

## Program Day 1 (Tuesday)

- 08:45-09:00 **Gunda Köllensperger, Christopher Gerner** University of Vienna  
Welcome and Opening
- Session 1: Elemental Analysis**
- 09:00-09:35 **Karin Hain** University of Vienna  
**T1** *Production and Characterisation of an isotopic spike for the analysis of environmental <sup>237</sup>Np by (A)MS*
- 09:35-10:10 **Johanna Irrgeher** Montanuniversität Leoben  
**T2** *Expanding the isotopic toolbox in support of the sustainable development goals*
- 10:10-10:30 **Andreas Limbeck** TU Wien  
**T3** *Analysis of trace elements in microplastics – release and uptake during environmental degradation*
- 10:30-10:45 **Anna Schöberl** University of Vienna  
**T4** *The Uptake of Metal-Based Anticancer Drugs in Macrophage Subtypes at the Single-Cell Level by LA-ICP-TOFMS Imaging*
- 10:45-11:25 Coffee Break and Company Exhibition (Second Floor)
- Session 2: Metabolomics I**
- 11:25-11:45 **André Müller** Thermo Fisher  
**T5** *Technological and Applicational Advances on the Orbitrap™ IQ-X™ Tribrid™ Mass Spectrometer [...]*
- 11:45-12:00 **Anya Sherman** University of Vienna  
**T6** *Orbitrap Mass Spectrometry to Elucidate Plant Uptake and Metabolism of Tire Leachate Compounds*
- 12:00-12:15 **Samuele Zoratto** TU Wien  
**T7** *A systematic study of lipids – from ESI analysis to MALDI Imaging using a 7T FT-ICR instrument*
- 12:15-12:30 **Sarah Fleissner** TU Wien  
**T8** *Characterization of selected organometallic compounds monitored for catalytic activity*
- 12:30-13:30 Lunch Break and Company Exhibition (Second Floor)
- Session 3: Lipidomics**
- 13:30-14:05 **Dominik Schwudke** Forschungszentrum Borstel  
**T9** *Tuberculostearic acid (TSA)-containing phosphatidylinositols as molecular tool to study Tuberculosis*
- 14:05-14:25 **Michael Rothaupt** Agilent  
**T10** *GC-MS using hydrogen as carrier gas*
- 14:25-14:45 **Robert Ahrends** University of Vienna  
**T11** *Probing the Membrane Landscape and Identifying Key Lipids Critical for Platelet Activation by Lipidomics*
- 14:45-15:00 **Ernst Pittenauer** TU Wien  
**T12** *High-energy CID of diether phospholipids: parallels to diester phospholipids and undescribed new fragmentation pathways*
- 15:00-15:40 Coffee Break and Company Exhibition (Second Floor)
- Session 4: Honory Session for Günter Allmaier**
- 15:40-15:50 Laudatio / Welcome
- 15:50-16:25 **Roman Zubarev** Karolinska Institutet Stockholm  
**T13** *From Plasma Desorption to blood plasma analysis - a personal proteomics journey*
- 16:25-17:00 **Karoly Vekey** Research Centre for Natural Sciences, Hungarian Academy of Sciences  
**T14** *Importance of CID energy dependence*
- 17:00-17:35 **Jasna Peter-Katalinic** Westfälische Wilhelms-Universität Münster  
**T15** *Günter Allmaier: Contributions to molecular characterization of glycoconjugates by mass spectrometry*
- 17:35-17:55 **Marcella Frauscher** AC2T research GmbH  
**T16** *How mass spectrometry leads to better performance of lubricants and fuels*
- 17:55 Poster Session
- 19:00 Informal Get Together/Dinner

## Program Day 2 (Wednesday)

### Session 5: Metabolomics II

- 09:00-09:35 **Noé Karl Brasier** ETH Zürich, University Hospital Basel  
*T17 Translating clinical sweat analysis – A promising outlook with remaining challenges*
- 09:35-09:55 **Marcel Kwiatkowski** University of Innsbruck  
*T18 Combined Metabolic and chemical (cometchem) labeling - a strategy to quantify site-specific reaction rates [...]*
- 09:55-10:15 **J. Thomas Hannich** CeMM Research Center for Molecular Medicine of the ÖAW  
*T19 Targeted Metabolomics Pipeline to Deorphanize Solute Carrier Transporters (SLCs)*
- 10:15-10:55 Coffee Break and Company Exhibition (Second Floor)

### Session 6: MS Fundamentals

- 10:55-11:00 Laudatio Pregl-Award
- 11:00-11:35 **Gérard Hopfgartner** Université de Genève  
*T20 Separations Sciences coupled to Mass Spectrometry: Where are we and where could we go?*
- 11:35-11:55 **Dev Sriranganadane** Waters  
*T21 Cyclic IMS, a new tool for R&D*
- 11:55-12:15 **Younes Valadbeigi** University of Natural Resources and Life Sciences  
*T22 Ionization Mechanism in an Atmospheric Pressure Chemical Ionization Ion Source*
- 12:15-12:35 **Dietmar Hammerschmid** King's College London  
*T23 Targeting protein dynamics in membranes: Novel avenues for hydrogen/deuterium exchange mass spectrometry*
- 12:35-13:35 Lunch Break and Company Exhibition (Second Floor)

### Session 7: Data Interpretation

- 13:35-14:10 **Tomáš Pluskal** IOCB Prague  
*T24 MZmine 3 - a tool from and for the mass spectrometry community*
- 14:10-14:30 **Jan Bucek** Plasmion  
*T25 SICRIT®- New Dimensions in Mass Spectrometry*
- 14:30-14:50 **Samuel Meier-Menches** University of Vienna  
*T26 Causal inference to deconvolute metabolomics data from human plasma*
- 14:50-15:05 **Mathias Gotsmy** University of Vienna  
*T27 Probabilistic quotient's work & pharmacokinetics' contribution: countering size effect in metabolic time series measurements*
- 15:05-15:45 Coffee Break and Company Exhibition (Second Floor)

### Session 8: Proteomics

- 15:45-16:20 **Manuel Matzinger** IMP - Research Institute of Molecular Pathology  
*T28 Reproducible, sensitive and automated one-pot sample preparation for high throughput single cell proteomics*
- 16:20-16:40 **Christoph Krisp** Bruker Daltonics  
*T29 Diversifying the proteomics toolbox [...]*
- 16:40-17:00 **Djuro Josić** Brown University Providence RI, USA University of Pula  
*T30 Changes in the proteome of extracellular vesicles shed by rat liver after sub-toxic exposure to acetaminophen*
- 17:00-17:20 **Michael Przybylski** AffyMSLifeChem Centre for Biochemistry & Biomedical Mass Spectrometry  
*T31 Molecular determination of survival motor neuron protein (SMN) in Spinal Muscular Atrophy by affinity-mass spectrometry*
- 17:20 Awards & Closing Remarks