, WPS21-14
Allard, Pierre-Marie, WPS26-37
Allen, Mark, ThOS38-03
Allers, Maria, ThPS32-13
Allmaier, Guenter, MOS03-01, ThOS32-05
Almazov, Victor, MPS07-15
Almeida, Claudia, WPS26-49
Alomary, Ahmed, WPS27-02
Alonso Salces, Rosa Maria, ThPS37-33, ThPS37-55
Alonso, David, WPS26-63, ThPS37-38, ThPS37-39
Alothman, Zeid, MPS02-20, WPS27-02
Alqahtani, Nasser, WPS27-02
Alsohaimi, Ibrahim, WPS27-02
Altelaar, A.F. Maarten, TPS11-36
Altendorfer-Kroath, Thomas, MPS06-30
Altmeyer, Matthias O., TOS19-05
Altuntas, Esra, MPS02-14
Altwegg, Kathrin, WOS30-01
Alves, Sandra, MOS08-04, WPS26-28, ThPS38-18
Amantonico, Andrea, TPS43-29, ThPS32-07
Amarante, Giovanni W., TPS41-20
Amleh, Asma, MPS06-01
Ammann, Adrian, ThPS37-40
Amsden, Jason, MPS03-21
Amster, Jonathan, MPS06-46
Amtmann, Mária, ThPS36-41
An, Hyun Joo, MPS06-49, MPS08-02, MPS08-03
Anders, Ulrike, MPS06-21
Andersson, Leigh, MPS06-23
Anderton, Christopher, MOS07-01
Andre Baptista Canuto, Gisele, WPS26-30
André, Jacques, MPS01-04, MPS07-22
Angel, Peggi, TPS20-04
Angelini, Giancarlo, WPS27-31
Annabi, Borhane, WPS26-53
Annette, Michalski, TPS11-14
Antoine, Rodolphe, MOS02-02, WPS27-07
Antonites, Alexander, ThPS37-25
Aoki, Jun, MPS07-19, TOS14-02, WPS26-40, ThOS40-02
Aparina, Elena, TPS43-27, WOS27-04

Apuy, Julius, TPS20-09
Aquino Neto, Francisco Radler, TPS42-24
Arai, Yasuo, TOS14-02
Arakawa, Ryuichi, TPS43-04
Arlauskiene, Audrone, TPS11-38
Armand, Florence, MOS10-05
Armengaud, Jean, TPS17-03
Armentano, Antonio, ThPS36-04
Armentrout, Peter, FOS41-04
Arnal, Sofía, WPS27-13
Arnaudguilhem, Carine, ThPS35-12
Arnold, Norbert, WPS26-14
Arnoult, Eric, ThPS32-05
Aros-Calt, Sandrine, MPS06-59
Arrey, Tabiwang N., MPS03-10
Artaev, Viatcheslav, MOS01-05
Artemenko, Konstantin, TPS11-03
Arvisenet, Gaëlle, WPS24-16
Asare Okai, Papa Nii, MOS05-05
Ashley, Ceri, ThPS37-25
Asperger, Arndt, MPS06-23, MPS07-13, TOS20-02, TPS17-04
Assimopoulou, Andreana, WPS26-05
Astarita, Giuseppe, TOS19-03, WPS26-11, WPS26-52
Astorga-Wells, Juan, TOS19-04
Atik, Ahmet Emin, TPS41-16
Auger, Serge, MPS06-34, WPS21-09
Aurand, Craig, MPS31-25, ThPS37-28
Auriola, Seppo, WPS22-04
Auzeil, Nicolas, TPS12-18
Avaldi, Lorenzo, TPS41-05
Awasthi, Shivangi, WOS21-02
Awazu, Kunio, MPS07-19, TOS14-02, ThOS40-02
Aycirix, Sophie, TPS12-07
Ayzikov, Konstantin, MOS01-04
Azegami, Nanako, WPS44-11
Azumaya, Isao, WPS27-10
Azzollini, Antonio, ThPS32-19, ThPS37-31, ThPS37-35

B

Babaei, Fatemeh, MPS31-39
Babaev, Vasily, TPS41-28, ThPS37-44
Bączek, Tomasz, TPS11-05
Badjah, Ahmed Yacine, MPS02-20
Baehrens, David, ThPS38-10
Baek, Dong Gil, ThPS36-49
Baessmann, Carsten, TPS11-15, WPS26-07
Bag, Soumabha, ThOS34-05, ThPS33-05
Baggerman, Geert, MPS06-60
Bai, Yu, WOS25-02
Baier, Hans-Ulrich, WPS24-04
Baird, Zane, ThOS34-05

Bakalkin, Georgy, TPS11-03
 Baken, Kirsten, FOS43-04
 Baker, Andrew, ThPS37-27
 Baker, Andy, ThPS35-10
 Bakkour, Rani, ThPS37-09
 Balakrishnan, Indran, FOS45-05
 Balayssac, Stéphane, ThPS36-05
 Balbuena, Tiago, WPS44-07
 Balcells, Georgina, FOS42-02
 Ball, Andy, WPS27-19
 Balog, Julia, MOS06-01, MPS06-24, WPS29-12
 Baltensperger, Urs, TPS43-32
 Bamba, Takeshi, WPS26-40
 Bandelow, Steffi, TPS18-11
 Bandt, Susanne, WPS26-13
 Bandura, Dmitry, FOS45-01
 Bang, Geul, TPS12-04
 Baranov, Vladimir, FOS45-01
 Barbante, Carlo, ThPS37-12
 Barbaro, Elena, ThPS37-12
 Barber, Andrew, MPS07-20
 Barcelo, Damia, TPS43-10
 Barcenás, Mariana, MOS06-05
 Bardet, Chloé, TPS11-11
 Baretton, Gustavo, ThOS31-05
 Barkowitz, Gitte, ThPS36-13
 Barkovits, Katalin, MPS31-41, TPS11-20
 Barnea, Eilon, WOS22-03
 Baron, Anna, TOS11-02
 Baronaite, Sandra, TPS11-38
 Barran, Perdita, MPS07-07, ThOS32-01, ThOS38-04, ThPS32-06, ThPS32-28
 Barrera-Arellano, Daniel, TPS12-17
 Barrère, Caroline, MOS02-03
 Barrey, Emily, TPS43-12
 Barrios-Collado, César, WPS29-05
 Barros, Ciro M., TPS12-11
 Barrow, Mark, FOS43-03
 Barsch, Aiko, WPS26-06, WPS26-07, WPS26-16
 Barta, Jan, MPS08-07
 Barthel, Markus J., MPS02-06
 Bártl, Josef, MPS06-15, MPS31-24
 Barupal, Dinesh, MPS31-51
 Barylyuk, Konstantin, ThPS38-05
 Bastos, Wagner L., TPS41-30
 Bataglion, Giovana A., WPS27-04
 Battistel, Ezio, MPS01-01
 Batuman, Vecihi, MPS31-28
 Bauer, Manuel, TOS11-02
 Bauermeister, Sieglinde, ThPS37-25
 Baumann, Marc, MPS31-52
 Baumert, Mark, ThOS38-03
 Baur, Markus, WOS21-04
 Bayer, Günther, ThOS40-05
 Baykut, Goekhan, ThOS33-03
 Baz Lomba, Jose Antonio, FOS43-01
 Bazanova, Olga, ThPS37-44
 Beaudry, Francis, MPS31-33
 Becher, Francois, TOS11-05

Beck, Alain, MPS08-12, WPS44-09, ThOS37-05
 Beck, Jonathan, ThPS36-37
 Beck, Sebastian, TPS11-07
 Becker, Christopher, ThPS39-13
 Becker, Michael, TOS20-02, TPS12-15, TPS20-02, ThPS39-04
 Becker, René, TPS11-01, TPS11-07
 Bednařík, Antonín, ThOS35-02, ThPS35-03
 Beel, Rita, TOS18-02
 Beer, Ilan, WOS22-03
 Begnaud, Frédéric, TPS43-29
 Begue, Damien, TOS17-05
 Behra, Renata, WPS22-13
 Behrendt, Izabela, ThPS38-13, ThPS38-14
 Beitz, Toralf, WPS21-19, ThPS32-11, ThPS32-12
 Belau, Eckhard, TPS12-15
 Belaz, Katia Roberta Anacleto, TPS12-11
 Belford, Michael, ThPS32-20
 Belgacem, Omar, MPS06-39, TPS17-08, FOS45-05
 Bell, Dave, MPS31-25
 Bell, David, WPS29-02, WPS29-06, ThPS37-28
 Bellina, Bruno, ThPS32-28
 Bellon, Sophie, MPS31-40
 Belov, Mikhail, WOS23-02, WPS21-10
 Belyi, Alexandr, ThOS35-05
 Ben-Nissan, Gili, WOS28-02, WPS22-16
 Benda, David, TOS16-05
 Bengali, Kathleen, MPS31-27, TPS11-27
 Benham, Kevin, WPS29-09
 Benke, Peter, WOS27-05
 Bennetau-Pelissero, Catherine, MPS06-17
 Bennett, Rachel Bennett, WOS29-01
 Benoit, Fatou, ThOS31-04
 Benozzi, Elisabetta, ThPS36-35
 Bent, Andrew, WPS22-10
 Bentley, Mark, WPS27-35
 Bentley, T. William, TPS12-22
 Berchtold, Christian, MPS31-35
 Berden, Giel, MPS03-20, TPS41-32
 Berdnikov, Alexander, MPS03-02
 Berezovski, Maxim, ThPS37-36
 Berg, Seija, ThPS37-01
 Berger, Judith, ThPS39-04
 Berger, Walter, ThOS35-03
 Bergquist, Jonas, TPS11-03, TPS12-05, ThPS33-15
 Bergsten, Peter, TPS12-05
 Bergström, Ed, MPS06-19, TPS12-26
 Beris, Photis, WOS23-04
 Bern, Marshall, ThPS39-13
 Bern, Nicholas, ThPS39-13
 Bernau, Mareike, ThPS36-13
 Bernhardt, Oliver, TPS11-12
 Bernier, Laurent, MOS03-04
 Berrueta Razo, Irma, MPS07-20
 Berrueta, Luis Ángel, ThPS36-36, ThPS36-44, ThPS37-33, ThPS37-55

Berthelie, Jean-Jacques, WOS30-01
 Berthiller, Franz, ThOS36-01
 Bertrand, Benjamin, MPS06-29
 Bertrand, Samuel, WOS26-04
 Besic, Denis, ThPS35-05
 Besson, Thierry, TOS17-05
 Beu, Steven, MOS01-01
 Beucher, Laure, FOS42-03
 Beuvier, Ludovic, WPS21-01
 Beveridge, Rebecca, ThOS32-01
 Beyer, Martin K., TPS18-02
 Bhaisare L., Mukesh, FOS44-04
 Bhandari, Dhaka, TOS20-03
 Biasioli, Franco, WOS24-04, WPS24-14, ThPS36-35
 Bich, Claudia, MPS07-24
 Bichon, Emmanuelle, ThOS36-03
 Biegelmeier, Renata, ThPS36-02
 Bielawski, Krzysztof Piotr, MPS06-56
 Bier, Mark, TOS14-05, TPS18-12
 Bierkandt, Frank, TPS11-01
 Bierstedt, Andreas, WPS21-18
 Biesenbruch, Sabine, WPS28-04
 Bigler, Laurent, WPS26-41
 Bilbao, Aivett, TOS11-03, TPS11-25, ThPS39-06
 Bildl, Wolfgang, ThPS38-10
 Bilgraer, Raphaël, MPS31-37
 Bilova, Tatiana, MOS09-02
 Binkley, Joe, WPS24-06, WPS26-63, ThPS37-38, ThPS37-39, TPS43-22
 Birngruber, Thomas, MPS06-30
 Bitsch, Francis, TOS17-05
 Björkman, Jan-Arne, MPS31-22
 Blackburn, Jonathan, MPS31-26
 Blackburn, Mary, ThPS36-37
 Blackler, Adele, MPS31-27
 Blake, Dan, WPS27-26
 Blakney, Greg, MOS01-01
 Blanchard, Gary, WPS21-21
 Blanksby, Stephen, TPS18-10, TPS18-14, TPS41-23
 Blaziak, Kacper, TPS41-31
 Bleay, Stephen, TPS42-08
 Bleiholder, Christian, ThOS32-03
 Blenkers, Thomas, TPS11-31
 Blethrow, Justin, TPS11-21
 Blick, Robert, TOS14-04
 Bloch, Robert, MPS31-50
 Blokhin, Maxim, ThPS35-15
 Blüher, Matthias, MPS31-36
 Boccard, Julien, MPS31-09, MPS31-13, WPS26-37
 Böcker, Sebastian, WPS26-66
 Bodenlenz, Manfred, MPS06-38
 Bodenmiller, Bernd, ThOS40-04, FOS45-02, PL03
 Bodi, Andras, TPS43-32
 Boecker, Sebastian, MPS02-06
 Boehm, Guenter, TPS11-31, WPS26-65
 Boelt, Sanne Grundvad, WPS44-05
 Boeri Erba, Elisabetta, TPS17-23

Boersema, Paul, TPS11-12, WOS22-04, FOS44-02, FOS45-02
 Boertz, Jens, MPS06-35, MPS31-25, TPS17-10, TPS43-12, WPS26-27
 Boeuf, Amandine, MPS31-15, WPS44-09
 Bogaerts, Pierre, TPS11-11
 Bohni, Nadine, WOS26-04
 Boireau, Wilfrid, MPS31-52
 Bolbach, Gérard, WPS22-02
 Bolognesi, Paola, TPS41-05
 Bolotin, Jakov, MOS09-05
 Bonabi, Ashkan, ThPS37-47
 Bonakdarzadeh, Pia, WOS25-03
 Bonala, Radha, MPS31-38
 Bongers, Sandra, WPS24-07
 Bongiorno, David, TPS41-17
 Böni, Rainer, WPS26-41
 Bonner, Ron, WPS26-31
 Bonnet, Pierre-Antoine, MPS06-29
 Boonen, Kurt, ThPS39-05
 Borchard, Gerrit, MPS08-09
 Borda, Melanie, ThOS33-04
 Bordjah, Ali, MPS02-10
 Bore, Francois, MPS07-08
 Borén, Mats, MPS31-14
 Borgatta, Myriam, TPS43-35
 Borges, Antonion Cesar de Amorim, WPS27-23
 Borovinskaya, Olga, WOS25-05
 Borthwick, Andy, WPS26-52
 Boryak, Oleg, WPS28-05
 Both, Jean-Pierre, ThOS39-05, ThOS39-05
 Botitsi, Helen, ThPS36-22
 Bottaro, Donald, TPS11-27
 Bottinelli, Dario, TOS11-03, TPS11-25, ThPS39-06
 Botting, Catherine, WPS22-10
 Boudah, Samia, MPS06-59, TPS12-27
 Boughton, Berin, TOS20-05
 Bouin, Etienne, MPS07-08
 Boulanger, Nathalie, MPS31-15
 Bourdaudhui, Pascal, WOS26-03
 Bourdetsky, Dmitry, WOS22-03
 Bourgeois, Marc, ThOS36-03
 Bourgogne, Emmanuel, ThPS37-13, ThPS37-14
 Bouyssière, Brice, ThPS35-12, ThPS36-43
 Bovet, Cédric, MPS31-35
 Bowers, Michael, ThOS32-03
 Boyarkine, Oleg, TOS13-02
 Boyer, Jean-Baptiste, TPS17-03
 Brabcova, Adela, MPS08-07
 Brack, Werner, MPS31-50, TOS15-04
 Bradshaw, Robert, TPS42-08
 Brady, David, MPS03-14, MPS03-21
 Braga Lagache, Sophie, MPS06-31
 Brahim, Bessem, ThPS38-18
 Brancia, Francesco, MPS03-07, MPS31-16, TOS16-04, TPS11-18
 Brandt, Simone, ThOS40-04
 Bräsen, Christopher, WPS26-18

Brauch, Dominic, MOS09-02
 Bray, Fabrice, MOS01-03
 Breadmore, Michael, WPS29-13
 Bréant, Lise, WPS26-51
 Brechlin, Peter, TPS42-12, ThPS36-17
 Bredikhin, Alexander, ThPS37-44
 Bredikhina, Zemfira, ThPS37-44
 Bregy, Lukas, WOS24-03
 Breidbach, Andreas, ThOS36-02
 Breiev, Kostiantyn, MPS03-06
 Brentan da Silva, Denise, TPS41-27
 Bressac, Didier, WPS27-17
 Bressolle, Françoise, MPS06-29
 Breuer, Matthew, MPS03-13
 Breuker, Kathrin, WOS28-01
 Brink, Andreas, WPS26-10
 Briois, Christelle, WOS30-03
 Bristow, Anthony, WS05, MPS06-08, WPS27-19
 Bristow, Tony, WPS29-03
 Brkić, Boris, ThOS34-03
 Broeckx, Valérie, ThPS39-05
 Bromirski, Maciej, WPS21-10, ThOS38-03, ThPS36-25
 Brönnimann, Rolf, TPS17-10
 Broudin, Simon, FOS43-05, TPS12-27
 Brouwer, Hendrik-Jan, MPS06-26, WPS28-15
 Brown, Jamie, TPS43-12
 Brown, Jeff, WOS23-03, ThPS32-28
 Brown, Phil, WOS24-02
 Brown, Simon H.J., TOS12-04
 Brown, Steven, WOS24-03
 Bruchmann, Andreas, TPS11-31
 Bruderer, Roland, TPS11-12
 Bruderer, Tobias, WPS26-31
 Bruinen, Anne, MPS07-25, TOS14-01
 Brun, Virginie, TOS11-05
 Brunelle, Alain, MPS07-24, ThPS38-07
 Brunerie, Pascal, ThPS36-48
 Brunet, Didier-Luc, MPS31-40
 Bu, Jiexun, TOS18-05
 Bub, Achim, WPS26-13
 Büchel, Barbara, MPS31-35
 Bucher, Rahel, WPS26-41
 Buchmann, William, MPS02-10, MPS31-40
 Buchs, Natasha, MPS06-31
 Buckle, Isabelle, TPS42-13
 Buclin, Thierry, TPS43-35
 Budnik, Bogdan, TPS11-02
 Budzinski, Hélène, TOS15-02
 Bueno, Maïté, ThPS36-43
 Bueschl, Christoph, WOS26-02
 Buettner, Florian, WPS22-18
 Buhmann, Joachim, ThOS40-04
 Bukowski, Nick, WPS21-14, ThPS36-40
 Bulou, Simon, MPS02-16
 Bupp, Jim, MPS03-13
 Buratti, Martin, ThPS39-01
 Bure, Corinne, MPS06-17, TPS12-07
 Burger, Udo, WPS21-04, ThPS36-14

Burgess, Jennifer, ThPS32-21, ThPS32-22
 Burghard, Marko, TPS18-05
 Burhenne, Jürgen, TPS42-04
 Burk, Peeter, TPS18-03
 Burk, Piia, WPS21-05, ThOS33-05
 Burkhardt, Therese, ThPS37-52
 Burnley, Rebecca, ThOS38-03
 Burobin, Michael, ThPS35-01
 Burrows, Jon, MPS31-27, TPS11-27
 Burton, Lyle, WPS26-31
 Büschl, Christoph, ThOS36-01
 Bush, David, MPS08-12
 Busnel, Jean-Marc, ThOS37-05
 Butman, Michail, TPS18-06
 Butterweck, Veronika, MPS06-22, MPS31-07
 Byer, Jonathan B., TPS43-22

C

Cabanzo, Rafael, MPS01-12
 Cabello, Noemí, WPS27-13
 Cabrera, Gabriela, ThPS38-01
 Cai, Yi-Hong, ThPS32-04
 Calamai, Luca, ThPS36-40
 Caldwell, Anna, ThPS33-14
 Calvete, Juan J., ThPS37-50
 Caminada, Daniel, ThPS37-48
 Camp, Claire, MPS06-01
 Campbell-Sills, Hugo, WPS24-14
 Campbell, Larry J., TPS12-03
 Cano, Patricia M., WOS26-03
 Cansell, Maud, TPS12-07
 Cao, Yanwei, MOS05-03
 Capellin, Luca, WOS24-04
 Capozzi, Vittorio, ThPS36-35
 Cappellin, Luca, WPS24-14, ThPS36-35
 Carapito, Christine, MPS31-15
 Cardoso, Catia, TPS43-29
 Carini, M., TPS17-21
 Cariou, Ronan, ThOS36-03
 Carroy, Glenn, TPS18-13
 Carsten, Baessmann, TPS11-14
 Cartoni, Antonella, TPS41-05
 Carver, C., ThPS32-22
 Casadonte, Rita, ThOS31-05
 Casanova Saez, Ruben, WPS27-28
 Castangia, Roberto, MPS06-39
 Castel, Patricia, MPS02-12
 Castillia, Caterina Strambio De, TOS11-03
 Castro-Gamboa, Ian, TPS42-18
 Cataldo, Franco, WPS27-31
 Catenacci, Daniel, MPS31-27, TPS11-27
 Causon, Jason, ThPS32-18
 Cavalcanti, Gustavo, TPS42-24
 Cecchelli, Romeo, MPS06-14
 Cecchi, Fabiola, TPS11-27
 Cecchini, Tiphaine, TPS11-11
 Cela, Rafael, WPS24-02
 Çelikbıçak, Ömür, TPS11-19
 Ceraulo, Leopoldo, TPS41-17
 Cerna, Vera, ThPS38-16
 Cerrada-Gimenez, Marc, WPS22-04
 Cesti, Pietro, MPS01-01

Cgen, Hui-Yuan, TPS18-09
 Cha, Sangwon, TPS12-21
 Chagovets, Vitaliy, TOS12-03, TPS12-02, WPS28-05
 Chait, Brian, WOS21-01
 Chakrabarty, Satrajit, TOS13-01
 Chakraborty, Asish, MPS08-10, TPS11-23, WPS28-07
 Challal, Soura, MPS06-32
 Chalupová, Jana, MPS07-14
 Chamot-Rooke, Julia, MOS10-02, MOS10-02, TPS17-24
 Chan, Alfred W. H., MPS31-39
 Chan, Bun, TPS18-14
 Chan, Dominic, MPS07-23
 Chan, George H. M., TPS42-20
 Chang, Chiz-Tzung, MPS31-04
 Chang, Pei-Yu, TOS14-03
 Chang, Po-Chih, TPS11-26
 Chang, Terrence, TOS13-01
 Chang, Wei-Hung, WPS27-12
 Charles, Laurence, MOS02-02, MOS02-04, MPS02-09, MPS02-14, FOS41-05
 Charretier, Yannick, TPS11-11
 Charrier, Jean-Philippe, TPS11-11
 Chatellier, Sonia, MPS31-23, TPS11-11
 Chatzimeletiou, Katerina, WPS26-04
 Chen, Ai-Ti, MPS06-36
 Chen, Chao-Jung, MPS06-03, MPS31-04
 Chen, Chao-Yu, WPS26-34
 Chen, Chung-Hsuan, MPS03-08
 Chen, Evan, MPS03-14, MPS03-21
 Chen, Fang-Fang, WPS44-04
 Chen, Jen-Kun, MPS06-03
 Chen, Jenny, ThPS33-10
 Chen, Kuang-Yu, TPS43-03
 Chen, Lee Chuin, MPS31-03, WOS21-03, WPS21-08
 Chen, Ping, TPS20-07
 Chen, Song, MPS02-18
 Chen, Sung-Fang, MPS31-08, TPS11-04
 Chen, Tong, MOS01-01
 Chen, Weibin, MPS08-10, TPS11-23, WPS28-07
 Chen, Yanhua, WPS26-19, WPS26-21
 Chen, Yet-Ran, WPS27-12, WPS44-02, WPS44-04
 Chen, Yi-Ting, MPS31-08
 Chen, Yu, MOS01-01
 Chen, Yu-Chie, MPS02-08, WOS25-01
 Chen, Yu-Ju, MOS06-02, TPS17-02, TPS17-22
 Chendo, Christophe, MPS02-09
 Cheng, Chao-Hsin, TPS42-25
 Cheng, Hao-I, WPS26-34
 Cheng, Shuk Han, MPS31-39
 Cheng, Yu-Shing, TPS17-20
 Cheong, Nam-Yong, TPS43-05
 Cherkaoui, Abdessalam, TPS11-11
 Chern, Jeffy, TPS17-18
 Chernyshev, Denis, ThOS34-02
 Cherubini, Cristina, WPS27-31

Chervet, Jean-Pierre, MPS06-26, WPS26-26, WPS28-15
 Chevolleau, Sylvie, WPS26-12
 Chèvre, Nathalie, TPS43-35
 Chew, Fook Tim, MPS06-49
 Chhoden, Tashi, ThPS38-06
 Chiaberge, Stefano, MPS01-01
 Chiaia-Hernandez, Aurea C., FOS43-02
 Chiang, Hsiang-Lin, MPS02-08
 Chiappe, Diego, MOS10-05
 Chicher, Johana, ThOS37-05
 Chikaoka, Yoko, TPS17-08
 Chingin, Konstantin, TOS19-04
 Chipperfield, John, ThOS36-04, WPS24-12, ThPS32-27
 Chiron, Lionel, MOS01-03
 Chiu, Chih-Wei, TPS11-04
 Cho, Ji-Mi, ThPS36-03
 Cho, Kyoungwon, WPS26-20
 Cho, Soon-Kil, ThPS36-03
 Choi, Bo-Kyung, ThPS36-34
 Choi, Jeong-Heui, ThPS36-03
 Choi, Keunhwa, ThPS36-29
 Choi, Soowan, ThPS37-24
 Choi, Sun-Ok, ThPS36-29
 Choi, Sung Heum, ThPS33-06
 Chong, Sun-Li, MOS08-03
 Chopra, Tarun, MOS10-05
 Chou, Chi-Chi, TPS17-18
 Chou, Jo-Han, TPS43-15
 Chou, Pei-Hsin, TPS43-03
 Chou, Szu-Wei, TOS14-03
 Chrastina, Petr, MPS06-15
 Christensen, Henrick, WOS29-01
 Christison, Terri, WPS26-57
 Chu, Dinh Binh, WPS26-33, WPS26-45
 Chu, Ivan, TPS17-12
 Chudinov, Alexey, WOS27-04
 Chun, Ji eun, ThPS36-21
 Chung, Joo Hee, WPS26-20
 Cianferani, Sarah, WPS28-12, WPS44-09, ThOS38-01
 Ciesielski, Tomasz, TPS11-05
 Cífková, Eva, TOS12-03, TPS12-12
 Civitareale, Cinzia, ThPS36-04
 Claeys, Magda, MOS04-04
 Claparols, Catherine, ThPS36-05
 Clarke, David, ThOS38-04
 Claude, Emmanuelle, MOS07-02, TPS12-23
 Claudia, Birkemeyer, MPS08-05
 Clausen, Bettina Hjelm, TPS12-20
 Clausen, Per Axel, WOS25-04, WPS27-22, ThPS38-06
 Clavier, Séverine, WPS22-02
 Clemen, Martin, TPS41-04
 Clench, Malcolm, MPS31-32, TPS11-08, TPS11-09, TPS42-08, ThPS37-27, ThPS39-07
 Clerc, Florent, MPS08-01
 Clerici, Lorella, WOS23-04
 Cliff, Steven, MOS04-05
 Cody, Robert, TPS43-19

Coelho Graça, Didia, WOS23-04
 Cojocariu, Cristian, ThPS36-39
 Cole, Jason, ThPS36-39
 Cole, Laura, MPS31-32, ThPS39-07
 Cole, Richard, WPS26-28, FOS42-05
 Colgrave, Michelle, TPS11-35
 Collins, Ben, TPS11-18, WOS22-05
 Collins, Zurethe, ThPS37-25
 Colquhoun, David, TPS17-07
 Colsch, Benoit, TPS12-27, WPS26-28
 Colzani, Mara, TPS17-21
 Coman, Cristina, TPS11-13
 Compagnon, Isabelle, ThPS32-28
 Comstock, Kate, MPS02-03, TPS42-02
 Condina, Mark, TOS20-05
 Conesa Cabeza, Aleix, TPS43-25
 Conti, Elena, TOS17-04
 Cooks, R. Graham, TOS19-02, ThOS34-05
 Cooper, Richard, TOS13-01
 Coote, Michelle, TPS41-23
 Corman, Bruno, TPS12-27, FOS43-05
 Cornaton, Manon, WPS21-01
 Cornett, Shannon, MPS07-12
 Cornil, Jérôme, MPS02-02, TPS18-13
 Corraera, Thiago, TOS13-04
 Corvaia, Nathalie, WPS44-09
 Cosette, Pascal, TOS17-03
 Costa, Solange S., MPS31-17
 Costello, Catherine, MOS10-02, TPS17-24
 Cotton, Jerome, FOS43-05
 Coulier, Leon, ThOS37-04, ThOS37-04
 Coulon, Joana, WPS24-14
 Coulot, Michèle, TOS17-05
 Couzijn, Erik, MOS01-04
 Covert, David, MOS04-02
 Cozikova, Dagmar, MPS02-13
 Craig, Oliver, TPS12-26
 Cramer, Hugh, MPS31-25
 Cranswick, Noel, ThPS39-14
 Craven, Kirsten, MPS02-02
 Crawford, Alexander D., MPS06-32
 Crawford, Elizabeth, WPS26-67, ThPS36-32
 Crecelius, Anna C., TPS20-12
 Crestoni, Maria Elisa, WPS27-31
 Creusot, Nicolas, TOS15-02
 Crick, Peter, MPS31-31, TOS12-02, TPS12-22
 Cristescu, Simona, WOS24-02
 Croce, Annamaria, MPS01-01
 Crotty, Sarah, MPS02-06
 Csóka, Mariann, ThPS36-41
 Cudré Correia De Almeida, Sandrine, WPS26-65
 Culot, Maxime, MPS06-14
 Cunha, Ildenize, TPS12-17, WPS26-48
 Curatti, Leonardo, ThPS37-55
 Curl, Peter, TPS42-20
 Cusack, Stephen, TPS17-23
 Cutler, Paul, MPS06-54
 Cuyckens, Filip, ThPS33-08
 Cuypers, Eva, TPS42-10
 Cvačka, Josef, TPS12-06, TPS12-10

Czaplewska, Paulina, ThPS38-09,
ThPS38-11, ThPS38-13, ThPS38-14
Czech, Hendryk, MOS04-03
Czerwenka, Christoph, TPS41-29

D

da Silva Bolzani, Vanderlan, TPS42-18
Daali, Youssef, MOS09-04
Dabbish, Eslam, MPS06-01
Daichi, Yukihira, WPS27-20
Dall'Acqua, Stefano, ThPS36-18
Dallmann, Guido, MPS31-02
Dallmann, Robert, WOS24-03
Dalton, Caroline, MPS06-62
Damen, Carola, WPS27-33
Damoc, Eugen, MOS01-04, MPS03-10
Dane, A. John, TPS43-19
Danell, Ryan, MPS03-14, MPS03-21
Daniel, Laurent, MPS06-39
Daniel, Regis, MPS31-40
Danikiewicz, Witold, TPS12-14, TPS41-31
Darfler, Marlene, MPS31-27, TPS11-27
Dargere, Delphine, TPS12-18
Dariy, Ekaterina, MOS08-04, WPS26-43
Darland, Edward, ThPS32-26
Davidsson, Pia, MPS31-46
Davies, Geoff, MPS06-37, ThPS37-29
Davies, Noel, MPS31-45
Davoli, Enrico, WS06
Daykin, Heather, ThPS39-14
de Almeida Furtado, Leonardo, TPS43-33
De Angelis, Francesco, MPS01-01,
TOS18-03
de Boer, Jacob, TOS15-03
de Bruin, Natasja, TPS12-16
de Castro, Pedro P., TPS41-20
De Franceschi, Giorgia, FOS44-02
De Goede, Stefan, ThPS37-32
De Grave, Kurt, ThPS39-12
de Mello, Amanda C., TPS41-20
De Nardi, Claudio, MPS06-44
de Paula, Bruno R. S., TPS41-14
De Pauw, Edwin, ThOS36-04
de Souza Castilho, Anthony César,
TPS12-11
de Souza, Ana, WPS26-48
De Winter, Julien, MPS02-02, TPS18-13
De Witte, Peter A. M., MPS06-32
Deb, S. B., ThOS35-04
Debaene, François, WPS28-12,
WPS44-09
Debrauwer, Laurent, WOS26-03,
WPS26-12
Decleves, Xavier, MPS06-44
Decosterd, Laurent-Arthur Decosterd,
TPS43-35
Dedieu, Alain, TPS17-03
Deery, Michael J., WPS22-16
Deeth, Hilton, WPS24-11
Deininger, Soeren, MPS07-13, TPS12-15,
ThOS31-05
deKeyser, Johan, WOS30-01
dela Rosa, Mira Anne C., MPS31-44

Delaforge, Marcel, WOS26-03
Deleuze-Masquéfa, Carine, MPS06-29
Deli, Maria A., MPS06-14, MPS06-22
Deligiannidis, Kristina M., MOS06-04
Dell, Anne, MPS08-13
Delsuc, Marc-André, MOS01-03,
ThOS33-02
deMello, Andrew, ThPS37-48
Demeyer, Marie, WPS26-61
Deng, Liulin, MPS07-23
Deng, Yan, ThPS37-10
Denisov, Eduard, MOS01-04
Denner, Thomas, WOS24-05, ThPS35-04,
ThPS37-05
Dervilly-Pinel, Gaud, FOS42-03
Desai, Reena, MPS06-04
Desbenoit, Nicolas, MPS02-11,
MPS02-16, TPS20-01, WPS21-17
Desbrow, Claire, MPS06-37, ThPS37-29
Desprez, Alain, ThPS35-12
Deuber, Fabian, TPS43-13
Devenport, Neil, WPS26-15
Dévier, Marie-Hélène, TOS15-02
Dewaele, Debbie, MPS06-60
Di Palma, Serena, FOS45-02
Di Silvestre, Dario, WPS22-09
Diana, Pierrick, WPS27-35
Dier, Tobias, ThPS37-04
Dikkler, Sergej, MPS07-12
Dillen, Lieve, MPS06-41, ThPS33-08
Ding, Chuan-Fan, MPS01-15, MPS07-09
Ding, Xianzhong, MPS01-15
Dittmar, Gunnar, TPS11-31
Dittrich, Petra, TPS17-10
DiTucci, Matthew, TOS13-01
Dixit, Sugyan, MOS05-05
Dlabková, Kristýna, ThPS35-06
Do Nascimento, Mauro, ThPS37-55
Dohahn, Joerg, MPS03-07, MPS31-16,
TOS16-04, TPS11-18
Dokupilová, Svetlana, MPS06-50,
MPS06-53
Domalain, Virginie, ThPS32-05
Dona, Anthony, ThOS31-01
Donald, William, ThPS39-14
Donaldson, Michael, TPS11-09
Doneanu, Angela, TOS19-03
Doneanu, Catalin, TPS11-23
Dong, Yonghui, MPS07-17
Donnarumma, Fabrizio, FOS45-04
Donnini, Silvia, WPS22-09
Donzeli Pereira, Caroline, MPS31-29
Doppler, Maria, WOS26-02
Doronin, Vladimir, ThOS35-05
Dörr, Fabiane, WPS26-30
Dorta, Ladina, ThPS35-13
dos Santos, Vivian, WPS26-49
Dossin, Eric, WPS27-35
Dossmann, Héloïse, FOS42-05
Dostler, Martin, MPS31-48
Douce, David, WPS24-08, WPS24-12,
ThOS36-04, ThPS32-22, ThPS32-27
Douglas, Donald, MPS03-02, MPS03-03

Doulain, Pierre Emmanuel, MPS06-29
Downard, Kevin, PS00-01, MPS06-57,
MPS06-58, WOS28-03, ThOS39-04
Dragan, Irina, MPS08-01
Drechsel, David, TPS11-29
Dreisewerd, Klaus, MOS07-03,
MPS07-04, TPS18-01, WOS21-05,
WPS21-07, ThOS38-05
Dresch, Maria, ThPS36-02
Dresch, Roger, ThPS36-02
Dresen, Sebastian, WPS27-26
Dřevínek, Pavel, WPS24-17
Drewello, Thomas, TPS41-10, TPS41-11,
TPS41-12
Drews, Oliver, MPS06-23
Drozdzov, Vladimir, ThOS35-05
Drury, Tony, TPS42-12
Dryahina, Kseniya, WPS24-13, WPS24-17
Duan, Li-Ping, MPS31-08
Duarte-Salles, Talita, MPS31-51
Duarte, Mariana, TPS12-01
Dubayle, Jean, TOS17-02
Dubey, Girjesh, TPS18-05, ThPS38-17
Dubkov, Michael, MPS03-16, ThPS35-01
Dubois, Philippe, MPS02-02
Ducati, Lucas, TOS13-04
Duchoslav, Eva, WPS26-31
Duckett, Catherine, MPS06-62
Ducoroy, Patrick, MPS31-52
Ducret, Axel, MPS06-54
Ducruix, Celine, MPS06-59, MPS31-12,
TPS12-27, FOS43-05
Duda, Robert, TOS14-05, TPS18-12
Dufour, Jean-François, MPS31-35
Dugo, Paola, ThPS37-42
Dugourd, Philippe, PL06, MOS02-02,
MPS02-02
Duménil, Guillaume, MOS10-02,
TPS17-24
Dunach, Elisabet, TOS18-03
Dunaev, Anatolii, TPS18-06
Dupont, Jairton, WPS27-23
Dupre, Mathieu, TOS11-05
Durand, Geraldine, MPS31-12
Duretz, Benedicte, MPS06-44, MPS06-44
Durr, Michael, WOS21-04
Dürsch, Verena, WPS22-11
Dusek, Martin, WPS24-03
Dvyinin, V. N., MPS01-03, MPS03-05
Dwivedi, Prabha Dwivedi, WOS29-01
Dyagilev, A. A., MPS01-03, MPS03-05
Dyakov, Yuri A., TPS18-09
Dyson, Paul, ThPS33-12

E

Eberl, Anita, MPS06-30
Eberl, Christian H., WPS22-07
Eberle, Rahel, MOS05-04, MOS05-04
Eberlin, Marcos, MPS01-08, MPS01-11,
MPS31-17, TPS12-11, TPS41-14,
TPS12-17, TPS41-30, TPS43-33,
WPS27-01, WPS27-04, WPS29-01
Edgington, Alan, MPS06-37, ThPS37-29

Effendi, Chintya, MPS02-08
 Egger, Alexander, ThOS40-05, ThOS35-03, ThOS40-05
 Eggertson, Michael, WPS28-07
 Eggesbø, Merete, ThPS37-02
 Ehret-Sabatier, Laurence, MPS31-15
 El Khoury, Maroun, TPS42-02
 Eigenmann, Daniela E., MPS06-14, MPS06-22
 Ekström, Simon, MPS06-02, MPS31-52, TPS12-01
 El Aribi, Houssain, MPS06-64
 El Osta, Marven, MPS31-52
 El-Aneed, Anas, MPS06-46, MPS06-46
 El-Baba, Tarick, WPS21-16
 Elie, Nicolas, MPS07-24
 Eliuk, Shannon, ThPS39-11
 Ellis, Shane, MPS07-25, TOS14-01, ThPS32-25
 Elnaggar, Mariam, MPS06-11
 Elvin, Mark, TPS11-34
 Emami Khoonsari, Payam, ThPS33-15
 Enderle, Yeliz, TPS42-04
 Engeser, Marianne, TOS18-02, TPS18-07, TPS41-18
 Engler, Martin S., MPS02-06
 Engst, Wolfram, ThPS36-13
 Enjalbal, Christine, MPS06-29, TPS17-03, MPS03-07, TOS16-04, TPS11-18
 Eppe, Gauthier, ThOS36-04
 Erler, Alexander, ThPS32-11
 Ernst, Günther, TPS20-12
 Ernst, Robert, WOS21-02
 Erra Balsells, Rosa, MPS08-04
 Esaka, Fumitaka, ThPS35-11
 Esquivel, Argitxu, FOS42-02
 Esser, Dominik, WPS26-18
 Eugster, Philippe J., ThPS32-19
 Evain-Brion, Danièle, MPS31-37
 Ewing, Andrew G., TPS20-06
 Eysseric, Helene, MPS06-44

F

Faber, Edgar, MPS06-42, MPS31-47
 Fabrega Prats, Marta, ThPS36-18
 Fabregat-Cabello, Neus, TPS43-11, ThPS37-17
 Fabregat, Andreu, TPS42-11
 Fabri de Resende, Michele, TPS43-33
 Fabris, Daniele, MOS05-05, WOS28-04
 Fabritz, Sebastian, TPS11-28
 Fadgen, Keith, WPS28-07
 Fagerer, Stephan, MPS06-35, FOS45-03
 Fainelli, Ettore, TPS41-05
 Fakler, Bernd, ThPS38-10
 Fan, Peihong, ThPS37-35
 Fandino, Anabel, TPS11-24, TPS43-21, WPS27-09, ThPS36-26
 Fang, Jing, WPS28-07
 Fannes, Thomas, ThPS39-12
 Farré, Isabelle, ThOS31-04
 Farrell, Ross, WPS29-13
 Fatangare, Amol, WPS26-66

Faulland, Alexander, WPS27-24
 Faure, Philippe, MPS06-16
 Favre-Godal, Quentin, ThPS37-35
 Fayzullin, Robert, ThPS37-44
 Fee, Anna, MOS04-05
 Feher, Ioana, TPS43-17
 Feilden, Andrew, MPS02-03
 Feldman, Jonathan, TOS14-05, TPS18-12
 Feldmann, Daniel, TOS20-02
 Feldmann, Jörg, ThOS35-01
 Felice Guidugli, Ruggero Bernardo, MPS01-11
 Felician, Muntean, ThPS36-16
 Fenaille, François, MPS06-59, WPS26-28, TOS11-05
 Feng, Yuehan, FOS44-02
 Fenselau, Catherine, MOS10-01
 Feraudet-Tarisse, Cecile, TOS11-05
 Fergal, Fergal, MOS08-01
 Ferguson, P. Lee, ThOS37-02
 Fermeglia, Maurizio, FOS41-05
 Fernandez Fernandez, Mario, WPS26-24, ThOS33-04
 Fernandez, Facundo, WOS29-01, WPS29-09
 Ferrand, Yann, ThPS32-09
 Ferrari, Allan, WPS44-08
 Ferreira Queiroz, Emerson, MPS08-09, ThPS37-35
 Ferreira, Bruno, TPS41-20, TPS41-30
 Ferreira, Jennifer, TPS12-19
 Ferreirós, Nerea, MPS06-27, TPS12-16
 Ferry, Muriel, WPS21-01
 Fialová, Silvia, MPS06-50
 Fichter, Pélagie, WPS44-12
 Fiedler, Martin G., MPS31-35
 Fiethe, Björn, WOS30-01
 Figueiredo, Alana, WPS44-07
 Figueredo Brasil, Taila, TPS43-33
 Filiou, Michaela D., TOS16-03
 Filippi, Antonello, TPS18-15
 Finamore, Francesco, TPS17-06
 Fioramonte, Mariana, WPS44-06
 Fiorani, Tiziana, MPS01-01
 Fiori, Maurizio, ThPS36-04
 Fischer, Kirsten, WPS26-10
 Fischer, Lukas, MPS03-06, WPS24-14
 Fischer, Michael, WOS24-05, ThPS35-04, ThPS37-05
 Fisher, Keith, FOS44-03
 Fitt, Matthew, ThPS37-43
 Fjærstedt, Karsten, MPS31-14
 Fjeldsted, John, WPS28-11, ThPS32-26
 Flanagan, Michael, WPS27-09
 Fletcher, John, ThOS40-01
 Flinders, Bryn, TPS42-10
 Flitsch, Sabine, MPS07-07
 Foley, Casey, WPS21-16
 Foltynová, Pavla, ThOS35-02, ThPS37-06
 Fongue, Edwige, TOS17-05
 Fonslow, Bryan, MPS06-51
 Fontagné-Dicharry, Stéphanie, ThPS36-43
 Fontaine, Fabien, WPS26-10

Fontana, Pierre, TPS17-06
 Forcisi, Sara, WPS26-64
 Formolo, Trina, ThPS39-13
 Fornelli, Luca, TPS11-30
 Fortes, Claudia, TOS11-04
 Fortier Dion, Annick, MPS06-34
 Fossog, Verlaïne, ThPS37-04
 Fouquet, Thierry, MOS02-04, MPS02-11
 Fournier, Isabelle, TOS20-04, ThOS31-04
 Frache, Gilles, MPS02-11, MPS02-16, WPS21-17
 Fradin, Manon, TOS17-02
 France, Neil, ThOS34-03
 Franceschi, Pietro, MPS07-16, MPS07-17, WPS26-35
 Franceschi, Sophie, TPS43-02
 Francesconi, Kevin A., TPS43-16, WPS27-24
 Francese, Simona, TPS11-08, TPS11-09, TPS42-08
 Franchina, Flavio, ThPS37-42
 Franck, Julien, TOS20-04
 Franco Maggi Tavares, Marina, WPS26-30
 Franco, Caroline, TPS43-33
 François, Yannis Nicolas, ThOS37-05
 Frank, Matthias, WOS29-02
 Frankevich, Vladimir, MPS01-05, WPS21-03
 Frankland Sawaya, Alexandra C.H., WPS26-38
 Fraschetti, Caterina, TPS18-15
 Frazer, William, ThPS32-26
 Frerot, Eric, ThPS36-07
 Freund, Christian, TPS11-16
 Fridström, Anders, MPS31-25, TPS11-06, ThPS37-28
 Friedecký, David, MPS06-42, MPS31-47, WPS26-55
 Friedrich, Jochen, ThOS33-03
 Friedrich, Jörg, TPS42-04
 Friedrich, Kathrin, ThOS31-05
 Frochoux, Violette, TPS11-01
 Frolov, Andrej, MOS09-02, MPS31-36
 Fryčák, Petr, MPS07-14
 Frydman, Chiraz, MPS06-21
 Fuchigami, Sotaro, WPS28-13
 Fuchs, Regine, MPS31-48
 Fuchser, Jens, TPS12-15
 Fujii, Makiko, TPS20-10
 Fujimoto, Ryuji, MOS03-05
 Fujimura, Yoshinori, WPS26-09, WPS27-20
 Fujino, Tatsuya, ThOS40-02
 Fujita, Makoto, WPS21-12
 Fujita, Yowichi, TOS14-02
 Fujiwake, Hideshi, WPS22-08
 Fujiwara, Makoto, MPS01-02
 Fujiwara, Nagatoshi, MPS06-06
 Fujiwara, Yukio, MOS03-03
 Fukuyama, Shusei, TPS43-34
 Fuller, Stephen, MOS04-05
 Funakoshi, Hiroshi, TPS43-34
 Fürstenberger, Cornelia, MPS31-09
 Furtos Matei, Alexandra, TPS42-02

Furuta, Takashi, MPS31-18, MPS31-21
 Fuselier, Steve, WOS30-01
 Fuselli, Sandra Rosa, ThPS37-33, ThPS37-55
 Fuszard, Matthew, WPS22-10
 Füzesi-Levi, Maria Gabriella, WOS28-02, WPS22-16

G

Gabelica, Valérie, MOS05-01, MOS05-02, ThPS32-09
 Gahoual, Rabah, ThOS37-05
 Gaidon, Christian, ThPS38-03
 Gal, Jean-François, TOS18-03, TPS18-03
 Galanski, Markus, ThOS35-03
 Galba, Jaroslav, MPS06-50, MPS06-53
 Galceran, M^a Teresa, ThPS37-15
 Gall, Lidia, MPS07-15
 Gallagher, Richard, ThPS32-27
 Gallant, Vicky, WPS26-10
 Gallardo-Donaire, Joan, WPS27-13
 Gallardo, Karem, TPS17-19
 Gallimore, Peter, MOS04-05
 Gallo Hermosa, Blanca, ThPS36-36, ThPS36-44, ThPS37-33, ThPS37-55
 Gallo, Pasquale, ThPS36-04
 Galozzi, Sara, MPS31-41, TPS11-20
 Gambaro, Andrea, ThPS37-12
 Gamoh, Keiji, MPS31-11
 Gan, Siew Hua, WPS24-02
 Gandhi, Tejas, TPS11-12
 Ganief, Tariq, MPS31-26
 Gao, Shang, MOS05-03
 Garbaras, Andrius, MPS02-17
 Garcia Alonso, Jose Ignacio, MPS06-20, TPS11-22, TPS43-07, WPS26-24, ThOS33-04
 García Montaño, Júlía, TPS43-25
 Garcia, Benjamin A., TOS16-04
 Gardia-Parège, Caroline, TOS15-02
 Garlish, Rachel, ThOS38-03
 Garmon-Lobato, Sergio, ThPS36-36
 Garnett, Shaun, MPS31-26
 Garrido, Bruno, TPS42-24
 Garrigues, Jean-Christophe, TPS43-02
 Gasilova, Natalia, WPS21-22, ThPS37-10, ThPS37-51
 Gasperi, Flavia, WOS24-04
 Gasser, Gilles, ThPS38-03
 Gaték, Jifí, TOS12-03
 Gaugler, Stefan, ThOS31-02
 Gault, Joseph, MOS10-02, TPS17-24
 Gautier, Violette, TOS17-04
 Gavriilidou, Agni Faviola Mika, ThPS38-02
 Ge, Xiao Wei, ThPS36-19
 Geahlen, Robert, TPS17-01
 Gebhardt, Christoph, WOS21-04
 Gehm, Michael, MPS03-14, MPS03-21
 Geiser, Laurent, MOS09-04
 Geisslinger, Gerd, MPS06-27, TPS12-16
 Gelb, Michael, MOS06-05
 Gelinsky, Michael, WPS22-03

Gentzel, Marc, TPS11-29, TPS17-19, WPS22-11
 George, Ed, MPS03-19, ThPS36-16
 George, Jaison P., ThPS35-08
 Gerbaux, Pascal, MPS02-02, TPS18-13, WPS26-61
 Gerlich, Michael, WPS27-05
 Gernert, Claus, TPS41-03
 Geromanos, Scott, WPS26-11
 Gerritsma, Jort, ThOS37-04
 Gervasi, Gaspard, MPS06-59
 Gethings, Lee, MPS31-39, MPS31-49, WPS26-52
 Ghigo, Jean-Marc, MPS31-23
 Ghirardi, Sandrine, MPS31-12
 Ghiulai, Roxana, MPS08-08
 Gholami, Ameneh, ThOS32-02, ThOS32-02
 Ghorai, Suman, FOS45-04
 Ghosh, Dipankar, ThPS36-37
 Giampà, Marco, TPS20-02
 Giannakopoulos, Anastassios, MPS03-11
 Giannoukos, Stamatis, ThOS34-03
 Giesen, Charlotte, ThOS40-04
 Gignes, Didier, FOS41-05
 Gika, Helen, WPS26-04, WPS26-05
 Gil, Sophie, MPS31-37
 Gilard, Véronique, ThPS36-05
 Gilbert, Joshua, TOS18-05
 Giles, Kevin, ThPS32-06
 Gillet, Ludovic, TPS11-18, WOS22-05
 Gillet, Sylvie, MPS31-37
 Gimenez-Cassina Lopez, Begoña, WPS26-38
 Gindro, Katia, WOS26-04, WPS26-37
 Gingras, Anne-Claude, TOS11-01, TOS11-01
 Ginn, Richard, ThPS36-47
 Giordano, Braden C., TPS18-04
 Giorgio, Giorgio, MOS08-01
 Giorgio, Selma, MPS31-17
 Girard, Victoria, MPS31-12
 Girault, Hubert, MPS07-11, WPS21-22, ThPS37-10, ThPS37-51
 Girod, Marion, MOS02-02, WPS27-07
 Giuliani, Alexandre, WOS23-05
 Giusti, Pierre, MOS02-03, ThPS35-12
 Glabonjat, Ronald, TPS43-16
 Glascott-Jones, Andrew, MPS07-08
 Glass, Jeffrey, MPS03-14, MPS03-21
 Glatt, Hansruedi, ThPS36-13
 Glatte, Timo, TOS11-02, TPS11-32, TPS11-33
 Glauner, Thomas, WPS27-09, ThPS36-26
 Glauser, Gaëtan, ThPS37-49
 Glen, Robert, ThOS31-01
 Gloess, Alexia N., WPS24-07
 Gnerre, Carmela, WPS27-15
 Gobinda Bhui, Radha, ThPS33-05
 Goda, Yukihiro, TPS20-13
 Godin, Simon, ThPS36-43
 Godoy, Adriana, TPS12-17
 Goetz, Sebastian, TPS42-13
 Goguen, Robert, TPS42-14

Golf, Ottmar, WOS22-02
 Gombosi, Tamas, WOS30-01
 Gonnet, Florence, MPS31-40
 Gonzalez Antuña, Ana, MPS06-20, TPS11-22, ThOS33-04
 González Méndez, Ramón, ThPS33-09
 González-Menéndez, Pedro, WPS26-24
 Gonzalez, Oskar, WPS27-33
 Goodlett, David, WOS21-02
 Goodman, C. Dean, TOS20-05
 Görgün, Özge, TPS41-19
 Gorshkov, Vladimir, ThPS39-08
 Goscinny, Séverine, WPS24-08, WPS24-09, WPS24-12, ThOS36-04, ThPS32-23
 Goswami, Harehsvar, TPS11-35
 Götz, Christian, TPS43-13
 Gozzo, Fabio, WPS44-06, WPS44-07, WPS44-08
 Grachev, E. Y., MPS01-03, MPS03-05
 Graf, Stephan, ThPS32-03
 Graff, Patrick, TOS17-05
 Graham, David, TPS17-07
 Grand-Guillaume Perrenoud, Alexandre, MPS06-12
 Granitto, Pablo, WOS24-04
 Grant, David, WPS26-11
 Grassmann, Johanna, ThPS37-52
 Gravell, Anthony, WPS21-14
 Gray, Nicola, MPS06-43, MPS06-45
 Grayson, Scott, WPS21-16
 Green, Anthony, MPS07-07
 Green, Karin M., TPS12-19
 Greibe, Eva, TPS17-15
 Griesang, Niels, MPS06-52
 Griffin, Julian, ThPS37-16
 Griffiths, Tom, ThPS36-47
 Griffiths, William, MPS31-31, TOS12-02, TPS12-22
 Grimm, Rudolf, MPS06-49, MPS08-02, MPS08-03
 Grinfeld, Dmitry, MPS03-11
 Groeger, Thomas, WPS24-05
 Groessl, Michael, ThPS32-03, ThPS32-19
 Groh, Ksenia, TPS11-37, WPS22-14
 Grolimund, Daniel, ThOS40-04
 Grollman, Arthur, MPS31-38
 Grønhaug Halvorsen, Trine, ThOS31-03
 Gross, Jürgen, SC01, WPS29-04
 Grossmann, Jonas, TOS11-04
 Grotemeyer, Jürgen, TOS13-05, TPS41-03, TPS41-04, TPS41-06, ThPS32-01, ThPS38-20
 Groves, Kate, WPS28-04
 Grun, Christian, MPS07-02
 Grüning, Anja, TPS42-15, TPS43-09, WPS27-16
 Grützke, Martin, ThPS37-07, ThPS37-08, ThPS37-11
 Gryn'ova, Ganna, TPS41-23
 Grzetic, Josipa, MPS03-20, TPS41-32
 Gschwind, Sabrina, WOS25-05
 Gstaiger, Matthias, WOS22-05

Guaratini, Thais, TPS41-27
 Guarcini, Laura, TPS18-15
 Guella, Graziano, MPS07-17
 Guenther, Sabine, MOS07-05
 Gueraud, Francoise, WPS26-12
 Guérineau, Vincent, ThPS38-07
 Guerreiro, Aline, ThPS36-02
 Guichard, Elisabeth, WPS24-16
 Guidoni, Leonardo, TPS18-15
 Guiffard, Ingrid, ThOS36-03
 Guigues, Elodie, MPS01-04
 Guillarme, Davy, MPS06-12, ThPS32-19, ThPS37-35
 Guillemont, Jérôme, ThPS32-05
 Gülbakan, Basri, ThPS38-02, ThPS38-05
 Güler, Ülkü, TPS11-19
 Gunness, Patrina, TOS11-04
 Günther, Detlef, WOS25-05, ThOS40-04, ThPS35-13, ThPS35-15
 Guntinas-Lichius, Orlando, TPS20-12
 Guo, Meiru, WOS30-05, ThPS33-02
 Guo, Wenjin, WOS30-05
 Guo, Xinhua, MOS05-03
 Guray, Melda Zeynep, MPS31-28
 Gurov, Victor, MPS01-03, MPS03-05, MPS03-16, ThPS33-01
 Gusmini, Bianca, ThPS35-13
 Gutter-Kapon, Lilach, WOS22-03
 Guttman, Andras, MPS06-51
 Gutwirth, Jan, MPS07-03
 Guy, Bruno, TOS17-02
 Guy, Philippe, WPS27-35
 Gyr, Luzia, WPS21-13

H

Haas, Bernd, ThPS39-01
 Habib, Gilbert, MPS06-39
 Habjan, Matthias, WPS22-07
 Hachem, Rabab, ThPS36-05
 Hachenberger, Yves, ThPS38-04
 Haefeli, Walter Emil, TPS42-04
 Hagen, Lars, TPS11-05
 Hajšlová, Jana, WPS26-67
 Häkkinen, Hannu, WOS25-03
 Häkkinen, Merja, WPS22-04
 Halada, Petr, WOS28-05, WPS28-10
 Halket, John, ThOS39-02, ThPS33-14
 Hall, Adam, TPS42-14
 Hall, Zoe, ThPS32-10
 Hallquist, Mattias, MOS04-02
 Halpenny, Michael, TPS43-12
 Hälvin, Kristel, WPS24-10
 Hamada, Akinobu, MPS06-05, TPS20-11
 Hamada, Moriyuki, MPS06-06
 Hamamoto, Yuka, ThPS36-10
 Hamburger, Matthias, MPS06-14, MPS06-22, MPS31-07
 Hamelin, Romain, MOS10-05
 Hamers, Timo, TOS15-05
 Hammann, Phillipe, ThOS37-05
 Hammarström, björn, MPS06-02
 Hampe, Oliver, ThOS32-02

Han, Myungsub, ThPS35-14
 Han, Wei, WPS26-07
 Hanel, Gernot, MPS03-06, WPS24-15
 Hang, Jiliang, TPS43-19
 Hankemeier, Thomas, WPS26-59, WPS27-33
 Hann, Stephan, WPS26-33, WPS26-36
 Hanot, Vincent, ThOS36-04
 Hanrieder, Jörg, TPS20-06
 Hansel, Trevor, MOS06-01
 Hansen, Brian, WOS25-04
 Hansen, Harald Severin, TPS12-20
 Hansen, Steen H., MPS07-06
 Hao, Zhiqi, TPS17-17, ThPS33-10
 Happo, Naohisa, MPS01-02
 Hara, Kana, WPS28-13
 Hardillier, Emmanuel, WPS27-17
 Hardouin, Julie, TOS17-03
 Hari, Yvonne, MPS06-63
 Harman, Christopher, FOS43-01
 Harnau, Ludger, WPS28-14, ThPS38-17
 Harren, Frans, WOS24-02
 Harris, Benjamin L., TOS13-03
 Hart, Philippa, FOS45-05
 Härtel, Christoph, TPS42-21
 Hartinger, Christian, ThOS40-05
 Hartmanová, Lucie, MPS07-14
 Hartmer, Ralf, MPS06-25, WPS28-14
 Hartungen, Eugen, MPS03-06, WPS28-14
 Harvey, Sophie, ThOS32-01
 Hasebe, Naoyuki, TPS43-34
 Hasegawa, Hideki, MPS03-01, WPS21-02
 Haselmann, Kim F., TPS18-08
 Hashimoto, Masahiro, ThPS36-10
 Hashimoto, S., TPS43-24
 Hashimoto, Yuichiro, MPS03-01, TPS42-05, WPS21-02, WPS29-07
 Haslam, Stuart, MPS08-13
 Haslik, Werner, ThOS40-05
 Hassinen, Jukka, WOS25-03
 Hatano, Etsuro, MPS31-30
 Hattendorf, Bodo, WOS25-05, ThOS40-04, ThPS35-13
 Hauberg-Lotte, Lena, ThPS39-04
 Haupt, Alexander, ThPS38-10
 Hauschild, Jan-Peter, MOS01-04
 Havlíček, Vladimír, TPS20-12, ThPS32-14
 Havlik, Marlene, MOS03-01
 Havránek, Emil, MPS06-53
 Hayakawa, Eisuke, WPS26-09, WPS27-20
 Hayakawa, Shigeo, MOS03-05
 Hayenga, Gerd, TPS17-10
 Hayoz, Michael, MPS31-35
 Hazama, Hisanao, MPS07-19, TOS14-02, ThOS40-02
 He, Jiuming, WPS26-19, WPS26-21
 Headley, John, FOS43-03
 Heath, Ester, TPS43-10
 Hebert, Yann, MPS03-19, ThPS36-12, ThPS36-15, ThPS36-16
 Heck, Albert J.R., TOS17-04, TPS11-36, ThPS38-08, FOS44-01

Hee, Daryl Kim Hor, MPS06-13
 Heemskerk, Antonius, MPS08-12
 Heeren, Ron M.A., MOS07-01, MPS07-25, TOS14-01, TPS42-10, ThPS32-25
 Heffeter, Petra, ThOS40-05, ThOS35-03
 Hegemann, Julian, WPS28-08
 Heidelberger, Sibylle, MPS03-07, MPS31-16, TOS16-04, TPS11-18
 Heiles, Sven, TOS13-01
 Heinke, Ramona, WPS26-14
 Heissel, Søren, TPS17-15
 Heldmann, Stefan, ThPS39-04
 Heller, Manfred, MPS06-31
 Hellstrom, Jon, ThPS35-10
 Helttunen, Kaisa, WOS25-03
 Hemberger, Patrick, TPS43-32
 Hembrough, Todd, MPS31-27, TPS11-27
 Hemingway, Martin, ThPS37-27
 Hempelmann, Rolf, ThPS37-04
 Henderson, Les, MPS31-27, TPS11-27
 Hendrickson, Christopher, MOS01-01
 Hengartner, Michael, TPS11-34
 Henning, Henning, MOS08-01
 Hennink, Wim, MPS06-07
 Henrion, André, TPS11-22
 Henriques, Amélia, ThPS36-02
 Hensbergen, Paul J., MOS08-02, MPS08-01
 Hentschel, Andreas, TPS11-13
 Heo, Kyeong, ThPS36-49
 Hepworth, Lorna, MPS07-07
 Herber, Ina, TPS18-02
 Herbig, Jens, MPS03-06, WPS24-14, WPS24-15
 Heringa, Maarten, TPS43-32
 Hermannová, Martina, MPS02-13, ThPS32-14
 Hernández-Cassou, Santiago, ThPS36-11
 Hernandez, Céline, TPS43-35
 Herniman, Julie, ThPS37-22, ThPS37-43
 Herodes, Koit, ThOS33-05
 Herold, Nikolas, MPS06-27
 Heron, Scott, WOS21-02
 Hettich, Timm, WPS26-02, ThOS31-02
 Hevia Sánchez, David, WPS26-24
 Heydel, Jean-Marie, MPS06-16
 Hidas, Anita O, TPS11-37
 Hieftje, Gary M., WOS29-03
 Hildebrand, Diana, TOS14-04
 Hilder, Emily F., MPS31-45
 Hilliard, Mark, MOS08-01, MPS08-10
 Hilt, Florian, MPS02-16
 Hiltunen, Laura, MPS01-06
 Hiraoka, Kenzo, MPS06-10, MPS06-18, MPS31-03, WOS21-03, WPS21-08
 Hirata, Akiyoshi, MPS31-34, ThPS37-23
 Hird, Simon, ThPS36-47
 Hirooka, M., TPS43-24
 Hirose, Kenji, TPS17-11
 Hitzenberger, Jakob, TPS41-12
 Ho, Emmie Ngai Man, TPS42-20
 Ho, Yen-Peng, TPS11-26

Hochkirch, Ulrike, ThPS38-04
Hochstrasser, Denis, MPS06-54, MPS31-09, MPS31-13, WOS23-04
Hodek, Petr, ThPS38-16
Hodík, Jakub, MPS06-15
Höehr, Nelci Fenalti, MPS01-11
Hoffmann, Franziska, TPS20-12
Hoffmann, Jules, PL01
Hoffmann, Ralf, MPS31-36
Hofmann, Johanna, ThPS38-04
Hofstetter, Thomas, MOS09-05, ThPS37-09
Högger, Petra, WPS27-32
Hohmann, Nicolas, TPS42-04
Højrup, Peter, TPS17-15, WPS44-05, ThPS39-10
Holčápek, Michal, MPS07-03, TOS12-03, TPS12-02, TPS12-03, TPS12-12, TPS12-13
Holland, John, WPS24-11
Hollebrands, Boudewijn, MPS07-02
Hollender, Julianne, WPS27-05, TPS43-18, ThOS37-02, ThOS39-03, ThPS33-07, ThPS39-09, FOS43-02
Holmes, Elaine, MPS06-43, ThOS31-01
Holzschuh, Maribete, ThPS36-02
Hongo, Yayoi, ThPS32-16, TPS17-11, TPS41-22, TPS41-26
Honing, Maarten, MPS02-15
Hopfgartner, Gérard, TOS11-03, TPS11-25, WPS26-31, WPS26-46, WPS26-65, WPS27-21, ThPS32-15, ThPS39-06
Hopley, Christopher, TPS42-16, WPS29-02, WPS29-06
Hori, Hirokazu, MPS06-10, MPS31-03
Horkel, Ernst, ThOS32-05
Horn, David, TPS17-17, ThPS33-10
Horner, Julie, ThPS32-20
Hornik, Petr, MPS06-15
Hoshi, Tomoomi, MPS06-18
Hoskovec, Michal, TPS12-10
Hosoda, Kaori, MPS31-18, MPS31-21
Hou, Keyong, TPS20-07
Houen, Gunnar, WPS44-05, ThPS39-10
Houk, R. Sam, ThPS35-13
Houstek, Dominik, MPS06-35
Houtman, Corine, TOS15-05, TPS43-01
Howitt, Crispin, TPS11-35
Hrabakova, Rita, WOS22-04
Hradecký, Jaromír, WPS26-67
Hrdá, Marcel, MPS06-42, MPS31-47
Hsu, Chun-Hua, WPS44-02, WPS44-04
Hsu, Fong-Fu, TPS12-25
Hsu, Kuo-Tung, TPS18-09
Hu, Meng, TOS15-04
Hu, Shen, WPS26-57
Hua, Lei, TPS20-07
Hua, Serenus, MPS08-02, MPS08-03
Huan, Tao, WPS26-07
Huang, Frank, MOS06-01, MPS06-24
Huang, Jiqing, WPS22-17
Huang, Joseph Jen-Tse, WPS44-02

Huang, Minzong, MPS02-19, TPS43-15, WPS29-08
Huang, Ren-Yeong, MPS06-03
Huang, Yingying, TPS12-24, WPS26-55, WPS26-57
Huang, Yu-Chen, WPS27-12
Huang, Yu-Min, MPS01-09
Huang, Yue, WOS21-02
Hubel, Philipp, WPS22-07
Huber, Katharina, ThOS40-03
Huber, Nicole, ThPS39-01
Hubert-Roux, Marie, MOS02-03, ThPS32-05
Huc, Ivan, ThPS32-09
Huckaby, Jacob, WOS29-01
Hudecek, Jiri, ThPS38-16, ThPS38-19
Hudecz, Ferenc, ThPS38-12
Hughes, Christopher, MPS31-49
Humlová, Eliška, WPS26-67
Humston-Fulmer, Elizabeth, WPS24-06
Hunag, Wen-Hsin, MPS31-04
Hung, Ruei-Hung, MPS02-19
Hung, Sheng-Wei, TPS18-09
Hunter, Christie, MPS03-07, TPS11-18, ThPS37-53
Hurley, Michael J., TPS42-20
Husek, Petr, WPS26-22
Husser, Christophe, WPS44-01
Hvattum, Erlend, WPS27-30
Hwang, Euijin, ThPS35-02
Hwang, Eul chul, ThPS36-21
Hwang, Geum-Sook, WPS26-44
Hwang, So-young, ThPS36-34
Hyodo, Tadashi, WPS21-12
Hyung, Seok-Won, ThPS36-23

Iacobucci, Claudio, TOS18-03
Ibanez, Alfredo, WPS22-18
Ibáñez, María, TPS43-11
Ichii, Shoko, WPS27-29
Ichou, Farid, WPS26-32
Ickert, Stefanie, TPS11-07
Ide, Jennifer, TOS20-02
Iden, Charles, MPS31-38
Ifa, Demian, WPS27-01, WPS29-0, FOS42-04
Iglesias-Groth, Susana, WPS27-31
Iguchi, Kohta, MPS31-30
Ihara, Issei, WPS21-15
Ihlenborg, Marvin, ThPS32-01
Iimuro, Ryunosuke, WPS44-13
Ikeda, Noriaki, TPS42-01
Ikegawa, Masaya, MPS31-30, WPS22-08
Ikemoto, Yukiko, TOS14-02
Iliuk, Anton, TPS17-01
Illes-Toth, Eva, MPS06-62
Im, Sohee, ThPS33-06
Imaoka, Naruaki, MOS03-05
Immekus, Florian, WPS28-12
Indelicato, Serena, TPS41-17
Ingelsson, Martin, ThPS33-15

Inoue, Hiroyuki, TPS42-03, WPS29-07
Inui, Norio, WPS21-15
Iordache, Andreea-Maria, ThPS32-08, ThPS32-14
Isaac, Andrew, ThPS39-14
Isaac, Giorgis, WPS26-52
Ishihama, Yasushi, TPS17-02
Ishii, Kazuo, MPS31-18, MPS31-21
Isobe, Takeshi, TPS20-11
Isobe, Toshiaki, ThPS37-45
Itoh, Yoshiyuki, ThPS36-10
Ivanov, Alexander, MPS08-12
Ivanov, Dmitry, TPS18-06
Ivanov, Vladimir, ThPS35-01
Iwamatsu, Masako, ThPS36-45
Iwamoto, Noriko, MPS06-05, WPS26-08
Iwasaki, Noriyuki, MPS31-30
Iwata, Yuko, TPS42-03, WPS29-07
Iyer, Janaki, ThOS37-03
Izumi, Hideaki, MPS06-10, MPS06-18, MPS31-03

J
J Handelsman, David, MPS06-04
Jabs, Wolfgang, MPS06-25, WOS23-04
Jacobs, Andrea, ThOS40-04
Jaehde, Ulrich, WPS22-06
Jagadeesan, Kishore Kumar, TPS12-01
Jägerová, Kateřina, ThPS35-06
Jahn, Sandra, WPS26-46, WPS26-65
Jähne, Evelyn Andrea, MPS06-14
Jaison P., ThPS35-09
Jakobi, Gert, TPS43-31
Jakubowski, Norbert, TPS11-01
Jalili, Pegah R., TPS11-06
Jamin, Emilien, WOS26-03
Janek, Jürgen, WPS22-03
Janfelt, Christian, MPS07-06, TPS12-20
Jänis, Janne, MPS01-06
Jansen, Bas C., MPS08-01
Jansen, Jeroen, WOS26-04
Janssen, Hans-Gerd, MPS07-02
Janulyte, Aurika, MPS01-04, MPS07-22
Jara, Jose, MPS01-08
Jarnier, Frédérique, TOS17-03
Jarroux, Nathalie, MPS31-40
Jaskolla, Thorsten W., TPS18-01
Jaulhac, Benoît, MPS31-15
Javorský, Peter, TPS43-28
Jayasundera, Keerthi, TPS17-01
Jean-Nicolas, Audinot, TPS20-01
Jeanne Dit Fouque, Kevin, WPS28-08
Jeanneret, Fabienne, MPS31-09, MPS31-13
Jeckelmann, Nicolas, ThPS36-07
Jecmen, Tomas, ThPS38-16, ThPS38-19
Jefimovs, Konstantins, MPS06-35
Jenab, Mazda, MPS31-51
Jenkins, Benjamin, ThPS32-10
Jenkins, Timothy, MPS02-02, ThPS37-43
Jensen, Einar, MPS06-09
Jensen, Keld Alstrup, WOS25-04

Jensen, Kenneth B., TPS43-16
 Jenssen, Bjørn Munro, TPS11-05
 Jeong, Yang-Mo, ThPS36-03
 Jersie-Christensen, Rosa, TPS17-09
 Jertz, Roland, ThOS33-03
 Ješina, Pavel, MPS06-15, MPS31-24
 Ježová, Radka, MPS06-15
 Jhang, Siou-Sian, WPS29-08
 Ji, Injung, MPS06-49
 Jimenez Villarin, Javier, TPS43-25
 Jimenez, Mark, MPS06-04
 Jing, Lianpeng, TPS43-31
 Jing, Suo, TPS12-16
 Jinno, Daisuke, MPS31-10
 Jirasko, Robert, MPS07-03
 Jobst, Karl J., TPS43-19
 Johansen, Eric, TOS16-04, TPS11-21
 Johnson, Francis, MPS31-38
 Johnson, Jay, TOS19-03
 Johnson, Nicholas, ThOS32-03
 Jokela, Jouni, ThPS36-38
 Jokinen, Ville, MPS31-52, ThPS37-47
 Jones, Emrys, MOS06-01, WOS22-02, WPS29-12
 Jones, Rhys, MPS06-37, ThPS37-29
 Jonker, Willem, TOS15-05
 Jönsson, Cecilia, WPS22-05
 Jordan, Alfons, MPS03-06, WPS24-15
 Jordan, Gregor, WPS44-01
 Jordan, Holger, TPS12-16
 Jordan, Olivier, MPS08-09
 Jordan, Steve, MPS06-37, ThPS37-29
 Jordens, Jan, MPS02-15
 Jørgensen, Thomas.j.d., TPS41-13
 Jose, Matthew D., MPS31-45
 Josephs, Jonathan, TPS17-17
 Jouanin, Isabelle, WPS26-12
 Jouenne, Thierry, TOS17-03
 Jozwiak, Adam, TPS12-14
 Jufvas, Åsa, WPS22-05
 Jung, Youngae, WPS26-44
 Junot, Christophe, MPS06-59, TOS11-05, TPS12-27, WPS26-28, WPS26-32, FOS43-05
 Jürschik, Simone, MPS03-06, WPS24-15
 Juvonen, Minna, ThPS36-38

K

Kabagena, Erica-Mireille, TPS17-15
 Kacer, Petr, MPS31-42, MPS31-43, WPS26-56
 Kadek, Alan, WOS28-05, WPS28-10
 Kahnt, Ariane, MOS04-04
 Kahraman, Abdullah, FOS44-02
 Kai, Marco, WPS26-60, WPS26-66
 Kaiser, Nathan, MOS01-01
 Kalayda, Anya, WPS22-06
 Kalberer, Markus, MOS04-05
 Kalenius, Elina, WOS25-03
 Kalivodova, Alzbeta, MPS31-47
 Kaljurand, Ivari, TPS18-03
 Kallinger, Peter, MOS03-01

Kammeijer, Guinevere, MOS08-02
 Kammenga, Jan E., TPS11-34
 Kanamori, Tatsuyuki, TPS42-03
 Kaneda, Yasufumi, ThOS40-02
 Kaneko, Akihito, WPS29-07
 Kang, Sun-Ae, ThPS36-29
 Kania, Magdalena, TPS12-14
 Kanický, Viktor, ThOS35-02, ThPS35-03, ThPS35-06, ThPS37-06
 Kannen, Hiroki, ThOS40-02
 Kaplan, Desmond, MPS03-19
 Karasawa, Kaoru, ThPS32-17
 Karg, Erwin, TPS43-31
 Karger, Barry, MPS08-12
 Karlikova, Radana, MPS31-47
 Karu, Naama, MPS31-45
 Kasai, Yosuke, MPS31-30
 Kasama, Takeshi, MPS31-34, ThPS37-23
 Kashima, Hideki, TPS42-05
 Kashtanov, Sergey, TPS43-27
 Kasi Nadar, Mohan, ThPS37-26
 Kasparovska, Jitka, WPS26-42
 Kasparovsky, Tomas, WPS26-42
 Kasper, Dennis, TOS12-05
 Kasper, Stephanie, TPS11-14, TPS11-15
 Kast, Juergen, WPS22-17
 Kasuga, Jun, MPS08-04
 Kasuya, Fumiyo, WPS29-07
 Katagi, Munehiro, TPS42-01
 Katori, Noriko, TPS20-13
 Kaufmann, Christine, ThPS37-52
 Kaupmees, Karl, ThOS33-05, WPS21-05
 Kauppila, Tiina, WPS26-25
 Kawachi, Masanobu, MOS10-04
 Kawaguchi, Yohei, TPS42-05
 Kawahata, Masatoshi, WPS21-12
 Kawai, Yosuke, TOS14-02
 Kawamura, Takeshi, TPS17-08
 Kawana, Shuichi, WPS26-62
 Kawanishi, Masanobu, TPS43-03
 Kawasaki, Hideya, TPS43-04
 Kay, Lorraine, TPS43-22, WPS24-06, WPS26-63
 Kaye, Steve, MPS06-43
 Kazuma, Kohei, TPS41-26
 Kee, Chee Leong, ThPS36-19
 Keelor, Joel, WOS29-01
 Kehrwald, Natalie, ThPS37-12
 Keinänen, Tuomo, WPS22-04
 Kekäläinen, Timo, MPS01-06
 Kelleher, Neil, WOS23-01, WOS23-02
 Keller, Beat, WPS26-41
 Kellmann, Markus, MOS01-04, MPS03-10, ThPS36-25
 Kellner, Ina D., TPS41-10
 Kelm, Jens, TOS11-04
 Kelstrup, Christian, TPS17-09
 Kembouche, Yahia, WOS25-04
 Kempf, Jürgen, TPS42-13
 Kephart, Luke, ThPS33-05
 Keppler, Bernhard, ThOS35-03, ThOS40-05

Keppler, Oliver T., MPS06-27
 Kern, Klaus, TPS18-05, WPS28-14, ThPS38-17
 Kettling, Hans, MOS07-03, MOS07-03, MPS07-04, WOS21-05
 Khairallah, George, TOS13-03, TOS18-04
 Khamehgir, Pegah, ThOS40-03
 Khan, Mohammad Khan, WPS27-02
 Kharlanov, Igor, ThPS35-01
 Kharybin, Oleg, ThOS33-03
 Khoudour, Nihel, ThPS37-13, ThPS37-14
 Kiehne, Andrea, MOS08-05, MPS06-25, TPS42-13, WPS26-06, WPS26-07
 Kil, Yong, ThPS39-13
 Kilgour, David, WOS21-02
 Kilpatrick, Lisa, ThPS39-13
 Kim, Byungjoo, ThPS36-06, ThPS36-23
 Kim, Chulyoung, ThPS36-49
 Kim, Eunjung, ThPS36-29
 Kim, Hugh, WPS28-01, WPS22-01, WPS28-03
 Kim, Hyeo Joong, ThPS36-49
 Kim, Hyun Sik, WOS29-04, WPS21-06
 Kim, Hyunseouk, TOS14-04
 Kim, Jae-Han, MPS08-02
 Kim, Jin-Sook, ThPS36-34
 Kim, Joana, MPS31-17
 Kim, Jongwon, ThPS35-14
 Kim, Sang Kyum, ThPS33-06
 Kim, Seung Yong, WOS29-04, WPS21-06
 Kim, Sook Heun, ThPS35-02, ThPS35-14
 Kim, Sooyeon, ThPS36-29
 Kim, Su Yeon, ThPS36-08
 Kim, Sung Min, ThPS37-41
 Kim, Sunghwan, WPS29-11
 Kim, Young Hwan, TPS12-04
 Kim, Yuran, WPS26-20
 Kimura, Tomoko, WPS27-29
 Kini, Manjunatha, ThOS37-03
 Kinross, James, MOS06-01
 Kinsel, Gary, WPS21-21
 Kinumi, Tomoya, MPS31-06
 Kirchberg, Doreen, WPS26-03
 Kirchgeorg, Torben, ThPS37-12
 Kirk, Ansgar, ThPS32-13
 Kirk, Benjamin, TPS18-10
 Kirmess, Kristopher, WPS21-21
 Kirschbaum, Rolf W., TPS41-11
 Kissling, Jonathan, WPS26-51
 Kitada, Yukio, MPS02-05, MPS02-07
 Kitai, Shiho, TPS43-04
 Kitanaka, Atsushi, TPS41-09
 Kitano, R., TPS43-24
 Kiuchi, Masato, ThPS36-45
 Kiyonami, Reiko, TPS12-24
 Kjeldsen, Frank, TPS41-13, ThPS39-08
 Klebe, Gerhard, WPS28-12
 Klein, Pierre-Andre, TPS17-23
 Kleindienst, Tadeusz E., MOS04-04
 Klimacek, Mario, WPS26-50
 Klitzke, Clécio F., ThPS37-38
 Kluger, Bernhard, WOS26-02, ThOS36-01

Knochenmuss, Richard, WPS21-21, ThPS32-03, ThPS32-19
 Knop, Katrin, MPS02-06
 Koal, Therese, MPS31-02, WPS26-01, WPS26-03
 Kobarg, Jan Hendrik, ThPS39-04
 Kobarg, Jörg, WPS44-08
 Koch, Annika, TPS18-01
 Koch, Wendelin, WPS26-64
 Kodama, Tatsuhiko, TPS17-08
 Koehnke, Jesko, WPS22-10
 Koekkoek, Jacco, ThPS37-02
 Koeleman, Carolien A.M., MPS08-01
 Koellensperger, Gunda, WPS26-33, WPS26-36, WPS26-45
 Kofoed-Sørensen, Vivi, WOS25-04
 Kohlbacher, Oliver, ThOS39-01
 Kohler, Hans-Peter, MOS09-05
 Kohler, Malcolm, WOS24-03
 Köhler, Thilo, TPS11-11
 Köhling, Rudolf, MPS06-35, WPS26-17, WPS26-18, WPS26-27, WPS26-47
 Kohlmann, Markus, MPS06-52
 Kohn, Taylor, MPS07-20
 Koide, Tatsuo, TPS20-13
 Kokesch-Himmelreich, Julia, WPS22-03
 Kolarich, Daniel, ThOS34-01
 Kolkman, Annemieke, FOS43-04
 Kölling, Jan, TPS20-02
 Kollmann, Denise, MPS06-30
 Kołodziejczyk, Aleksandra, ThPS38-09, ThPS38-11, ThPS38-14
 Komáromi, Bonifác, ThPS36-27
 Komarov, Alexander, ThPS36-24
 Konenkov, Nikolai, MPS03-02, MPS03-03
 Konieczna, Lucyna, TPS11-05
 König, Stefan, MOS06-03
 Konijnenberg, Albert, WOS23-03
 Konno, Katsuhiko, TPS41-26
 Kononikhin, Alexey, TPS43-36
 Kool, Jeroen, ThOS37-03, TOS15-05
 Kopaev, Igor, MPS03-11
 Kopčáková, Anna, TPS43-28
 Kopp, Johannes F, ThOS35-01
 Koppel, Ilmar, TPS18-03
 Kopysov, Vladimir, TOS13-02
 Korány, Kornél, ThPS36-41
 Kornauth, Christoph, ThOS40-05
 Kosevich, Marina, WPS28-05
 Koshino, Hiroyuki, TPS41-22, TPS41-26
 Kosjek, Tina, TPS43-10
 Kosok, Max, ThOS32-05
 Kostianen, Risto, ThPS37-47, ThPS37-54
 Kostyukevich, Yury, TPS43-36
 Kothe, Erika, WPS26-60
 Kotiaho, Tapio, ThPS37-47
 Kotiranta, Markus, ThPS36-38
 Kotz, Sandra, WPS22-06
 Koulman, Albert, ThPS32-10, ThPS37-16
 Kouril, Theresa, WPS26-18
 Kourtchev, Ivan, MOS04-05
 Koutaniemi, Sanna, MOS08-03

Koutná, Irena, TPS11-17
 Kovac, Andrej, WPS26-54
 Kozhinov, Anton, MOS01-02, MPS01-13, MPS01-14, ThPS33-17
 Kožich, Viktor, MPS06-15, MPS31-24
 Koziorowski, Thomas, WPS24-07
 Kraft, Vadim, ThPS37-07, ThPS37-08
 Kraj, Agnieszka, MPS06-26, WPS26-26, WPS28-15
 Kramer, Karl, TPS18-06
 Kraemer, Thomas, FOS42-01
 Krasny, Lukas, TPS20-12
 Krattinger, Simon, WPS26-41
 Krause, Eberhard, TPS11-16
 Krauss, Martin, MPS31-50, TOS15-04
 Kriegsmann, Jörg, ThOS31-05
 Kriegsmann, Mark, ThOS31-05
 Krier, Gabriel, ThPS35-12
 Krijt, Jakub, MPS06-15, MPS31-24
 Krisman, David, MPS31-27
 Krismer, Jasmin, MPS06-33, MPS06-35, TPS17-10, FOS45-03
 Krizova, Ludmila, WPS26-42
 Krol, Olesya, ThOS35-05
 Krotov, Grigory, TPS42-17
 Krska, Rudolf, WOS26-02, ThOS36-01
 Krüger, Ralf, WPS26-13
 Krüger, Sascha, TOS13-05
 Krupp, Eva M, ThOS35-01
 Kruve, Anneli, WPS21-05, WPS27-07, ThOS33-05
 Kryuchkov, Fedor, ThPS39-08
 Ku, Wei-Chi, TPS17-02
 Kubo, Ayumi, TPS41-09
 Kuchta, Kevin, ThPS33-05
 Kudin, Lev, TPS18-06
 Kudo, Keiko, TPS42-01
 Kudo, Yukihiko, WPS26-62
 Kuhn, Lauriane, ThOS37-05
 Kuhnle, Gunter Georg, ThPS36-46
 Kuhtinskaja, Maria, MPS06-48
 Kukacka, Zdenek, WPS28-09
 Kukita, Shin, TPS43-34
 Kulhanek, Jaromir, MPS02-13
 Kullmann, Maximilian, WPS22-06
 Kulp, Maria, MPS06-48
 Kulima, Kim, ThPS33-15
 Kumano, Shun, WPS21-02, WPS29-07
 Kumar, Mukesh, TPS11-29
 Kumar, Pranaw, ThPS35-08, ThPS35-09
 Kumar, Sacheen, MOS06-01, MPS06-24
 Kuroпка, Benno, TPS11-16
 Kurulugama, Ruwan, WPS28-11, ThPS32-26
 Kurumizaka, Hiroshi, WPS28-13, WPS44-11
 Kusai, Akihiko, ThPS36-10
 Kutschera, Walter, PL02
 Kutty, Praveen, WPS21-14
 Kuwayama, Kenji, TPS42-03
 Kuzma, Marek, MPS31-42, MPS31-43, WPS26-56
 Kwon, Joseph, WPS26-20
 Kyriazou, Angeliki, WPS26-05

L
 L'Hostis, Guillaume, MPS31-12
 Labat, Laurence, MPS06-44
 Lacombe, Olivier, WPS27-17
 Lacoursière, Jean, MPS06-34, WPS21-09
 Lafaille, Florian, MPS06-29
 Lafitte, Daniel, MPS06-39, MPS06-39
 Lahtinen, Tanja, WOS25-03
 Lai, Mei-Chin, TPS17-18
 Lai, Shu-Jung, TPS17-18
 Lai, Steven, WPS26-11
 Lai, Szu-Hsueh, MPS03-08
 Lai, Yin-hung, MPS03-15, ThPS32-04
 Lam, Yun Wah, MPS31-39
 Lambertsens, Kate Lykke, TPS12-20
 Lamerz, Jens, MPS06-54
 Lammers, Gerwen, WOS24-02
 Lamoree, Marja, MOS09-03, TOS15-01, TOS15-01, TOS15-03, TOS15-05, TPS43-01, ThPS37-02
 Lamour, Valérie, WPS44-12
 Lamourette, Patricia, TOS11-05
 Landuyt, Bart, ThPS39-05
 Lanet, Véronique, MPS31-12
 Lange, Kathrin, MPS03-18
 Lange, Oliver, MOS01-04
 Langejuergen, Jens, ThPS32-13
 Langford, Katherine, FOS43-01
 Langley, John, ThPS37-22, ThPS37-43
 Langridge-Smith, Pat, ThOS38-04
 Langridge, James, MOS07-02, MPS31-49, TOS19-03, WPS26-11, WPS26-52
 Lannfelt, Lars, ThPS33-15
 Lanza, Matteo, MPS03-06
 Lanzini, Justine, TPS12-18
 Lapointe, Joseph, TPS42-14
 Laprade, Bruce, MPS03-13
 Laprèvote, Olivier, MPS31-37, TPS12-18, ThPS37-13, ThPS37-14
 Largiadèr, Carlo, MPS31-35
 Larsen, Barbara, WPS21-16
 Larsen, Lotte, WPS24-11
 Larsen, Søren Thor, ThPS38-06
 Lascoux, David, MPS08-10, TPS11-23, WPS28-07
 Laskin, Alexander, MOS04-01
 Laskin, Julia, MOS04-01
 Lattova, Erika, MPS08-07
 Laurell, Thomas, MPS06-02, MPS31-52, TOS19-01, TPS12-01
 Lauritsen, Frants R, ThPS38-06
 Lavanant, Helene, WPS28-08
 Lavold, Thorleif, TOS19-04
 Law, Henry, TPS17-12
 Lawler, Rose, WPS28-07
 Le Bizec, Bruno, ThOS36-03, FOS42-03
 Le Quéré, Jean-Luc, MPS06-16, WPS24-16, ThPS36-48
 Le, Thao, WPS24-11
 Leach, Franklin, MOS07-01
 Lebeau, Diane, WPS21-01
 Lebee, Clement, ThPS38-07

Lebel, Philippe, TPS42-02
 Leblanc, Eric, ThOS31-04
 Lebreton, Jean-Pierre, TPS43-14, WPS27-18, ThOS36-05, ThPS36-31
 Lechaplais, Christophe, WPS26-43
 Lecoq, Elodie, MPS02-16
 Lee, Ben, MOS04-02
 Lee, Chi-Gyu, ThPS35-11
 Lee, Chuping, TPS18-09
 Lee, Dong Beom, ThPS37-41
 Lee, Dongkun, TPS12-21
 Lee, Hsun, MPS03-15
 Lee, Hui-Ling, WPS26-34
 Lee, Jae Hwan, ThPS36-49
 Lee, Jong Wha, WPS28-03
 Lee, Joon Seok, ThPS37-41
 Lee, Joongoo, ThPS36-08
 Lee, Jua, MPS06-49
 Lee, Jueun, WPS26-44
 Lee, Ki bum, ThPS36-21
 Lee, Kyungtae, ThPS37-24
 Lee, Lawrence Soon-U, MPS06-13
 Lee, Seung hwa, ThPS36-21
 Lee, Shin Jung, WPS22-01, WPS28-01
 Lee, ye ji, ThPS36-01
 Lee, Yin-Yu, TPS18-09
 Lee, Yoon-Suk, TPS43-05
 Lee, Yuan-Tseh, TPS18-09
 Leeman, Mats, ThPS37-29
 Leeming, Michael, ThPS39-14
 Lefay, Catherine, FOS41-05
 Legáth, Jaroslav, TPS43-28
 Legler, Juliette, TOS15-03, ThPS37-02
 Legradi, Jessica, TOS15-03
 Legros, Véronique, MPS02-10
 Lehmann, Rainer, WPS26-64
 Leitner, Alexander, FOS44-05
 Leito, Ivo, TPS18-03, WPS27-07
 Leize-Wagner, Emmanuelle, WPS44-12, ThOS37-05, ThPS38-03
 Lelik, László, ThPS36-27, ThPS36-41
 Lemaure, Vincent, MPS02-02, TPS18-13
 Lemiére, Filip, MPS06-60
 Lemmens, Marc, WOS26-02, ThOS36-01
 Lemoine, Jérôme, MOS02-02
 Lemr, Karel, MPS07-14, ThPS32-08, ThPS32-14
 Lengyel, Jozsef, ThOS34-04
 Leonards, Pim, MOS09-03, TOS15-03
 Lermyte, Frederik, WOS23-03
 Leroux, Fanny, FOS43-05
 Leroy, Eric, TPS43-02
 Lesage, Denis, WPS26-32
 Lescuyer, Pierre, MPS06-54, WOS23-04
 Letarte, Sylvain, WPS21-09
 Letzel, Thomas, ThPS37-52
 Leung, Lisa, WOS21-02
 Levi, Mikael, TPS42-15, TPS43-09
 Levin, Yishai, WPS22-16
 Lewandowski, Michael, MOS04-04
 Lewis, Claire, MPS06-08
 Lewis, Matthew R., ThOS31-01

Li, Anyin, ThOS34-05
 Li, Chen, TPS17-17
 Li, Detian, WOS30-05, ThPS33-02
 Li, Fredrick, TPS42-14
 Li, Fu-An, TPS17-20
 Li, Guohui, TPS17-12
 Li, Haiyang, TPS20-07
 Li, Hongmei, ThPS36-20
 Li, Jian-Zhong, ThPS36-28
 Li, Jing, TPS41-10
 Li, Liang, WPS26-07
 Li, Linfan, TOS19-02
 Li, Liping, WOS25-02
 Li, Ru, WPS22-17
 Li, Xue, WOS24-03
 Li, Xuesong, ThPS32-09
 Li, Zhendong, WPS26-07
 Liang, Suh-Yuen, TPS17-18
 Liang, Tao, WOS21-02
 Liao, Chih-Yu, TPS18-09
 Liao, Shin-Yi, MPS31-04
 Liao, Wei-Li, MPS31-27, TPS11-27
 Libiseller, Gunnar, WPS26-50, WPS27-24
 Liigand, Jaanus, WPS27-07, ThOS33-05
 Lilley, Kathryn, WPS22-16
 Lim, Chul-Joo, ThPS36-29
 Lim, Louise, WPS29-03
 Lim, S. Fern, TOS13-03
 Lim, Young Ran, ThPS35-02
 Lima, Tatiani, WPS44-07
 Limberger, Jones, WPS27-23
 Lin, Gerard, Chun-Hao, WPS44-02
 Lin, Hou-Yu, TPS18-09
 Lin, Jung-Lee, MPS03-08
 Lin, Pei-Yi, MOS06-02, TPS17-02
 Lin, Peng, MOS04-05
 Lin, Pinpin, WPS26-34
 Lin, Shih-Yi, MPS31-04
 Linden, H. Bernhard, WPS21-10
 Linden, Mathias H., WPS21-10
 Lindgren, Charlotte, MPS31-46
 Lindinger, Christian, MPS03-06, WPS24-15
 Linscheid, Michael, TOS16-05, TPS11-01, TPS11-07, ThPS38-04
 Lísá, Miroslav, TOS12-03, TPS12-02, TPS12-03, TPS12-12, TPS12-13
 Lisa, Stork, TPS42-22
 Lisacek, Frédérique, TOS11-03, TPS11-25, ThPS39-06
 Liscio, Camilla, TPS42-16, WPS29-02, WPS29-06
 Lissel, Manfred, TPS20-02
 Liu, Chi Chi, MPS31-39
 Liu, Guozheng, WOS26-05
 Liu, Huei-Ju, WPS26-34
 Liu, Huwei, WOS25-02
 Liu, Xuebo, MPS07-09
 Ljung, Karin, WPS27-28
 Llanes Barakat, Catherine, TPS11-11
 Lobinsky, Ryszard, TL02
 Lochman, Jan, WPS26-42

Lockyer, Nick, MPS07-20
 Lodder, Helen, MPS06-37, ThPS37-29
 Löfgren, Lars, MPS31-22
 Loftus, Neil, WPS27-21
 Loge, Eike, ThPS37-21, ThPS37-53
 Löhmansröben, Hans-Gerd, WPS21-19, ThPS32-11, ThPS32-12
 Longrée, Philipp, TPS43-13, WOS27-02
 Lönnberg, Maria, ThPS33-15
 Loo, Joseph, TL01, ThOS38-02
 Loo, Rachel, ThOS38-02
 Loos, Martin, ThOS39-03, ThPS39-09
 Looser, Pascal, ThPS36-14
 Looser, Ralf, MPS31-48
 Lopes, Norberto, WOS27-03
 Lopez de Alda, Miren, TPS43-10
 Lopez-Hilfiker, Felipe, MOS04-02
 Lopez, Linda, WPS26-57
 Lorenz, Yvonne, TPS18-07
 Lorey, Martina, MPS31-52
 Loss, Carla Giane, MPS01-11
 Lössl, Philip, TOS17-04
 Lou, Hongxiang, ThPS37-35
 Lövgren, Ann, MPS31-46
 Lovrics, Anna, WOS22-02
 Low, Min Yong, ThPS36-19
 Lozan, Ecaterina, MPS06-17
 Lu, I-Chung, TPS18-09
 Lu, Xiwu, MOS10-04
 Luban, Jeremy, TOS11-03, TPS11-25, ThPS39-06
 Lucas, Patrick, WPS24-14
 Lucassen, Arnas, WPS27-34
 Ludwig, Christina, WOS22-05
 Ludwig, Roland, WOS28-05
 Luís Callegari Lopes, João, TPS41-27
 Lukasheva, Elena, MOS09-02
 Lumpi, Daniel, ThOS32-05
 Luo, Qingjie, ThOS34-05
 Luongo, Carl, TOS18-05
 Lutisan, Juraj, MPS01-10
 Lutz, Anna, MOS04-02
 Lyle, Charles, ThPS37-39

M

M-L Sinues, Pablo, WOS24-03
 Ma, Lifu, TPS18-10
 Maass, Peter, MPS07-13, ThPS39-04
 Macak, Jan, MPS07-03
 Maccarrone, Giuseppina, TOS16-03
 Maceluch, Marta Derba, MOS08-03
 Macht, Marcus, TPS17-04
 Machuron-Mandard, Xavier, FOS42-05
 MacPhee, Cait, ThOS32-01
 Macur, Katarzyna, TPS11-05
 Mader, Robert, ThOS40-05
 Maenhaut, Willy, MOS04-04
 Maerk, Tilmann, WOS24-04, ThPS36-35
 Maes, Evelyne, ThPS39-05
 Magara, Masaaki, ThPS35-11
 Magnes, Christoph, MPS06-30, MPS06-38, WPS26-50, WPS27-24

Maier, Alexander G., TOS12-04
 Mailler, Sandrine, MPS31-12
 Mairinger, Teresa, WPS26-33, WPS26-36, WPS26-45
 Maitra, Sushmit, ThPS32-18
 Maître, Philippe, TOS13-03
 Makarov, Alexander, MOS01-04, MPS03-11, TOS13-02, WOS23-02, WOS30-03, WPS21-10
 Makarov, Vasily, MOS01-05
 Maleknia, Simin, WOS28-03, FOS44-03
 Malet-Martino, Myriam, ThPS36-05
 Malfondet, Nicolas, ThPS36-48
 Maljers, Louis, ThPS36-12, ThPS36-15
 Mall, Urs, WOS30-01
 Mallard, Frédéric, MPS31-12
 Mallard, Gary, ThOS39-02
 Malosse, Christian, MOS10-02, TPS17-24
 Mamontov, E. V., MPS01-03, MPS03-05
 Man, Petr, WOS28-05, WPS28-10
 Mandon, Julien, WOS24-02
 Mank, Marko, MPS08-11
 Mann, Greg, WPS22-10
 Manohar, Venkat, ThPS37-26
 Månsson, Marianne, MPS31-46
 Manz, Andreas, TOS19-05
 Maple, Hannah, ThOS38-03
 Marahiel, Mohamed, WPS28-08
 Marais, Berengere, FOS42-03
 Marak, Jozef, ThPS37-18
 Maráková, Katarína, MPS06-47, MPS06-53, ThPS37-37
 Marchand, Adrien, MOS05-02
 Marchand, Philippe, ThOS36-03
 Marchetti-Deschmann, Martina, MOS03-01, ThOS32-05, ThOS32-05
 Marchionni, Mark, TOS20-02
 Marcos, Josep, TPS42-11
 Marcourt, Laurence, MPS06-32, TPS42-18
 Marcus, Katrin, MPS31-41, TPS11-20
 Marder, Todd B., WPS21-10
 Marin, Oceane, WPS26-12
 Marincas, Olivian, TPS43-17
 Marino, Fabio, TOS17-04
 Märk, Lukas, MPS03-06, WPS24-15
 Märk, Tilmann D., MPS03-06, WPS24-15
 Markert, Christoph, TPS42-04
 Markus, Lubeck, TPS11-14
 Marney, Luke, ThPS32-10
 Marquardt, Andreas, ThPS38-11
 Marshall, Alan, MOS01-01
 Marshall, David, TPS18-10, TPS41-23
 Martens, Jonathan, MPS03-20, TPS41-32
 Marti, Guillaume, TPS42-18
 Martijn, Bram, FOS43-04
 Martin Mnatsakanyan, Mariam, MPS08-09
 Martin, Dave, ThPS33-05
 Martin, Elyette, WPS27-35
 Martin, Nathalie, TPS42-21, TPS42-22
 Martin, Ruben, WPS27-13
 Martinez, Franklin, TPS18-11
 Martinez, Jean, TPS17-03

Martínez, Vanessa, WPS27-13
 Martins-Froment, Nathalie, ThPS36-05
 Marx, Gerrit, TPS18-11
 Marx, Kristina, MOS08-05, MPS06-25, TPS17-04
 Masi, Antonio, ThPS36-18
 Massi, Jennifer, ThPS36-37
 Massi, Lionel, TOS18-03
 Masson, Géraldine, ThPS38-07
 Masunaga, Shigeki, TPS43-04
 Masuno, Kyoko, MPS02-07
 Mathias Mueller, MOS01-04
 Matros, Andrea, WOS26-05
 Matsubara, Kohei, WPS26-18
 Matsuda, Natsuki, TPS41-25
 Matsumoto, Yumi, WPS22-08
 Matsunaga, Hironori, MPS31-10
 Matsuo, Jiro, TPS20-10
 Matsuoka, Hisanori, TOS14-02
 Matthäus, Christian, WPS26-60
 Matthews, Dwight, TOS16-01
 Matthews, Ian, TPS12-22
 Mattivi, Fulvio, MPS07-17
 Mattson, Johan, MPS31-35
 Matuschek, Georg, WOS24-05, ThPS35-04, ThPS37-05
 Matuzevicius, Dalius, TPS11-38
 Mauri, Pierluigi, WPS22-09
 Maurizot, Victor, ThPS32-09
 Mautner, Anton, MPS06-38, WPS27-24
 Mayboroda, Oleg A., MOS08-02
 Mayer, Paul, ThOS32-02, FOS41-03
 Mayeux, Charly, TPS18-03
 Mayhew, Chris, ThPS33-09
 Mayor, Michel, PL07
 Maysou, Laurie Anne, MPS06-39
 Mazurova, Martina, ThPS38-19
 Mazzafera, Paulo, WPS27-04
 Mc Dowell, Lauren, ThPS37-25
 McClure, Myra, MPS06-43
 McCullagh, M., WPS24-08, WPS24-09, WPS24-12, ThOS36-04, ThPS32-21, ThPS32-22, ThPS32-23, ThPS32-27
 McCullough, Bryan, TPS42-16, WPS29-02, WPS29-03, WPS29-06
 McFadden, Geoffrey I., TOS20-05
 McGregor, Laura, WPS21-14, ThPS36-40
 McIntosh, Daniel, MOS01-01
 McKee, Thomas, MPS06-54
 McKenzie, Christine, J., TPS41-13
 McKercher, Charlotte, MPS31-45
 McKinney, John D., MOS10-05
 McLoughlin, Niaobh, MPS08-10
 McLuckey, Scott, TOS18-05
 McMartin, Dena, FOS43-03
 Mechelke, Jonas, ThOS37-02
 Médale, Françoise, ThPS36-43
 Medvedev, Evgeny, ThPS35-15
 Mego, Michal, MPS06-53
 Mehl, Florence, WPS26-37
 Meier, Roland, WPS26-27
 Mejía-Ospino, Enrique, MPS01-12

Melichar, Bohuslav, TOS12-03, TPS12-12
 Meljon, Anna, TOS12-02
 Mellerowicz, Ewa J., MOS08-03
 Melnik, Andre, FOS44-02
 Menezes, Riya C, WPS26-60
 Mengerink, Ynze, MPS02-15
 Menikarachchi, Lochana, WPS26-11
 Menin, Laure, ThPS33-11, ThPS33-12
 Mercier, Jean, ThPS39-02
 Meredith, Karina, ThPS35-10
 Mertz, Grégory, MPS02-11
 Meschede Anglada, Laura, TPS43-25
 Meštrović, Ernest, ThPS35-05
 Metalnikov, Pavel, ThPS36-24
 Metzger, Sabine, WPS22-06
 Meyer, Markus, MOS08-05, TPS42-13, WOS23-04
 Mezey, Jakub, MPS01-10
 Mi, Jia, TPS12-05
 Michal, Sharon, WOS28-02
 Michalik, Aleksandra, ThPS32-11, WPS21-19
 Michalski, Annette, TPS11-15
 Michel, Frank, MPS31-25
 Michelsen, Vibeke Barman, MPS06-09
 Mičová, Kateřina, MPS06-42, MPS31-47
 Miekisch, Wolfram, WOS24-01
 Mikaia, Anzor, TPS41-08, TPS42-09, ThPS33-04
 Mikoliunaite, Lina, MPS02-17
 Mikoska, Miloš, MPS31-42, MPS31-43, WPS26-56
 Míková, Radka, TPS12-10
 Mikuš, Peter, MPS06-47, MPS06-50, MPS06-53, ThPS37-37
 Miladinovic, Sasa, TPS11-12
 Milkowski, Carsten, MOS09-02
 Miller, Christine, TPS11-24
 Mills, Graham, WPS21-14
 Milner, Elena, WOS22-03
 Minohata, Toshikazu, TPS42-01
 Mirabelli, Mario Francesco, FOS42-04
 Mirande, Caroline, MPS31-23
 Miraval, Tommaso, WPS27-15
 Mishra, V. G., ThOS35-04
 Mišík, Jakub, MPS06-28
 Mistarz, Ulrik H, TPS18-08
 Mistrik, Robert, MPS01-10, WOS27-01
 Misuno, Kaori, WPS26-57
 Mitchell, Christopher, TPS11-09
 Mitchell, Todd W., TOS12-04
 Mittasch, Juliane, MOS09-02
 Miura, Daisuke, WPS26-09, WPS27-20
 Miura, Makiko, MPS02-07
 Miyagawa, H., TPS43-23, TPS43-24
 Miyagawa, Haruhiko, WPS26-62
 Miyagawa, Hisashi, TPS41-09
 Miyaguchi, Hajime, TPS42-03
 Miyashita, Masahiro, TPS41-09
 Mladěnka, Přemysl, MPS06-28
 Mladić, Marija, ThOS37-03
 Mo, Shunyan, MOS06-04

Mochel, Fanny, TPS12-27
 Mochiji, Kozo, WPS21-15
 Mock, Hans-Peter, WOS26-05
 Moehring, Thomas, MPS03-10
 Moeller, Harald, TPS43-14, WPS27-18, ThOS36-05, ThPS36-31
 Moghaddam, Mehran, TPS20-09
 Mohammad, Sabrai, FOS41-03
 Mohr, Claudia, MOS04-02
 Mokochinski, Joao Benhur, WPS27-04
 Mol, Hans G.J., ThPS37-17
 Molchanov, Vladimir, ThPS35-15
 Moldovan, Zaharie, TPS43-17
 Molina, Jerome, WPS26-12
 Mollah, Sahana, TOS16-04
 Mollo Filho, Pedro Carlos, MPS01-11
 Molnárné Guricza, Lilla, ThPS37-19
 Monastyrskiy, Michael, MPS03-11
 Mondello, Luigi, ThPS37-42
 Monge, Aurelien, WPS27-35
 Monge, Maria Eugenia, WOS29-01
 Moniatte, Marc, MOS10-05
 Moniruzzaman, Mohammed, WPS24-02
 Montagna, Maria, TPS18-15
 Monteau, Fabrice, ThOS36-03, FOS42-03
 Monticeli Cardoso, Aline, WPS44-08
 Moon, Dae Won, PL05
 Moon, Jung Sik, ThPS36-08
 Moore, Ian, TPS11-28
 Moradi-Afrapoli, Fahimeh, MPS06-22, MPS31-07
 Morais, Erica T., TPS41-30
 Moran, Paulo J. P., TPS41-14
 Mordehai, Alex, WPS28-11, ThPS32-26
 Moreau, Stephane, MPS07-21, TPS42-15, TPS43-09, TPS43-23, TPS43-24, WPS24-04, WPS26-62, WPS27-16
 Moreira, Guillaume, FOS41-05
 Morettoni, Luca, WPS26-10
 Morillo Martin, Diego, TPS43-25
 Morin, Sylvie, WPS27-01, WPS29-01
 Moritani, Kousuke, WPS21-15
 Morokuma, Hidetoshi, WPS29-07
 Morris, Micheal, WPS27-19, ThPS32-06, ThPS32-28
 Morrison, Lindsay, FOS41-01
 Morzan, Ezequiel, WOS29-01
 Moscovitz, Oren, WPS44-14
 Moseley, Arthur, WPS26-11
 Mosely, Jackie, WPS27-06, WPS27-19
 Mosialos, Georgios, WPS26-05
 Motoo, Miki, MPS31-21
 Motta, Sara, WPS22-09
 Mouche, Claire, MPS02-12, ThPS37-34
 Moyano, Encarnación, ThPS37-15, TPS43-25
 Mrazek, Hynek, WPS28-10
 Mudhar, Hardeep, MPS31-32
 Mueller, Laarnie, TPS43-31
 Mueller, Markus, TPS11-25, ThPS39-06
 Mueller, Patrick, MPS06-57
 Muirhead, Laura, MPS06-24, WPS29-12
 Múlek, Melanie, WPS27-32

Müllen, Klaus, ThPS32-24
 Muller, Bruno, MPS06-59, MPS31-12
 Müller, Catrin S., ThPS38-10
 Müller, Lars, TPS42-19
 Müller, Markus, TOS11-03
 Muller, Patrick, MPS06-58
 Müller, Thorsten, TPS11-20
 Mundt, Christian, TOS18-02
 Münster-Müller, Sascha, TPS42-23
 Muntean, Felician, MPS03-19
 Murakami, Shinya, WPS26-40
 Murata, Kei, WPS21-10
 Murgia, Irene, WPS22-09
 Murphy, Jim, TOS19-03
 Murray, Benjamin S., ThPS33-12
 Murray, Kermit K., FOS45-04
 Murray, Paul, TPS12-23
 Muscarella, Marilena, ThPS36-04
 Musselman, Brian, TPS42-14, ThPS36-32
 Musso, Johana, MPS31-40
 Múthing, Johannes, MOS07-03, MPS07-04
 Muto, Naomi, TPS41-26
 Myung, Seoung-Woon, TPS43-05

N

Nádosi, Márta, ThPS36-27
 Nagadoi, Aritaka, WPS28-13, WPS44-11
 Nagano, Hisashi, TPS42-05
 Nagao, Hirofumi, MOS03-05
 Nagao, Tatsuhiko, WPS26-09
 Nagornov, Konstantin, MOS01-02, MPS01-13, MPS01-14, ThPS33-17
 Nagoshi, Keishiro, WPS44-13
 Naismith, James, WPS22-10
 Naito, Yasuhide, TPS42-06
 Najdekr, Lukáš, MPS01-10, MPS01-10, WPS26-55
 Najmanová, Iveta, MPS06-28
 Nakagami, Masaki, MPS02-05
 Nakagawa, K., TPS43-23
 Nakagomi, Masaki, MPS02-07
 Nakajima, Hiroki, MPS06-10, MPS06-18
 Nakajima, Mayutaka, MPS31-03
 Nakajima, Yoji, TPS20-10
 Nakamura, Masao, TPS43-34
 Nakamura, Sayaka, MPS31-20
 Nakamura, Takemichi, TPS17-11, TPS41-22, ThPS32-16
 Nakamura, Tomoyuki, WPS22-08
 Nakamura, Yoshitaka, WPS27-29
 Nakayama, Hiroshi, ThPS37-45
 Nakazono, Yukiko, WPS29-07
 Nam, Myung Hee, WPS26-20
 Nan, Bi, WPS26-23
 Nanni, Paolo, TOS11-04
 Nascimento, Heliara, MPS01-08, TPS41-30
 Nattkemper, Tim, TPS20-02
 Naud, Nathalie, WPS26-12
 Naudé, Yvette, ThPS37-25
 Naushad, Mu, WPS27-02
 Navakauskas, Dalius, TPS11-38
 Navakauskiene, Ruta, TPS11-38
 Navarini, Luciano, WOS24-04
 Navarro, Meritxell, ThPS36-11
 Neeson, Kieran, WPS24-09, ThPS32-23
 Neffling, Milla, TPS11-21
 Negreira, Noelia, TPS43-10
 Nemec, Alexandr, WPS24-17
 Nemes, Katalin, ThPS36-27
 Nesatyy, Victor, WOS27-05
 Nesmith, Barry, MPS03-19
 Nestler, Holger, WPS22-13
 Nesvizhskii, Alexey, MOS06-02, TPS17-02
 Neubauer, Stefan, WPS26-33, WPS26-36, WPS26-45
 Neuland, Maike, WOS29-05
 Neumann, Nora, WOS26-02
 Neumann, Steffen, TOS15-04, WPS27-05
 Neuweiger, Heiko, WPS26-06
 Neuzil, Pavel, TOS19-05
 Newsome, G. Asher, TPS18-04
 Newton, Jillian, ThPS37-27
 Nexø, Ebba, TPS17-15
 Nguyen-Huynh, Nha-Thi, WPS44-12
 Ni, Chi-Kung, TPS18-09
 Nichols, David, MPS31-45, WPS29-13
 Nicholson, Jeremy, MPS06-45, ThOS31-01
 Nicol, Gordon, TPS11-06
 Nicoli, Raul, MPS06-12
 Niehaus, Karsten, TPS20-02
 Nieland, Bertram, ThPS32-17
 Nielen, Michel, MPS07-01
 Nielsen, Mette Marie Bruun, TPS12-20
 Niemi, Anneli, ThPS37-01
 Nierengarten, Hélène, ThPS38-03
 Niessen, Wilfried, TOS15-05, ThOS37-03
 Nigg, Erich, TOS11-02
 Niimi, Hironobu, TPS20-10
 Nikitin, Frédéric, TOS11-03, TPS11-25, ThPS39-06
 Nikolaev, Eugene, TPS43-36
 Nikolaev, Evgeny, ThOS33-03
 Nilson, Bo, MPS06-02
 Nilsson, Erik, WOS21-02
 Nilsson, Johan, MPS06-02
 Nilsson, Ralf, MPS31-22
 Nimkar, Subodh, ThPS37-21
 Ninomiya, Satoshi, MPS06-18, MPS31-03, WOS21-03
 Nirasawa, Takashi, MPS31-30
 Nisamedtinov, Ildar, WPS24-10
 Nishimura, Kazushige, WPS21-02
 Nishimura, Yoshifumi, WPS28-13, WPS44-11
 Nishitani, Hayato, WPS22-08
 Nishiwaki, Yoshinori, MPS31-11
 Nissinen, Maija, WOS25-03
 Niu, Xize, ThPS37-48
 Nizkorodov, Sergey, MOS04-01
 Nobe, Yuko, ThPS37-45
 Noh, Mi-Jung, ThPS36-29
 Nokihara, Kiyoshi, MPS31-34, ThPS37-23

Nonami, Hiroshi, MPS08-04
 Nordman, Nina, ThPS37-47
 Nørgaard, Asger W., WOS25-04, WPS27-22, ThPS38-06
 Nortcliffe, Chris, ThOS38-04
 Novak, Michal, WPS26-54
 Novak, Ondrej, WPS27-28
 Novak, Petr, WPS28-09, ThPS38-16, ThPS38-19
 Nováková, Lucie, MPS06-12, MPS06-28, MPS06-40, TPS42-26
 Novotný, Ladislav, MPS06-53
 Nowak, Sascha, ThPS37-07, ThPS37-08, ThPS37-11
 Nozaki, Takenori, WPS26-40
 Nuñez, Oscar, ThPS36-11
 Nussbaumer, Susanne, MOS06-03
 Nussbaumer, Yvonne, WOS24-03
 Nye, Leanne, MPS06-43, MPS06-45, MPS31-39, TPS41-10
 Nylander, Sven, MPS31-22

O

O'Hair, Richard, TOS13-03, TOS18-04, ThPS39-14
 O'Rourke, John, MOS08-01
 O'Kearney-McMullan, Anne, WPS29-03
 Obayashi, Kenichi, WPS26-62
 Odermatt, Alex, MPS31-09
 Oermann, Jens, ThPS32-13
 Oetjen, Janina, ThPS39-04
 Ogata, Koretsugu, MPS07-21
 Oh, Myung Jin, MPS08-02, MPS08-03
 Oh, Sungwhan, TOS12-05
 Ohara, Kazuaki, WPS21-12, WPS27-10
 Ohlendorf, Ruediger, TPS11-22
 Ohlund, Leanne, WPS26-53
 Ojima, Noriyuki, MPS07-21
 Okada, Yutaka, ThPS33-03
 Okamoto, Mami, MPS02-05, MPS02-07
 Okamoto, Tatsuya, MPS31-30
 Oldrati, Vera, ThPS37-49
 Olivero, Sandra, TOS18-03
 Olivos, Hernando J., WPS26-11
 Ollikainen, Elisa, ThPS37-47
 Olsen, Line R., MPS07-06
 Olšovská, Jana, WPS24-03
 Oomens, Jos, MPS03-20, TPS41-32
 Opekarova, Ivana, WPS26-22
 Openshaw, Matthew, MPS06-39, TPS17-08
 Ora, Moriam, WPS27-01
 Orasche, Juergen, TPS43-31
 Ore, Moriam O., WPS29-01
 Oresic, Matej, WOS26-01
 Orfanopoulos, Michael, TPS41-10
 Orlando, Thomas, WOS29-01, WPS29-09
 Ornaty, Olga, FOS45-01
 Orrego-Ruiz, Jorge, MPS01-12
 Ortmayr, Karin, WPS26-36, WPS26-45
 Osanai, Shinobu, TPS43-34
 Osawa, Satoko, TPS20-11
 Osei, Michael, ThPS37-16

Osmolovskaya, Natalia, MOS09-02
 Oss, Merit, ThOS33-05
 Ossipov, Michael, TPS11-03
 Osuga, Junichi, TPS20-10, WPS27-27, ThPS36-10
 Oswald, Isabelle P., WOS26-03
 Ottermanns, Richard, ThPS33-07
 Otto, Johanna, TPS43-13
 Otto, Mike, ThOS31-05
 Oueis, Emilia, WPS22-10
 Oufir, Mouhssin, MPS06-14, MPS06-22, MPS31-07
 Ouidir, Tassadit, TOS17-03
 Ouyang, Xiyu, TOS15-03
 Ouyang, Zheng, SC02, TOS19-02
 Overney, Gregor, ThPS32-26
 Ozeki, Miho, WPS26-40
 Ozlu, Nurhan, WPS22-15

P

Paalme, Toomas, WPS24-10
 Paape, Rainer, MPS06-23, MPS06-25
 Pabst, Martin, MPS06-33, MPS06-35, TPS17-10, FOS45-03
 Padilha, Monica, TPS42-24
 Paehler, Axel, WPS44-01
 Paglia, Giuseppe, WPS26-11
 Pailleux, Florian, MPS31-33
 Paine, Martin, WOS29-01
 Palmer, Andrew, ThPS39-04
 Palmer, Martin, WPS26-52
 Palmgren, Anna-Pia, WPS27-03
 Palsson, Bernhard, WPS26-11
 Palusinska-Szys, Marta, TPS12-14
 Palvannanathan, Raman, ThPS37-26
 Pan, Szu-Hua, MOS06-02
 Pánczél, József, MPS06-52
 Pang, Poh-Choo, MPS08-13
 Panin, Alexander, ThPS36-24
 Panne, Ulrich, MOS02-05, WPS21-18, WPS21-19, WPS21-20
 Papageorgiou, Vasilios, WPS26-05
 Papan, Cyrus, TPS12-09
 Papanastasiou, Dimitris, PL04
 Papouskova, Barbora, WPS26-29
 Parcholarz, Kamila, ThOS32-01
 Parich, Alexandra, WOS26-02
 Paris, Alain, WPS26-28
 Paris, Estelle, WPS26-32
 Park, Jonghoo, TOS14-04
 Park, Ju Yeon, WPS26-44
 Park, Ky Young, WPS26-20
 Park, Mel, MPS02-15
 Park, Myoung Joo, ThPS33-06
 Park, Seongsu, ThPS36-29
 Park, Su-Jeong, ThPS36-34
 Park, Youngho, ThPS37-24
 Parker, Charles, MPS03-21
 Parker, David, WPS27-06
 Parkinson, David, ThPS37-27
 Parra, Na, TPS11-24, ThPS36-26
 Paša-Tolić, Ljiljana, MOS07-01

Pasch, Harald, MOS02-01
 Paskins, Aimee, MPS06-62
 Passig, Johannes, MOS04-03
 Patel, Ekta, TPS11-08
 Pati, Sarah, MOS09-05
 Patil, Avinash A., TOS14-03
 Patiny, Luc, ThPS33-11, ThPS33-12
 Patoprsty, Vladimir, MPS01-10
 Patrick, Jeffrey, WPS24-06, ThPS37-38
 Patschkowski, Thomas, TPS20-02
 Pattison, Christine, ThPS32-27
 Pauly, Matthias, MOS03-04, WPS28-14
 Pavelić, Krešimir, WPS27-27
 Pavelić, Sandra, WPS27-27
 Pawar, Prashant Mohan-Anupama, MOS08-03
 Pazini, Alessandra, WPS27-23
 Peake, David, TPS12-24, ThPS32-20
 Péan, Michel, WOS26-03
 Pearce, Jake, ThOS31-01
 Pedevilla, Hannes, ThPS39-01
 Pellegrini, Erika, TPS17-23
 Pencik, Ales, WPS27-28
 Peng, Li, ThPS39-10
 Peng, Wen-Ping, MPS06-36, TOS14-03
 Pepaj, Milaim, TPS11-10
 Pepporine Lopes, Norberto, TPS41-27
 Pereira Netto, Annibal, TPS43-33
 Pereira, Adriane A., TPS41-20
 Pereira, C. A. M., ThPS32-22
 Pereira, Fiona, ThPS37-48
 Pereira, Gustavo G, TPS12-17
 Pereira, Rosana C. L., TPS41-30
 Perenyi, Dora, MPS06-24
 Perez-Cenci, Macarena, ThPS37-33
 Perez, Emile, TPS43-02
 Perisic, Marija, WPS26-37
 Perret, Alain, MOS08-04, WPS26-43
 Perret, Cécile, ThPS38-03
 Perrot, Nadine, MPS31-23
 Peru, Kerry, FOS43-03
 Pešková, Karolína, MPS06-15
 Peterson, Amelia, MOS01-04
 Petras, Daniel, ThPS37-50
 Petroselli, Gabriela, MPS08-04
 Petrozzi, Sergio, WPS24-07
 Pfeffer, Michel, ThPS38-03
 Pfeiffer, Thomas, WPS27-15
 Pfeuffer, Kevin, WOS29-03
 Pfukwa, Helen, MOS02-01
 Pham Tuan, Hai, WPS26-03
 Phong Nguyen, Tran Xuan, WPS28-12
 Pi, Na, WPS27-09
 Pia, Schöne, WPS26-14
 Pianet, Isabelle, ThPS37-34
 Picard, Pierre, MPS06-34, WPS21-09
 Piconi, Renzo, WPS26-65
 Pichlmair, Andreas, WPS22-07
 Pickup, Kathryn, ThPS32-27
 Picotti, Paola, TPS11-12, WOS22-04, FOS44-02, FOS45-02
 Pierre, Fabrice, WPS26-12

Piešťanský, Juraj, MPS06-47, MPS06-53, ThPS37-37
 Pietsch, Christian, MPS02-06
 Pilařová, Veronika, MPS06-28, WPS27-28
 Pillai, Smitha, WPS22-13
 Pilo, Alice, TOS18-05
 Pinaud, Noel, ThPS37-34
 Pinkasová, Renata, MPS06-15
 Pinsolle, Alexandre, TPS12-07
 Pinto Junior, Ernani, WPS26-30
 Piper, Thomas, TPS42-07
 PirkI, Alexander, MOS07-03
 Pirmoradian, Mohammad, TOS19-04
 Pisarčíková, Jana, TPS43-28
 Plant, Steve, MPS06-37
 Plaßmann, Merle, MPS31-50
 Plath, Logan, TOS14-05, TPS18-12
 Plet, Benoit, ThPS32-19
 Ploy, Marie-Cecile, MOS10-02, TPS17-24
 Plückthun, Andreas, MPS06-21
 Plumb, Robert, MPS06-45, MPS06-43, MPS31-39, TOS19-03, WPS26-11, ThOS31-01
 Poad, Berwyck, TPS18-14
 Polanský, Ondřej, ThPS35-06, ThPS37-06
 Polasek, Miroslav, WOS30-02
 Polat Koken, Ayse, WPS22-15
 Polato, Fabio, MPS31-02, WPS26-01, WPS26-03
 Pollack, Leonhard, WPS21-14, ThPS36-40
 Polverino De Laureto, Patrizia, FOS44-02
 Pomeroy, Robert, TPS43-20
 Pontillon, Yves, MPS01-04
 Pope, Bernard, ThPS39-14
 Pope, Matt, MPS06-23
 Popov, Anton, MPS02-17
 Popov, Igor, ThOS33-03, TPS43-36
 Popp, Jürgen, WPS26-60
 Popp, Oliver, TPS11-31
 Porta, Tiffany, TOS14-01, ThPS32-25
 Portz, Andre, WOS21-04
 Posocco, Paola, FOS41-05
 Pospisil, Pavel, WPS27-35
 Potel, Clément, WPS44-12
 Poteschin, Sergey, ThOS34-02
 Potěšil, David, MPS08-07, TPS11-17
 Potier, Noëlle, WPS44-12
 Potyka, Ute, TPS42-15, TPS43-09, WPS27-16
 Poulin, Gino, TPS11-34
 Powell, Matthew, TPS20-04
 Pozo, Óscar J, TPS42-11, FOS42-02
 Pradeep, Thalappil, ThPS33-05, ThOS34-05
 Prądzińska, Martyna, ThPS38-09, ThPS38-11, ThPS38-13
 Prange, Andreas, TPS43-08
 Prasad, Satendra, ThPS32-20
 Preisler, Jan, ThOS35-02, ThPS35-03, ThPS35-06, ThPS37-03, ThPS37-06
 Prenen, Hans, ThPS39-05
 Pretorius, Nadine, MOS02-01

Prevost, Stephanie, FOS42-03
 Prevot, Andre, TPS43-32
 Prian, Kevin, MPS02-10
 Pricl, Sabrina, FOS41-05
 Prideaux, Brendan, MPS06-11
 Priebe, Hanno, WPS27-30
 Priego-Capote, Feliciano, TPS17-06
 Prieto Perea, Noelia, ThPS36-44
 Pritchard, Caroline, WPS28-04
 Proefrock, Daniel, TPS43-08
 Ptackova, Renata, ThPS38-16, ThPS38-19
 Pudenzi, Marcos A., MPS01-08, MPS01-11, TPS41-30
 Puel, Olivier, WOS26-03
 Puignou, Lluís, ThPS36-11
 Puigventós, Lúdia, ThPS36-11
 Pütz, Michael, TPS42-19, TPS42-21, TPS42-22, TPS42-23

Q

Qiao, Liang, MPS07-11, WPS21-22, ThPS37-10, ThPS37-51
 Qimin, Zhan, WPS26-23
 Qin, Yujiao, MOS05-03
 Quadroni, Manfredo, TPS43-35
 Quaglia, Milena, WPS28-04
 Quan, Quan, TPS17-12
 Quánico, Jusal, TOS20-04
 Queguiner, Laurence, ThPS32-05
 Queiroz, Emerson, MPS06-32, TPS42-18
 Queiroz, Marcos, TPS42-18
 Quek, Yi Ling, ThPS36-19
 Quernheim, Martin, ThPS32-24
 Quinn, John, MOS01-01
 Quintás, Guillermo, TPS43-25
 Quintyn, Royston, FOS41-01

R

Raab, Andrea, ThOS35-01
 Rabe, Rom, MOS04-03
 Raber, Georg, TPS43-16
 Racaud, Amandine, MOS02-03
 Räder, Hans Joachim, ThPS32-24
 Radischat, Christian, MOS04-03
 Radom, Leo, TPS18-14
 Rafalik, Monika, ThPS38-09, ThPS38-14
 Rahman, Md. Matiur, WPS21-08
 Raič, Irena, ThPS35-05
 Raikos, Nikolaos, WPS26-04
 Rajan J Methikkalam, Rabin, ThPS33-05
 Rajan, Meenu Rohini, WPS22-05
 Ramagiri, Suma, TPS11-28, ThPS32-17
 Ramanaviciene, Almira, MPS02-17
 Ramanavicius, Arunas, MPS02-17
 Rambo, Brittany, MPS31-27, TPS11-27
 Rambo, Douglas, ThPS36-02
 Ramil, Maria, WPS24-02
 Ramirez-Ambrosi, María, ThPS36-36
 Ramirez-Hernandez, Tzutzy, MPS31-48
 Raml, Reingard, MPS06-30, MPS06-38, WPS27-24

Ramon, Jan, ThPS39-12
 Ramos, Carlos, WPS44-07
 Rand, Kasper D., TPS18-08
 Rao, Mangala, TPS17-07
 Rao, Ramesh, WPS24-12
 Ras, Robin, WOS25-03
 Räsänen, Riikka-Marjaana, WPS26-25
 Rasines Perea, Zuriñe, ThPS36-44
 Rasmussen, Morten Ib, TPS17-15, WPS44-05, ThPS39-10
 Rathahao, Estelle, WPS26-28
 Ratsameepakai, Waraporn, ThPS37-43
 Rauh, Manfred, MPS31-02
 Rauschenbach, Stephan, MOS03-04, TPS18-05, WPS28-14
 Ray, Andrew, MPS06-08, WPS29-03
 Ray, Kevin, TPS11-06
 Ray, Steven J., WOS29-03
 Razavi, Morteza, MPS06-23
 Raznikov, Valerii, WOS27-04, WPS28-02
 Raznikova, Marina, WPS28-02
 Reale, Samantha, MPS01-01
 Rebane, Riin, ThOS33-05
 Rebuffat, Sylvie, WPS28-08
 Reed, Heath, ThPS39-07
 Regazzetti, Anne, TPS12-18
 Reich, Fraser, ThPS33-09
 Reichenbach, Steve, TPS43-19
 Reid, Helen, MPS06-01
 Reid, Malcolm, FOS43-01
 Reif, Jochen Christoph, WOS26-05
 Reiher, Markus, ThPS35-13
 Reiner, Eric J., TPS43-19
 Reinhard, Raphael, TPS42-04
 Reinhoud, Nico, MPS06-26, WPS28-15
 Reiss, Julius, MOS03-04
 Reiter, Lukas, TPS11-12
 Reller, Armin, ThPS35-04
 Rème, Henri, WOS30-01
 Remeikis, Vidmantas, MPS02-17
 Remes, Phil, ThPS39-11
 Ren, Yue, TOS19-02
 Rentsch, Marco, MPS06-12
 Reschke, Brent, TPS20-04
 Resemann, Anja, MPS06-25
 Reubsæet, Léon, ThOS31-03
 Rewerts, Christiane, TOS16-03
 Rey, Martial, WPS28-10
 Richard, Christian, ThPS33-14
 Richter, Wolfgang, WPS44-01
 Rickhaus, Michel, WPS21-04
 Ridgeway, Mark, MPS02-15
 Riebe, Daniel, ThPS32-11
 Riedel, Jens, MPS06-52, WPS21-18, WPS21-19, WPS21-20
 Riedo, Andreas, WOS29-05
 Rieger, Robert, MPS31-38
 Riggs, Christopher M., TPS42-20
 Righi, Davide, ThPS37-31, ThPS37-35
 Rijs, Nicole, TPS41-07
 Římnáčová, Lucie, WPS26-22

Rinke, Gordon, TPS18-05, WPS28-14, ThPS38-17
 Rissanen, Kari, WOS25-03
 Riveros, José, TOS13-04
 Rizvanov, Ildar, TPS41-28
 Robert-Hazotte, Aline, MPS06-16
 Roblová, Vendula, ThPS37-03
 Rocha, Daniele F. O., MPS31-17
 Rodchenkov, Grigory, TPS42-17
 Rode, Karsten, MOS02-01
 Rodgers, Mary, TOS18-01
 Rodgers, Ryan, MOS01-01
 Rodriguez Cea, Andres, TPS43-07
 Rodriguez-Gonzalez, Pablo, TPS11-22, TPS43-07, TPS43-08, MPS06-20, WPS26-24, ThOS33-04
 Rodríguez, Issac, WPS24-02
 Rodwell, Paul, WPS26-17, WPS26-47
 Rodziewicz-Motowidło, Sylwia, ThPS38-09, ThPS38-11, ThPS38-13, ThPS38-14
 Roessner, Ute, TOS20-05
 Roger, Hendrix, TOS14-05, TPS18-12
 Rohnke, Marcus, WPS22-03
 Rohwer, Egmont, ThPS37-25, ThPS37-32
 Roig-Navarro, Antoni Francesc, TPS43-11, ThPS37-17
 Rolando, Christian, MOS01-03
 Romanelli, Anthony, MPS06-64
 Romano, Andrea, WOS24-04, WPS24-14, ThPS36-35
 Romieu, Isabelle, MPS31-51
 Römpf, Andreas, MOS07-05, TOS20-03, ThOS40-03
 Rončević, Sanda, ThPS35-05
 Rosati, Sara, ThPS38-08
 Roschitzki, Bernd, TPS11-34
 Rosenberger, George, WOS22-05
 Rossetti, Cecilia, ThOS31-03
 Röst, Hannes L., WOS22-05
 Rostaing, Hervé, MPS31-12
 Rosu, Frédéric, ThPS32-09
 Rosulek, Michal, WPS28-09
 Roth, Alexander, WPS26-13
 Rothardt, Judith, TPS43-18
 Rouleau, Alain, MPS31-52
 Roy, Rene, WPS26-53
 Royla, Nadine, TPS11-16
 Rozen, Shelly, WOS28-02, WPS22-16
 Rubbia-Brandt, Laura, MPS06-54
 Rubin, Martin, WOS30-01
 Ruch, David, MOS02-04, MPS02-11
 Rudasova, Marina, ThPS37-18
 Rudaz, Serge, MOS09-04, MPS31-09, MPS31-13
 Rudd, Pauline, MOS08-01, MPS08-10
 Ruff, Matthias, WOS27-02, ThOS39-03, ThPS39-09
 Ruhe, Lena, TPS11-07, ThPS38-04
 Ruiping, Zhang, WPS26-23
 Russell, Zach, MPS03-21
 Ruttkies, Christoph, TOS15-04, WPS27-05
 Rybicka, Magda, MPS06-56
 Ryding, Mauritz, FOS41-02

Ryu, Do Hyun, WPS26-44
 Ryu, Yeonsuk, FOS43-01

S

S. Batth, Tanveer, TPS17-09
 Sabatier, Laurence, MPS31-15
 Sachon, Emmanuelle, WPS22-02
 Sagaert, Xavier, ThPS39-05
 Sagan, Sandrine, WPS22-02
 Sage, Ashley, TPS43-14, WPS27-18, ThOS36-05, ThPS36-31
 Sagi-Kiss, Virag, ThPS36-46
 Saha, Abhijit, ThOS35-04
 Saikusa, Kazumi, WOS28-03, WPS28-13, WPS44-11
 Sainiemi, Lauri, ThPS37-54
 Sainz Menéndez, Rosa Mª, WPS26-24
 Saito, Kazunori, WPS26-09
 Saito, Naoaki, MOS03-03
 Sakai, Seri, MPS31-21
 Sakai, Yuji, WOS21-03
 Sakairi, Minoru, TPS42-05
 Šala, Martin, TPS12-03
 Salanoubat, Marcel, WPS26-43
 Saldova, Radka, MOS08-01
 Salih, Bekir, TPS11-19
 Salorinne, Kirsi, WOS25-03
 Salum, Maria Laura, MPS08-04
 Saluvee, Ave, MPS06-48
 Salvador, Marcos, WPS26-48
 Salzert, Michel, TOS20-04, ThOS31-04
 Salzmann, Stefanie, MOS06-03
 Samii, Kaveh, WOS23-04
 Sampsonidis, Ioannis, WPS26-04
 Samudrala, Devasena, WOS24-02
 Samuelsson, Kristin, ThPS32-27
 Sánchez López, José Antonio, WPS24-01, WPS24-07
 Sanchez, Jean-Charles, TPS17-06
 Sancho, Juan Vicente, TPS43-11, ThPS37-17
 Sandeep, Deshmukh, MPS08-05
 Sander, Julia, TPS42-15, TPS43-09, WPS27-16
 Santamaria, Anna, TOS11-02
 Santana Balbuena, Tiago, WPS44-08
 Santos Júnior, Júlio César, MPS01-11
 Santos, Jandyson, MPS01-08
 Santos, Marcia, MPS08-12
 Santos, Vanessa G., MPS01-08, MPS31-17, TPS41-30
 Sarabia, Daniel, TOS20-05
 Saraji-Bozorgzad, Mohammad Reza, WOS24-05, ThPS35-04, ThPS37-05
 Sarathchandra, Ghadevaru, ThPS36-09
 Sarbu, Mirela, MPS08-08
 Sarkar, Amalendu, MPS02-03
 Sarkar, Depanjan, ThOS34-05
 Sasakawa, Hiroaki, WPS27-27
 Satake, Hiroyuki, MPS03-01
 Satake, Masayuki, ThPS36-10
 Sato, Hiroaki, MOS10-04, MPS02-05, MPS02-07, MPS31-20

Sato, Motohiko, MPS31-30
 Sato, Takafumi, MPS06-06
 Sato, Yoshiaki, TPS43-34
 Satoh, Takaya, TPS20-10, TPS41-09
 Saugy, Martial, MPS06-12
 Saurat, Jean-Hilaire, MPS31-13
 Saurina, Javier, ThPS36-11
 Sawaya, Alexandra, WPS26-48, WPS26-49, WPS27-04
 Saxena, M. K., ThOS35-04
 Scalabrin, Matteo, MOS05-05
 Scalbert, Augustin, MPS31-51
 Schaefer, Jonas, MPS06-21
 Schaefer, Karl-Christian, MOS07-05
 Schaer, Martin, WPS21-13
 Schambony, Alexandra, WPS22-11
 Schänzer, Wilhelm, TPS42-07
 Schaper, J. Niklas, WOS29-03
 Schapiro, Denis, ThOS40-04
 Scheffler, Kai, MPS03-10, ThPS33-10
 Scheibner, Olaf, ThOS38-03, ThPS36-25, ThPS36-37
 Scheller, Henrik, MOS08-03
 Scherl, Alexander, WOS23-04
 Scheubert, Kerstin, WPS26-66
 Schiel, John, ThPS39-13
 Schiffler, Stefan, ThPS39-04
 Schimek, Denise, MPS06-38, WPS27-24
 Schindler, Patrick, TOS17-05
 Schirmer, Kristin, TPS11-37, WPS27-24
 Schlangen, Maria, TPS41-07
 Schlapbach, Ralph, TOS11-04
 Schleuder, Detlev, ThOS36-05
 Schlosser, Gitta, ThPS38-12
 Schlotterbeck, Götz, WPS26-02, ThOS31-02
 Schlüter, Hartmut, TPS11-01
 Schmidberg, Jason, MPS07-07
 Schmidt de Leon, Tobias, MPS08-04
 Schmidt, Alexander, TOS11-02, TPS11-32, TPS11-33
 Schmidt, Eduardo, MPS01-08, MPS01-11
 Schmidt, Jürgen, WPS26-14
 Schmidt, Martin L., TOS18-02
 Schmidt, Melanie, TPS41-18
 Schmit, Pierre-Olivier, MOS08-05, MPS06-25, TPS11-15
 Schmitt-Kopplin, Philippe, WPS26-64
 Schmitter, Jean-Marie, MPS06-17, TPS12-07
 Schnapp, Andreas, ThOS38-05
 Schneider, Birgit, TPS42-13
 Schneider, Gisbert, ThPS38-05
 Schneider, Petra, ThPS38-05
 Schnell, Gilles, MPS31-15
 Schnelle-Kreis, Jürgen, TPS43-31
 Schoeters, Greet, ThPS37-02
 Scholich, Klaus, TPS12-16
 Schollee, Jennifer, ThPS33-07
 Scholten, Arjen, TOS17-04
 Schönbächler, Barbara, WPS24-07
 Schönenberger, Bernhard, WPS26-17, WPS26-18, WPS26-27, WPS26-47

Schoofs, Liliane, ThPS39-05
 Schoumacker, Rachel, MPS06-16
 Schrader, Wolfgang, MPS01-07, ThOS32-04, ThPS37-19
 Schrenzel, Jacques, TPS11-11
 Schriemer, David, WPS28-10
 Schriks, Merijn, TOS15-03
 Schrimpf, Sabine, TPS11-34
 Schubert, Jochen, WOS24-01
 Schubert, Ulrich S., MPS02-06, TPS20-12
 Schueffler, Peter, ThOS40-04
 Schuhmacher, Rainer, WOS26-02, ThOS36-01
 Schulte, Hendrik, TPS43-23, TPS43-24, WPS24-04, WPS26-62
 Schulte, Uwe, ThPS38-10
 Schultz, Patrick, WPS44-12
 Schulz, Oliver, MOS07-05
 Schulze, Tobias, TOS15-04
 Schumacher, Matthias, WPS22-03
 Schumpp, Olivier, WOS26-04
 Schürch, Stefan, MOS05-04, MPS06-63
 Schwab, Nicolas, WPS27-01, WPS29-01
 Schwarz, Esther, WOS24-03
 Schwarz, Gunnar, TOS16-05, TPS11-01, TPS11-07
 Schwarz, Helmut, TPS41-07
 Schwarzenberg, Adrian, WPS26-32, FOS42-05
 Schwarzing, Clemens, MOS02-05
 Schweikhard, Lutz, MOS03-02, MOS03-02, TPS18-11, TPS18-11
 Schymanski, Emma, TOS15-04, WPS27-05, ThPS33-07, FOS43-02
 Scott, C. Ronald, MOS06-05
 Šebela, Marek, MPS07-14
 Sedlářová, Michaela, MPS07-14
 Sedo, Ondrej, MOS10-03
 Seeberger, Peter, ThOS34-01
 Segulier, Julie, MPS06-39
 Segura, Jordi, TPS42-11, FOS42-02
 Seki, Toshio, TPS20-10
 Sekimoto, Kanako, TPS41-25
 Selevsek, Nathalie, TOS11-04
 Selimi, Ali, WPS27-15
 Sellergren, Börje, ThOS31-03
 Selvan, Arul, ThPS39-07
 Semenistaya, Ekaterina, TPS42-17
 Sémon, Etienne, WPS24-16
 Sena-Esteves, Miguel, TPS12-19
 Seneviratne, Chinthaka A., FOS45-04
 Senior, Adam, MPS06-37, ThPS37-29
 Senko, Mike, ThPS39-11
 Seo, Hyewon, ThPS33-06
 Seo, Jerold Jialiang, MPS06-13
 Seo, Jong Bok, WPS26-20
 Seo, Young Suk, MPS08-02, MPS08-03
 Seppi, Daniele, WPS26-01, WPS26-03
 Sergeev, Dmitry, TPS18-06
 Serna, Antonio, MPS03-07, MPS31-16, TOS16-04, TPS11-18
 Serra Clusellas, Anna, TPS43-25

Serra, Blanca, WPS26-10
 Serratrice, Jacques, MPS06-39
 Seto, Carmai, ThPS32-17
 Setou, Mitsutoshi, WS03
 Settineri, Tina, ThPS32-20
 Seulen, Sarah, TPS41-03, TPS41-06
 Seyer, Alexandre, TPS12-27, TPS12-27
 Seymour, Sean, TOS16-04
 Shaffer, Scott A., MOS06-04, TPS12-19
 Shah, Dipti, ThOS35-04
 Shalamzari, Mohammad Safi, MOS04-04
 Shambaugh, Joe, ThPS39-02
 Shang, Jie, ThPS32-09
 Sharafutdinova, Dilyara, ThPS37-44
 Shardakova, Ella, TPS43-27
 Sharon, Michal, WPS22-16, WPS44-14
 Sharov, Grigory, WPS44-12
 Sharp, Barry, MPS06-01
 Shaw, Rachel, ThOS31-01
 Shellie, Robert, MPS31-45, WPS29-13
 Shepard, Jason, ThPS36-32
 Sheraz, Sadia, MPS07-20
 Shevchenko, Andrej, TPS11-29, TPS17-19, WPS22-11
 Shevchenko, Ganna, ThPS33-15
 Shiao, Tze Chieh, WPS26-53
 Shibasaki-Hirano, Hiromi, MPS31-18, MPS31-21
 Shiea, Jentaie, MPS01-09, MPS02-19, TPS43-15, WPS29-08
 Shieh, Yi-Shing, MPS06-03
 Shigeri, Yasushi, MOS03-05, TPS17-05
 Shih, Ying-Chu, TPS11-04
 Shim, Jae-Han, ThPS36-03
 Shima, Masahide, TPS20-10
 Shima, Noriaki, TPS42-01
 Shimada, Takashi, MPS06-05, WPS26-08
 Shimazu, Kozo, MPS06-39
 Shimelis, Olga, TPS43-12
 Shimma, Shuichi, TPS20-11, WPS26-40
 Shin, Hyun-Cheol, TOS14-04
 Shin, Yong-Woo, ThPS36-29
 Shindo, Mitsuru, WPS27-20
 Shinkaruk, Svitlana, MPS06-17
 Shirangi, Mehrnoosh, MPS06-07
 Shirey, Robert, ThPS37-28
 Shirran, Sally, WPS22-10
 Shockcor, John, WPS26-52
 Shoeib, Tamer, MPS06-01
 Sidibe, Jonathan, ThPS32-15
 Siebers, Bettina, WPS26-18
 Sieck, Carolin, WPS21-10
 Sigg, Laura, WPS22-13
 Signor, Luca, TPS17-23
 Sikanen, Lauri, MPS01-06
 Sikanen, Tiina, ThPS37-47, ThPS37-54
 Silcock, Paul, ThPS36-39
 Silless, Gastón, ThPS38-01
 Silva, Denise Brentan, WOS27-03
 Sim, Jae Hun, ThPS36-49
 Simek, Petr, WPS26-22

Simon, Küster, TPS17-10
 Simon, Stephanie, TOS11-05
 Sims, Martin, WPS27-19
 Sindona, Giovanni, FOS42-04
 Singer, Heinz Peter, TPS43-13, TPS43-18, WOS27-02, ThOS37-02, ThOS39-03, ThPS33-07, ThPS39-09, FOS43-02
 Singh, Kapil Dev, TPS11-34
 Sinner, Frank, MPS06-30, MPS06-38, WPS26-50
 Sinyashin, Oleg, TPS41-28
 Sipe, David, TOS14-05, TPS18-12
 Sippula, Olli, MOS04-03
 Siqueira, Carlos, WPS26-48
 Siqueira, Hector, WPS26-48
 Široká, Jitka, MPS06-42, WPS26-55, MPS31-47
 Sit, Alicia, FOS41-03
 Siu, Yik, MOS05-05
 Skeene, Kirsty, MPS06-19
 Skoblin, Michael, MPS03-11
 Skokowski, Jarosław, TPS11-05
 Skyes, David, TPS42-20
 Śladewska-Marquardt, Anna, ThPS38-11
 Slavov, Nikolai, TPS11-02
 Sleno, Lekha, WPS26-53
 Slovák, Kristína, ThPS32-08, ThPS32-14
 Slowik, Jay, TPS43-32
 Slupphaug, Geir, TPS11-05
 Smejkalova, Daniela, MPS02-13
 Smiatacz, Tomasz, MPS06-56
 Smit, Elize, ThPS37-32
 Smit, Martine, ThOS37-03
 Smith, David, MPS06-62
 Smith, Donald, MOS07-01
 Smith, Rachel, TPS12-26
 Smith, Steve, WPS21-14, ThPS36-40
 Smrke, Samo, WPS24-07
 Snoek, Basten, TPS11-34
 Sobek, Jens, FOS45-03
 Sobott, Frank, MPS06-60, WOS23-03
 Söderling, Ann-Sofi, MPS31-46, MPS31-46
 Söderquist, Marcus, MPS31-14
 Sogi, Masanobu, MOS03-05
 Soichot, Marion, ThPS37-13, ThPS37-14
 Sokolová, Jitka, MPS31-24
 Solassol, Isabelle, MPS06-29
 Solich, Petr, MPS06-28, MPS06-40
 Soliymani, Rabah, MPS31-52
 Soltero, Nina, ThPS39-11
 Soltwisch, Jens, MOS07-03, MPS07-04, ThOS38-05, WOS21-05, WPS21-07
 Somikova, Zuzana, WPS26-54
 Somoano Blanco, Lourdes, ThOS33-04, TPS43-08
 Somsen, Govert, MPS06-07, ThOS37-03, TOS15-05
 Song, Jae-Sang, ThPS36-34
 Song, Kyuseok, ThPS35-11
 Song, Yang, MPS02-18, FOS41-01
 Song, Yongmei, WPS26-21

Soo, Po-Chi, MPS06-36
 Soos, Miroslav, MPS06-33
 Sørensen, Vivi K, ThPS38-06
 Sorg, Olivier, MPS31-13
 Soste, Martin, WOS22-04, FOS44-02
 Soukupova, Magdalena, TOS16-03
 Spaggiari, Dany, MOS09-04
 Španěl, Patrik, WPS24-13, WPS24-17
 Spano, Giuseppe, ThPS36-35
 Sparkman, David, SC01
 Spector, Almog, WPS44-14
 Spengler, Bernhard, MOS07-05, TOS20-03, ThOS40-03
 Speybrouck, David, ThPS32-05
 Spiller, Sandro, MPS31-36
 Spyrelli, Evgenia, WPS26-05
 Srzentic, Kristina, TPS11-30
 Staab, Dieter, MPS07-10
 Staack, Roland, WPS44-01
 Stacchini, Paolo, ThPS36-04
 Stafford, George, WPS28-11, ThPS32-26
 Stahl-Zeng, Jianru, TPS43-14, WPS27-18, ThOS36-05, ThPS36-31
 Stahl, Bernd, MPS08-11
 Stalke, Piotr, MPS06-56
 Stamme, Imke, TPS42-19, TPS42-21
 Staples, Gregory, MPS08-03
 Stead, Sara, ThPS32-21
 Stefan, Gabriel, MOS02-05
 Stefanello, Maria, WPS26-48
 Stein, Stephen, WS06
 Stein, Steve, ThOS39-02
 Steiner, Carine, MPS06-54
 Steinhoff, Robert, MPS06-33, MPS06-35, TPS17-10, FOS45-03
 Steiniger, David, ThPS36-39
 Steinkamp, F. Lucus, TPS18-04
 Stejskal, Karel, TPS11-17
 Stejskal, Stanislav, TPS11-17
 Stengel, Benjamin, MOS04-03
 Stengel, Florian, FOS44-05
 Stephens, Kerry, MPS06-37, ThPS37-29
 Stepien, Magdalena, MPS31-51
 Stiborova, Marie, ThPS38-16
 Stiles, Charles, TOS20-02
 Stindt, Arne, WPS21-20
 Stöcklin, Reto, ThPS37-49
 Stoeckli, Markus, MPS07-10
 Stoermer, Carsten, WOS23-04
 Stokes, Peter, WPS27-06
 Stoner, Brian, MPS03-21
 Stoudemayer, Melissa, MPS06-46
 Strålfors, Peter, WPS22-05
 Strambio De Castillia, Caterina, TPS11-25, ThPS39-06
 Stratton, Tim, MPS01-10, TPS42-02
 Strauss, Volker, MPS31-48
 Stravs, Michael Andrej, ThOS37-02
 Streibel, Thorsten, MOS04-03
 Strittmatter, Nicole, MOS06-01, WOS22-02
 Strupat, Kerstin, MPS03-10

Stuani, Lucille, WPS26-43
 Študent, Vladimír, TPS12-12
 Su, Hung, MPS01-09
 Šubčíková, Lenka, TPS12-10
 Subra, Gilles, TPS17-03
 Subramanyam, Saravanan, ThPS37-26
 Suckau, Detlev, MPS06-21, MPS06-23, MPS06-25
 Sudano, Mateus J., TPS12-11
 Suga, Masao, MPS03-01
 Sugahara, Kohtaro, TPS41-21, WPS26-39
 Sugai, Toshiki, WPS27-29
 Sugaya, Masakazu, TPS42-05
 Sugiura, Yuki, TPS20-08
 Sugiyama, Masuyuki, WPS21-02
 Suh, Jung Hyuck, ThPS36-08
 Sui, Ping, TPS11-03
 Sulaiman, Siti Amrah, WPS24-02
 Sulc, Miroslav, ThPS38-16, ThPS38-19
 Sulimenkov, Ilia, WOS27-04
 Sultan, Abida, TPS17-09
 Sulyok, Michael, ThOS36-01
 Sulzer, Philipp, MPS03-06, WPS24-15
 Sumitomo, Kazuhiro, TPS43-34
 Sun, Chia-Sui, WPS44-02
 Sun, Cuirong, ThPS37-46
 Sun, Helen, ThPS36-12
 Sun, Liwei, MOS10-04
 Sun, Shuqi, MPS02-18
 Surindar Singh, Gurmeet Kaur, MPS06-04
 Süßmuth, Roderich D., ThPS37-50
 Sutani, Akihisa, TPS20-11
 Suter, Marc, TPS11-37, WPS22-13, WPS22-14, ThPS37-40
 Suzuki, Daisuke, ThPS35-11
 Suzuki, Ken-ichiro, MPS06-06
 Suzuki, Koichi, TPS42-01
 Suzuki, Naoto, MPS31-10
 Suzuki, Takahito, WPS27-29
 Suzuki, Yasuhiro, MPS02-07
 Svačinová, Renata, MPS06-15
 Svane, Simon, TPS41-13
 Svatoš, Aleš, WPS26-60, WPS26-66
 Swaminathan, Kavaya, MPS06-58, ThOS39-04
 Swart, Kees, TPS43-01
 Swarup, Sanjay, WOS27-05
 Swieżewska, Ewa, TPS12-14
 Symonds, Joshua, WOS29-01, WPS29-09
 Syslová, Kamila, MPS31-42, MPS31-43, WPS26-56
 Sysoev, Alexey, ThOS34-02
 Syvänen, Stina, TPS20-06
 Szakacs, Gergely, WOS22-02
 Szensy, Matthias, TPS42-12, ThPS36-17
 Szeto, Paddy, MOS04-05
 Szeto, Samuel, TPS17-12
 Szymańska, Aneta, ThPS38-09, ThPS38-11, ThPS38-13, ThPS38-14
 Szymanski, Władysław, MOS03-01

T
 Tabersky, Daniel, ThPS35-15
 Tabet, Jean-Claude, MOS08-04, WPS26-28, WPS26-28, WPS26-32, WPS26-32, WPS26-43, ThPS38-18, ThPS38-18, FOS42-05, FOS43-05
 Tacon, Philippe, ThPS36-43
 Tadrist, Souria, WOS26-03
 Tagarelli, Antonio, FOS42-04
 Tajiri, Michiko, TPS17-11
 Takada, Yasuaki, TPS42-05
 Takahashi, Katsutoshi, TPS20-05, WPS26-09
 Takahashi, Nobuhiro, ThPS37-45
 Takahashi, Shunya, TPS41-22, TPS41-26, ThPS32-16
 Takao, Toshifumi, MPS31-29
 Takats, Zoltan, MOS06-01, MPS06-24, WOS22-02, WPS29-12, ThOS31-01
 Takatsu, Akiko, MPS31-06
 Takayama, Mitsuo, TPS41-25, WPS44-13
 Takeda, Sen, MPS06-10, MPS06-18, MPS31-03
 Takeuchi, Takae, TPS17-11, TPS41-22, WPS27-29, ThPS32-16, ThPS36-45
 Talaga, Philippe, TOS17-02
 Tamura, Jun, ThPS36-10
 Tamura, Tomohiko, MPS06-06
 Tanabe, K., TPS43-24
 Tanabe, Kunio, MPS06-10, MPS06-18, MPS31-03
 Tanaka, Koichi, MPS01-02
 Tanaka, Masaki, TPS41-21
 Tanaka, Reiko, MPS31-20
 Tang, Wilfred, ThPS39-13
 Tang, Yang, TPS20-09
 Tanihata, Hiroshi, MPS06-10, MPS06-18
 Tanino, Ryosuke, TPS20-11
 Tanner, Greg, TPS11-35
 Tanner, Martin, WOS25-05, ThPS35-16
 Tanner, Scott, FOS45-01
 Tao, Andy, TOS17-01, TPS17-01
 Tao, Cheng, MPS02-01
 Tao, Qingping, TPS43-19
 Taoka, Masato, ThPS37-45
 Tappy, Luc, WOS24-02
 Tashiro, Kei, MPS31-30, WPS22-08
 Tata, Alessandra, TPS12-11, WPS27-01, WPS29-01
 Tatlay, Jaspaul, WPS26-07
 Taura, Kojiro, MPS31-30
 Tautenhahn, Ralf, WPS26-55
 Taylor, Adrian, WPS27-26
 Taylor, Lester, WPS27-09, ThPS36-26, TPS11-24
 Taylor, Richard, ThOS38-03
 Taylor, Stephen, ThOS34-03
 Tellström, Verena, WPS26-06
 Telmore, Vijay M., ThPS35-09
 Tempone, Andre Gustavo, WPS26-30
 Tenkanen, Maija, MOS08-03
 Ter Halle, Alexandra, TPS43-02

Terada, Koichi, TPS42-05
 Teramoto, Kanae, MPS06-06
 Teruel, Mary N., TOS16-02
 Terui, Yasushi, MPS03-09
 Tessaro, Elias, TPS41-30
 Testet, Eric, TPS12-07
 Theiner, Sarah, ThOS35-03, ThOS40-05
 Theodoridis, Georgiostheodoridis, WPS26-04
 Thevis, Mario, TPS42-07
 Thirkell, Laurent, WOS30-03
 Thissen, Roland, WOS30-03
 Thøgersen, Janne, WPS28-06
 Thomale, Jürgen, ThPS38-04
 Thomas-Oates, Jane, MPS06-19, TPS12-26
 Thomas, Dominique, MPS06-27, TPS12-16
 Thomas, Kevin, FOS43-01
 Thompson, J. Will, WPS26-11
 Thompson, K. Clive, ThPS37-27
 Thorn, Jim, MPS06-51, MPS08-12
 Thornton, Joel, MOS04-02
 Thorsby, Per Medbøe, TPS11-10
 Thorsen, Michael, WPS28-06
 Thurn, Heinke V., ThPS38-20
 Thyagarajan, Janani, ThPS37-26
 Thyparambil, Sheeno, MPS31-27, TPS11-27
 Tiffner, Katrin, MPS06-38
 Tille, Jean-Christophe, MPS06-54
 Tintaru, Aura, MOS02-02, FOS41-05
 Tobolkina, Elena, WPS21-22
 Todokoro, Yasuto, WPS44-11
 Todua, Nino, TPS41-08, ThPS33-04
 Toelgyesi, Laszlo, WPS27-09
 Tölgyesi, László, TPS43-21
 Tomalová, Iva, MPS01-05, ThOS35-02, ThPS35-03, ThPS35-06, ThPS37-06
 Tomar, B. S., ThOS35-04
 Tominaga, Masahide, WPS27-10
 Tominaga, Yuki, MPS31-34
 Tomioka, Yoshihisa, MPS31-10
 Tonoli, David, MPS31-09, MPS31-13
 Touboul, David, MPS07-24, ThPS38-07
 Touzé, Sébastien, ThPS39-12
 Towers, Mark, MOS07-02, TPS12-23
 Toyoda, Michisato, MOS03-05, MPS07-19, TOS14-02, TPS41-09, WPS26-40, ThOS40-02
 Tran, Phuong, TOS12-04
 Tran, Tran, WPS26-07
 Tranchida, Peter, ThPS37-42
 Trausinger, Gert, WPS26-50
 Treble, Pauline, C, ThPS35-10
 Trede, Dennis, MPS07-13, TPS20-12, ThPS39-04
 Treigyte, Grazina, TPS11-38
 Trentin, Anna Rita, ThPS36-18
 Tretyakov, Kirill, TPS42-09
 Trevitt, Adam, TPS18-14
 Trimpin, Sarah, WPS21-16
 Trinh, Hung, TPS17-07
 Trnovec, Tomáš, ThPS37-02

Trofimova, Ekaterina, TPS41-28
 Trubitsyn, Andrey, MPS03-16, ThPS33-01
 Tsai, Chia-Feng, MOS06-02, TPS17-02, TPS17-02
 Tsai, Ming-Hsien, WPS26-34
 Tsai, Tsung-Yu, MPS31-04
 Tseng, Cheng-Ming, TPS18-09
 Tseng, Chiao-Li, WPS26-07, WPS44-02, WPS44-04
 Tsiatsiani, Liana, TPS11-36
 Tsipi, Despina, ThPS36-22
 Tsou, Chih-Chiang, MOS06-02, TPS17-02
 Tsubata, Yukari, TPS20-11
 Tsuchihashi, Hitoshi, TPS42-01
 Tsuji, Makoto, MPS31-10
 Tsuji, Yudai, WPS22-08
 Tsujikawa, Kenji, TPS42-03
 Tsukamoto, Hiroki, MPS31-10
 Tsybin, Yury O., MOS01-02, MPS01-13, MPS01-14, TPS11-30, TPS41-24, WOS23-04, ThPS33-12, ThPS33-17
 Tufi, Sara, MOS09-03
 Tulej, Marek, WOS29-05
 Tuomainen, Päivi, MOS08-03, ThPS36-38
 Turck, Christoph W, TOS16-03
 Turco Liveri, Vincenzo, TPS41-17
 Turecek, Frantisek, MOS06-05
 Turkina, Maria V., WPS22-05
 Turkowitsch, Anton, TPS41-29
 Turner, Leo, MPS06-04
 Turzíkova, Jarmila, WPS24-13
 Tzirakis, Manolis D., TPS41-10

U

Ubhayasekera, Kumari, TPS12-05
 Ubukata, Masaaki, TPS43-19
 Uchida, Takeshi, MPS06-18
 Ueda, Yoshihisa, ThPS36-10, TPS20-10
 Uemoto, Shinji, MPS31-30
 Ueta, Gen, ThPS37-23
 Ugarov, Michael, WPS27-09
 Uggerud, Einar, FOS41-02
 Ujma, Jakub, ThPS32-06
 Ulshöfer, Thomas, TPS12-16
 Ungar, Daniel, MPS06-19
 Unno, Yumi, MPS07-21
 Uray, Katalin, ThPS38-12
 Urcuyo, Roberto, TPS18-05
 Urgast, Dagmar S, ThOS35-01
 Ursini, Ornella, WPS27-31
 Usui, Kiyotaka, TPS42-01

V

V. Olsen, Jesper, TPS17-09
 Vacek, Jan, WPS26-29
 Vaculovič, Tomáš, ThOS35-02, ThPS35-03
 Vaher, Merike, MPS06-48
 van Beek, Teris, MPS07-01
 van Belkum, Alex, MPS31-12
 van Breusegem, Frank, TPS11-36
 Van de Bor, Margot, ThPS37-02

van de Waterbeemd, Michiel, TOS17-04
 Van den Bulck, Alexander, ThPS39-12
 van den Toorn, Henk, TPS11-36
 van der Hoeven, Rob, ThOS37-04
 van der Oost, Ron, TOS15-03
 van Dorsselaer, Alain, WPS28-12, WPS44-09
 Van Nostrum, Cornelus, MPS06-07
 van Oudenaarden, Alexander, TPS11-02
 Van Ravenzwaay, Ben, MPS31-48
 van Scheppingen, Wibo, ThOS37-04
 van Soest, Remco, ThPS37-21, ThPS37-53
 van Vliet, Michael, WPS27-33
 Vanbellinghen, Quentin, MPS07-24
 Varbanov, Hristo P., ThOS35-03
 Varesio, Emmanuel, TOS11-03, TPS11-25, WPS26-31, WPS26-46, WPS26-65, WPS27-21, ThPS32-15, ThPS39-06
 Varga, Janos, WOS24-05, ThPS35-04, ThPS37-05
 Varga, Zsuzsanna, ThOS40-04
 Varón Silva, Daniel, ThOS34-01
 Vaz, Boniek, MPS01-08
 Veizerová, Lucia, MPS06-50, MPS06-53
 Velebny, Vladimir, MPS02-13
 Vendramini, Pedro, MPS01-08, TPS41-14, TPS41-30
 Vénisseau, Anaïs, ThOS36-03
 Vens-Cappell, Simeon, MOS07-03, MPS07-04
 Ventura, Rosa, TPS42-11, FOS42-02
 Venturi, Miro, MPS06-54
 Vepsäläinen, Jouko, WPS22-04
 Verano-Braga, Thiago, ThPS39-08
 Verdié, Pascal, TPS17-03
 Verenchikov, Anatoly, MOS01-05
 Vereyken, Liesbeth, ThPS33-08
 Vermeulen, Michiel, WOS22-01
 Vermeylen, Reinhilde, MOS04-04
 Vernex-Loiset, Lionel, ThPS35-12
 Veron, Laurent, MPS31-12
 Verschueren, Annie, MPS06-39
 Veselkov, Kirill A., WOS22-02
 Vesseccchi, Ricardo, TPS41-27
 Vestergaard, Anne-Kathrine, WPS44-05
 Vetere, Alessandro, ThOS32-04
 Veuthey, Jean Luc, MPS06-12
 Vezina, Amelie, WPS26-53
 Vialle, Sandrine, TOS17-02
 Vichalkovski, Anton, WOS22-05
 Vickerman, John, MPS07-20
 Vidal-de-Miguel, Guillermo, WPS29-05
 Vietri, Anita, WPS24-07
 Viganí, Gianpiero, WPS22-09
 Vikić-Topić, Dražen, WPS27-27
 Vilachã Ferreira, Bruno R., TPS41-14
 Vilbaste, Allan, WPS24-10
 Villard, Claude, MPS06-39
 Villatoro, José, ThPS32-11
 Villiger, Thomas, MPS06-33
 Viloria-Bernal, Maria, ThPS36-36

Vilppo, Teemu, MPS01-06
 Vinatier, Denis, ThOS31-04
 Vincendet, Jean-Baptiste, TPS12-08, TPS12-09, WPS26-15
 Vincent, Karen, TOS17-05
 Viner, Rosa, MPS08-12
 Virgiliou, Christina, WPS26-04, WPS26-05
 Vissers, Johannes, MPS31-49, TPS12-23
 Vistoli, G., TPS17-21
 Vit, Martin, TPS12-06
 Vitek, Olga, WS02
 Vladimirov, Gleb, ThOS33-03
 Vičková, Hana, MPS06-40
 Vlckova, Silvia, MPS01-10
 Vogler, Bernadette, TPS43-13, WOS27-02
 Vojs Stanova, Andrea, ThPS37-18
 Volland, Herve, TOS11-05
 Volmer, Dietrich, ThPS37-04
 von Daalen, Rob, WS04
 von Eggeling, Ferdinand, TPS20-12
 von Gernler, Marc, TPS41-10, TPS41-12
 Votruba, Jiří, WPS24-13
 Vrána, David, TOS12-03, TPS12-12
 Vrba, Jiri, WPS26-29
 Vrbková, Blanka, ThPS37-03
 Vreeken, Rob J., WPS27-33
 Vrkslav, Vladimír, TPS12-06, TPS12-10
 Vrobel, Ivo, MPS06-42
 Vughs, Dennis, FOS43-04
 Vuitton, Veronique, WOS30-02

W

Wada, Yoshinao, TPS17-11
 Wagner Rousset, Elsa, WPS44-09
 Wagner, Michel, WPS26-53
 Wahl, Fabian, MPS06-35, TPS17-10
 Waidelich, Dietmar, MPS03-07, MPS31-16, TOS16-04, TPS11-18
 Walch, Axel, MPS07-13, TOS20-01, ThPS39-04
 Walk, Tilmann, MPS31-48
 Walker, Jeff, ThPS33-05
 Walpurgis, Katja, TPS42-07
 Walsh, Callee, TPS20-04
 Walter, Fruzsina R., MPS06-14, MPS06-22
 Walters, James J, TPS11-06
 Walzthoeni, Thomas, FOS44-05
 Wan, Terence S. M., TPS42-20
 Wang, Bruce, ThPS32-26
 Wang, Cindy Y.-H., WPS44-02
 Wang, Hao, ThOS40-04
 Wang, Jia, ThPS36-37
 Wang, Jin, MPS02-18
 Wang, Jingbo, WPS26-21
 Wang, Jinyuan, MPS06-64
 Wang, Junhua, WPS26-57
 Wang, Leo, ThPS37-21
 Wang, Lin, ThPS37-46
 Wang, Luhua, WPS26-21
 Wang, Meng-Jiy, MPS02-08
 Wang, Shuqi, ThPS37-35
 Wang, Wen-horng, TPS17-01

Wang, Xu, MPS31-16
 Wang, Xuequiang, WPS27-13
 Wang, Xuxiao, MPS01-07
 Wang, Yang, WOS29-02
 Wang, Yi-Sheng, MPS03-15, ThPS32-04
 Wang, Yi-Ting, MOS06-02, TPS17-02
 Wang, Yuqin, TOS12-02, TPS12-22
 Waridel, Patrice, TPS43-35
 Wariishi, Hiroyuki, WPS26-09, WPS27-20
 Warren, Daniel, MPS06-64, ThPS32-18
 Warschat, Carsten, WPS21-20
 Warth, Benedikt, WOS26-02
 Watanabe, Hiroyuki, TPS11-03
 Watanabe, Kyoko, WPS27-21
 Watanabe, Takehiro, TPS41-21, WPS26-39
 Watts, Peter, ThPS33-09
 Watzl, Bernhard, WPS26-13
 Weber, Waldemar, ThPS37-07, ThPS37-08, ThPS37-11
 Webhofer, Christian, TOS16-03
 Wegner, Irene, ThOS31-02
 Wehrens, Ron, MPS07-16, WPS26-35
 Wei, Jian, ThPS33-05
 Wei, Yang, WPS26-23
 Weidner, Steffen Michael, MOS02-05
 Weigel, Diana, TPS42-23
 Weinmann, Wolfgang, MOS06-03
 Weis, Patrick, ThOS32-02
 Weisbrod, Chad, MOS01-01
 Weismann, Cara M., TPS12-19
 Weiss, Victor, MOS03-01
 Wells, Mitch, MPS03-14
 Welsch, Philipp, MPS08-11
 Wendt, Juergen, WPS24-05, ThPS37-38, ThPS37-39
 Wenk, Markus, TOS12-01
 Wenzel, Volker, TPS42-07
 Werzer, Lisa, WPS26-50
 Wessjohann, Ludger, MOS09-02, WPS26-14
 West, Brandi, FOS41-03
 Westermann, Benoit, MPS31-15
 Westrup, Sebastian, ThPS36-25
 Wexler, Anthony, MOS04-05
 Wey, Emmanuel, FOS45-05
 Wheeler, Aaron, ThOS37-01
 White, Jonathan, TOS13-03, TOS18-04
 Wi, Soo Jin, WPS26-20
 Widjaja, Fanny, WPS21-03
 Wiegmann, Marcel, WOS21-05, WPS21-07, ThOS38-05
 Wieghaus, Andreas, MOS01-04
 Wieland, Flurin, WPS24-07
 Wild, Peter, ThOS40-04
 Willets, Matt, MPS07-12
 Williams, Evan, TOS13-01
 Williams, Jonathan, WOS23-03, WPS26-11
 Williams, Keith, WPS27-26
 Williams, Lee, MPS06-37, ThPS37-29
 Williams, Renee, TPS43-20
 Willms, Johann Alexander, TOS18-02

Wilson, Ian, MPS06-43, MPS06-45, MPS31-39, ThOS31-01
 Wilson, Richard, MPS31-45, WPS29-13
 Wingender, Marc, MPS07-08
 Winkler, Robert, MOS07-04, ThPS39-03
 Winter, Martin, ThPS37-07, ThPS37-08, ThPS37-11
 Wiseman, Justin, MPS06-11
 Wisztorski, Maxence, TOS20-04, ThOS31-04, ThOS39-05
 Witt, Lukas, TPS42-04
 Witt, Matthias, MPS07-12, TPS12-15, WPS26-16, WPS27-08, ThOS33-03
 Wleklinski, Michael, ThOS34-05
 Wodrich, Matthew D., TPS41-24
 Wohlfahrt, Sebastian, WOS24-05, ThPS35-04, ThPS37-05
 Wohlgemuth, Roland, WPS26-17, WPS26-18, WPS26-18, WPS26-27, WPS26-47
 Wolf, Jan-Christoph, WPS21-13
 Wolfender, Jean-Luc, MPS06-32, MPS08-09, TPS42-18, WOS26-04, WPS26-37, WPS26-51, ThPS32-19, ThPS37-31, ThPS37-35, ThPS37-49
 Wolfender, Jean-Luc, WOS26-04
 Wolkoff, Peder, WPS27-22
 Woll, Matthias, MPS31-48
 Wolter, Scott, MPS03-21
 Wong, Chi-Huey, TPS17-02
 Wong, Yung-Sing, WPS26-37
 Worsnop, Doug, MOS04-02
 Wren, Stephen, MPS06-08
 Wright, Chris, ThPS39-07
 Wright, Christine, ThPS39-14
 Wu, Bo-Sgum, FOS44-04
 Wu, Hui-Fen, FOS44-04
 Wu, Shiao-Lin, TPS17-17
 Wu, Shih-Hsiung, TPS17-18
 Wu, Wan-Ling, TPS17-18
 Wu, Yiman, WPS26-07
 Wu, Zhanpin, TPS43-19
 Wuest, Bernhard, ThPS36-26, ThPS36-28
 Wuhler, Manfred, MOS08-02, MPS08-01
 Wunsche, Laurent, ThPS32-07
 Wurz, Peter, WOS29-05, WOS30-01
 Wüst, Bernhard, TPS43-21
 Wüthrich, Thomas, MOS06-03
 Wysocki, Vicki, FOS41-01
 Wytenbach, Thomas, ThOS32-03

X

Xia, Yu, TOS19-02
 Xiao, Peng, ThPS36-20
 Xiao, Shu-Yuan, MPS31-27, TPS11-27
 Xiao, Yuhua, WOS30-05
 Xu, Chongsheng, MPS01-15
 Xu, Fuxing, MPS07-09, MPS07-09
 Xu, Jing, WPS26-19, WPS26-21
 Xu, Linnan, WOS25-02
 Xu, Mingguo, WPS26-07
 Xu, Peng, MPS31-27, TPS11-27
 Xue, Baiyi, WPS26-28

Y

Yagi, Takashi, TPS43-03
 Yaguchi, Takashi, MPS31-20
 Yakhvarov, Dmitry, TPS41-28
 Yalcin, Talat, MPS31-28, TPS41-16, TPS41-19
 Yamada, Masuyoshi, WPS29-07
 Yamagaki, Tohru, TPS41-21, WPS26-39
 Yamaguchi, Kentaro, WPS21-12, WPS27-10
 Yamamoto, Atsushi, TPS43-04
 Yamamoto, Gen, MPS31-30
 Yamamoto, Kazuki, TPS17-08
 Yamamoto, Takushi, MPS07-21
 Yamamoto, Yasuaki, WPS27-27
 Yamamuro, Tadashi, TPS42-03
 Yamanaka, Kenya, MPS31-30
 Yamashita, Asuka, ThPS32-16
 Yamashita, Masami, TOS17-04
 Yamauchi, Yoshio, ThPS37-45
 Yamazaki, Masatoshi, ThPS36-10
 Yamazaki, Yuzo, TPS17-08
 Yan, Cunyu, MPS07-07
 Yan, Hong, MPS31-52
 Yan, Jing, FOS41-01
 Yan, Rongxin, WOS30-04
 Yan, Xinjian, ThOS39-02
 Yang, Chao-Yuh, MPS31-04
 Yang, Charles, ThPS36-25, ThPS36-37
 Yang, Dan-Hui Dorothy, ThPS36-26, ThPS36-28
 Yang, Dorothy, TPS43-21
 Yang, Haiyang, MPS01-15
 Yang, Hongmei, WOS29-02
 Yang, Jih-Tian, TPS17-18
 Yang, Mark, ThPS37-53
 Yang, Mo, WOS29-04, WPS21-06
 Yang, Pan-Chyr, MOS06-02
 Yang, Shih-Chieh, MPS06-36
 Yang, Yanan, TPS11-24
 Yang, Zicheng, MPS03-19, ThPS36-15
 Yanhua, Chen, WPS26-23
 Yariwake, J. H., ThPS32-22
 Yasuda, Akikazu, TPS17-05
 Yates, Nathan, WS01
 Yavor, Mikhail, MOS01-05
 Yazawa, Itaru, ThPS37-23
 Yeh, Yi-Po, TPS43-03
 Yen, Hsin-Yung, TPS17-02
 Yener, Sine, WOS24-04
 Yeo, Seung-Hoon, ThPS36-29
 Yeretzian, Chahan, WPS24-01, WPS24-07
 Yeung, Edward S., ThPS37-03
 Yew, Joanne, MOS09-01
 Yilmaz, Ecevit, TPS12-01
 Yim, Yong-Hyeon, ThPS35-02, ThPS35-14
 Yin, Qiuhong, ThPS37-46
 Yildirim, Funda, TPS11-19
 Yli-Kauhaluoma, Jari, WPS26-25
 Yokoi, Yasuto, TPS12-24
 Yokokawa, Akitomo, MPS31-18, MPS31-21

Yongmei, Song, WPS26-23
 Yoon, Hae Jung, ThPS36-08
 Yoon, Jung-No, ThPS35-14
 Yoon, Sung Hwan, WOS21-02
 Yoshimura, Kentaro, MPS06-10, MPS06-18, MPS31-03
 Yoshinari, Kiyomi, MPS03-09
 Young, Jamie, ThPS37-27
 Youssef, Ahmed, MPS06-01
 Yu, Jinazhen, MOS04-05
 Yu, Qing, WOS29-02
 Yu, Qiuliyang, ThPS37-51
 Yu, Sung-Liang, MOS06-02
 Yu, Ying Qing, MPS08-10, WPS28-07
 Yugueros Marcos, Javier, MPS31-23
 Yukihiro, Daichi, WPS26-09
 Yunin, Maxim, ThPS36-24
 Yuping, Tian, MPS02-01

Z

Zabela, Volha, MPS06-22, MPS31-07
 Zabka, Jan, WOS30-02
 Zabrouskov, Vlad, ThPS39-11
 Zaharenko, André J., TPS41-26
 Zahradníčková, Helena, WPS26-22
 Zaikova, Ilona, TPS11-38
 Zaitseva, Irina, MPS31-38
 Zamfir, Alina, MPS08-08
 Zammataro, Alessio, WPS29-03
 Zampieri, Davila, TPS41-14, TPS41-30
 Zangrando, Roberta, ThPS37-12
 Zanthorlin, Leticia, WPS44-07
 Zasso, Michaël, ThPS33-11
 Zavras, Athanasios, TOS18-04
 Zdrahal, Zbynek, MOS10-03, MPS08-07, TPS11-17
 Zebrouskov, Vlad, ThPS33-10
 Zeegers, Guido, WPS21-03
 Zelenov, Vladislav, TPS43-27, WOS27-04
 Zell, Manfred, WPS44-01, WPS44-01
 Zeng, Yun, ThPS36-19
 Zenichowski, Karl, ThPS32-12
 Zenobi, Renato, MPS01-05, MPS06-21, MPS06-33, MPS06-35, TPS17-10, ThPS38-02, ThPS38-05, WOS24-03, WPS21-03, WPS21-13, WPS22-18, WPS29-05, FOS45-03
 Zerega, Yves, MPS01-04, MPS07-22
 Zhan, Qimin, WPS26-21
 Zhang, Bo, TOS19-04
 Zhang, Chengcheng, WPS22-17
 Zhang, Jiaozhen, ThPS37-35
 Zhang, Ruiping, WPS26-19, WPS26-21
 Zhang, Terry, ThPS33-10
 Zhang, Wen, ThPS32-24
 Zhang, Xin-Xiang, ThPS37-10
 Zhang, Ying, MPS02-18, ThPS39-06, TOS11-03, TPS11-25
 Zhang, Zuolun, WPS21-10
 Zhao, Lei, MPS31-27
 Zhao, Yongjing, MOS04-05
 Zhao, Yusheng, WOS26-05
 Zheng, Yajie, WPS26-19

Zhi, Zhou, WPS26-23
 Zhong-hua, Wang, WPS26-19
 Zhong, Xiaoqin, MPS07-11
 Zhou, Houjiang, WPS22-16
 Zhou, Xiaoyu, TOS19-02
 Zhu, Alex, TPS11-24
 Zhuravlev, Alina, WPS44-14
 Zhuravlev, V. V., MPS01-03, MPS03-05
 Zhurov, Konstantin O., MOS01-02, MPS01-14, ThPS33-17, TPS11-30, TPS41-24
 Zilka, Norbert, WPS26-54
 Zimmermann, Marcel, WPS28-08
 Zimmermann, Ralf, MOS04-03, ThPS35-04, ThPS37-05, TPS43-31, WOS24-05, WPS24-01, WPS24-05
 Zimmermann, Stefan, ThPS32-13
 Ziogas, James, ThPS39-14
 Zirah, Séverine, WPS28-08
 Zitturi, Ines, WPS26-01, WPS26-03
 Zobnina, Valentina, WPS28-05
 Zomer, Paul, ThPS37-17
 Zou, Ran, TOS19-02
 Zubarev, Roman, ThOS33-01, TOS19-04
 Zügner, Elmar, WPS26-50
 Zühlke, Martin, ThPS32-12
 Zushi, Yasuyuki, TPS43-04, TPS43-24
 Zvereva, Irina, TPS42-17

This image shows a full page of white paper with horizontal blue ruling lines. The word "NOTES" is printed at the top left in a large, blue, sans-serif font. Below it, there are approximately 28 evenly spaced horizontal lines extending across the width of the page.

This image shows a full page of white paper with horizontal blue ruling lines. The word "NOTES" is printed at the top left in a large, blue, sans-serif font. Below it, there are approximately 28 evenly spaced horizontal lines extending across the width of the page.

This image shows a full page of white paper with horizontal blue ruling lines. The word "NOTES" is printed at the top left in a large, blue, sans-serif font. Below it, there are approximately 28 evenly spaced horizontal lines extending across the width of the page.

This image shows a full page of white paper with horizontal blue ruling lines. The word "NOTES" is printed at the top left in a large, blue, sans-serif font. Below it, there are approximately 28 evenly spaced horizontal lines extending across the width of the page.

21 – 25
June 2015

Geneva
Switzerland

HPLC 2015

High Performance Liquid Phase Separations & Related Techniques



Conference Chair: Prof. Gérard Hopfgartner, University of Geneva

www.hplc2015-geneva.org

Symporg SA - Rue Rousseau 30 - 1201 Geneva / Switzerland - Tel. +41 22 839 84 84 - hplc2015@symporg.ch

GENÈVE
A WORLD OF ITS OWN®



SCS
Swiss Chemical
Society

Division of
Analytical
Sciences

August 24-29, 2014
Geneva, Switzerland
www.imsc2014.ch



Tuesday, August 26 th		Primary Lecture 3 - <i>Gain/Median - Single Cell MS</i> <i>Chair: Ruedi Aebersold</i>	
08000	08045	Break	
09000		TOS11 - Targeted and Quantitative Proteomics	TOS12 - Lipidomics
		<i>Keynote Speaker:</i> <i>Anne-Claude Glinzars</i> <i>Chairs: Paola Picotti,</i> <i>Markus Stockli</i>	<i>Keynote Speaker:</i> <i>Markus Walk</i> <i>Chairs: Andrej</i> <i>Shencherko, Eric</i> <i>Forest</i>
11000		Coffee Break / Poster Sessions TPS11, TPS12, TPS17, TPS18, TPS20, TPS41, TPS42, TPS43 - Odd numbers (11000 - 13000)	
12000	13000	Lunch Symposium ThermoFisher Scientific	Lunch Symposium AB Sciex
15000		Coffee Break / Poster Sessions TPS11, TPS12, TPS17, TPS18, TPS20, TPS41, TPS42, TPS43 - Even numbers (13000 - 15000)	Lunch Symposium Agilent
		TOS16 - Labeling Strategies and Quantitative Biomolecule Analysis <i>Keynote Speaker:</i> <i>Dwight Matthews</i> <i>Chairs: Paola Picotti,</i> <i>Marc Suter</i>	TOS17 - Protein Phosphorylation and other Post-translational Modifications <i>Keynote Speaker:</i> <i>Andri Tag</i> <i>Chairs: Jesper Olsen,</i> <i>Ruedi Aebersold</i>
17000			Lunch Symposium Shimadzu
17015		Workshop 3 Quantitative Imaging MS (Q-IMS) <i>Mitsutoshi Seibu</i>	Workshop 4 How to Successfully Publish Scientific Articles? <i>Rob van Daalen</i>
19000		Break	
08000		TOS13 - Gas-Phase Ion Spectroscopy	TOS14 - Debutions and High-Mass MS
		<i>Keynote Speaker:</i> <i>Evan Williams</i> <i>Chairs: Xosha Owens,</i> <i>Julia Charnot-Rooke</i>	<i>Keynote Speaker:</i> <i>Bon Herren</i> <i>Chairs: Renato Zenobi,</i> <i>Gunter Altmair</i>
08000		TOS15 - Effect-Directed Analytical MS <i>Keynote Speaker:</i> <i>Maria Limonree</i> <i>Chairs: Marc Suter,</i> <i>Oliver Laprovita</i>	TOS16 - Imaging MS - Applications <i>Keynote Speaker:</i> <i>Axel Walch</i> <i>Chairs: Oliver</i> <i>Laprovita, Markus</i> <i>Soboll</i>

17000	Quantitative Biomolecule Analysis <i>Keynote Speaker:</i> <i>Dwight Matthews</i> <i>Chairs:</i> Paola Picotti, Marc Suter	other Post-Translational Modifications <i>Keynote Speaker:</i> Andri Tag <i>Chairs:</i> Jesper Olsen, Ruud Abersold	in the Gas-Phase <i>Keynote Speaker:</i> Mark Rodgers <i>Chairs:</i> Peter Amtnouf, Gianluca Gorgi	Nanotechnology <i>Keynote Speaker:</i> Thomas Laurrel <i>Chairs:</i> Hubert Graftl, Dietler Günther	<i>Keynote Speaker:</i> Arel Walch <i>Chairs:</i> Oliver Lapovorte, Markus Stöckl
17015	Workshop 3 Quantitative Imaging MS (Q-IMS) Masatoshi Saba	Workshop 4 How to Successfully Publish Scientific Articles? Rob von Daelen	Break		
19000					

0800U 08N45	Wednesday, August 27 th Plenary Lecture 4 - Curt Brummee Award Chair: Catherine Costello				
0900U	Break				
1100U	WC521 - New Amnization Techniques	WC522 - Cell Biology and Cellular Pathways	WC523 - Top-down Proteomics	WC524 - Trace Gas Analysis of Breath and Food Flavours	WC525 - Nanomaterials in MS: Nanomaterials Characterization Keynote Speaker: Yi-Ching Chou Chairs: Hui-Fen Wu, Laurent Fay
	Keynote Speaker: Brian Chalk Chairs: Fransiszek Turesek, Silvia Cattella	Keynote Speaker: Michael Varamakia, Chairs: Anne-Claude Ghoras, Gerard Hofgartner	Keynote Speaker: Neil Kolbhar Chairs: Julia Chant- Roke, Yury Tsybin	Keynote Speaker: William Mielisch Chairs: Patrick Spanel, Genulica Gargi	
1200U 1330U	Coffee Break / Poster Sessions WPS21, WPS22, WPS24, WPS26, WPS27, WPS28, WPS29, WPS44 - Odd numbers (1100U - 1900U)				
1500U	Thermo Fisher Scientific	Lunch Symposium AB Scales	Lunch Symposium Bruker Daltonics	Lunch Symposium Agilent	Lunch Symposium Waters
1700U	WC526 - Metabonomics	WC527 - Small Molecules - Data Acquisition and Analysis	WC528 - Biomolecular Conformation in the Gas-Phase and in Solution	WC529 - Ambient Ionization and Minimization	WC530 - Geology, Astrophysics and Space Exploration
	Keynote Speaker: Matti Laitinen Chairs: Oliver Fearn, Olivier Laprevote	Keynote Speaker: Robert Mielisch Chairs: Thomas Hankemeier, Silvia Cattella	Keynote Speaker: Kathrin Brackner Chairs: Lars Königsmann, Julia Chant-Roke	Keynote Speaker: Eckhard Kitzinger Chairs: Zhong OuYang, Renato Zbind	Keynote Speaker: Kerstin Thissen, Charles Robert David Günther
17m15	Workshop 5 Careers in MS	Workshop 6 Towards Open Access Mass Spectral Libraries	Break		
1900U	Spectrometry Society				

Registration 0700u - 1900u

Thursday, August 28 th					
Plenary Lecture 5 – <i>Die Von Mager</i> – SMS Imaging Chair: <i>Olivier Laprévotte</i>					
	Break				
08h00 08h45					
09h00	TH0531 - Biomarkers and Diagnostics Keynote Speaker: <i>Matti Leiris</i> Chairs: <i>Slavia Catinaella, Gérard Hopfgartner</i>	TH0532 - Ion Mobility MS Keynote Speaker: <i>Paola Borani</i> Chairs: <i>Dave Clemmet, Günter Altmair</i>	TH0533 - Data Analysis - General Keynote Speaker: <i>Roman Zubarev</i> Chairs: <i>Pietro Franceschi, Yuri Tsypin</i>	TH0534 - IMS Award Symposium Chair: <i>Michael Linscheid</i>	TH0535 - Elemental and Isotopic MS, ICP-MS General, Cultural Heritage and Archaeology Keynote Speaker: <i>Jörg Feldmann</i> Chairs: <i>Ryszard Lobinski, Delfier Günther</i>
11h00	Coffee Break / Poster Sessions THP532, THP533, THP535, THP536, THP537, THP538, THP539 - Odd numbers (11h00 - 13h00)				
12h00 13h30	Lunch Symposium AB Section		Lunch Symposium Agilent		Lunch Symposium Shimadzu
15h00	TH0536 - Advanced MS in Food and Nutrition Keynote Speaker: <i>Rudi Kricka</i> Chairs: <i>Michaël Nielsen, Laurent Fay</i>	TH0537 - Hyphenated Techniques - Applications Keynote Speaker: <i>Arnon Miskler</i> Chairs: <i>Gerard Hopfgartner, Marc Suter</i>	TH0538 - Non-Covalent Interactions Keynote Speaker: <i>Sarah Chaffinall</i> Chairs: <i>Albert Heck, Leopoldo Cerullo</i>	TH0539 - Informatic Tools for MS Keynote Speaker: <i>Oliver Kohlhauser</i> Chairs: <i>Thomas Hankemeier, Ruedi Aebersold</i>	TH0540 - 2D and 3D Analysis and Imaging of Inorganic, Organic, and Biological Materials Keynote Speaker: <i>John Fletcher</i> Chairs: <i>John Vickerman, Delfier Günther</i>
17h00	Break				
17h15	Thomson Award / SGMS Award				
18h15					
19h30	Conference Dinner				
23h00					

Friday, August 29 th				
Plenary Lecture 6 - <i>Billiga Dagoud - Ion Mobility - Spectroscopy</i> <i>Chair: Günter Altmair</i>				
08h00	Break			
08h45				
09h00	FOS11 - Gas-Phase Ion Fragmentation Mechanisms <i>Keynote Speaker: Vicki Wassel</i> <i>Chairs: Gianluca Gorgi, Leopoldo Orzalesi</i>	FOS12 - Forensics and Doping <i>Keynote Speaker: Thomas Kramer</i> <i>Chairs: Laurent Begler, Olivier Laprévôte</i>	FOS13 - Environmental Analysis <i>Keynote Speaker: Kevin Thomas</i> <i>Chairs: Maria Lamonte, Marc Suter</i>	FOS14 - Very Large Biopolymers and Structural Biology <i>Keynote Speaker: Albert Heck</i> <i>Chairs: Michal Sharon, Eric Forest</i>
11h00	Break			
11h15	Presentation of IMSC 2016 / Toronto			
11h30				
11h30	Plenary Lecture 7 - <i>Michel Mayor - Extrasolar-Planets: The Quest for Earth's Twins</i> <i>Chair: Gérard Hupfänger</i>			
12h15				
12h15	Farewell Cocktail			
13h00				
Fundamental Mass Spectrometry Science	Mass Spectrometry Instrumentation and Methodology	Elemental Mass Spectrometry	Organic Mass Spectrometry, Applications	Biological Mass Spectrometry, including Informatics for Mass Spectrometry