

# MSACL 2016 EU

The 3<sup>rd</sup> Annual European Congress

September 12-15  
Salzburg, Austria



## Pocket Program

### THURSDAY

### WEDNESDAY

7:45	WELCOME COFFEE
9:00	Registration Foyer
8:00	BREAKFAST WORKSHOP
8:45	Thermo @ Papageno
9:00	PLENARY LECTURE
9:45	HANKEMEIER
	Mozart
9:45	WELCOME, INTRODUCTION & ORIENTATION
10:15	Mozart
10:15	COFFEE BREAK & POSTERS
11:00	Exhibit Hall
11:00	SCIENTIFIC SESSION 1
12:00	LUNCH
14:00	Exhibit Hall
12:30	POSTERS
13:30	Exhibit Hall
14:00	CORPORATE WORKSHOP
14:45	Shimadzu @ Mozart 4-5
	Thermo @ Papageno
	Agilent @ Paracelsus
	Neoteryx @ Trakl
15:00	SCIENTIFIC SESSION 2
16:00	COFFEE BREAK & POSTERS
16:45	Exhibit Hall
16:45	PLENARY LECTURE
17:30	SETCHELL
	Mozart
17:30	RECEPTION & POSTERS
19:00	Exhibit Hall
18:00	TROUBLESHOOTING GRAND ROUNDS
19:00	Exhibit Hall
19:00	DISCUSSION GROUPS
20:00	Grant @ Mozart 1-3
	Stone @ Mozart 4-5
	Thorsteinsdóttir @ Papageno
	Exhibitors @ Paracelsus
	SciCom @ Trakl

7:45	WELCOME COFFEE
9:00	Registration Foyer
8:00	CORPORATE WORKSHOP
8:45	Biognosys @ Papageno
9:00	PLENARY LECTURES
10:30	HEEREN & MAKAROV
	Mozart
10:30	COFFEE BREAK & POSTERS
11:15	Exhibit Hall
11:15	SCIENTIFIC SESSION 3
12:15	LUNCH
14:00	Exhibit Hall
12:30	POSTERS
13:30	Exhibit Hall
14:00	EXHIBITS CLOSED
14:00	CORPORATE WORKSHOPS
14:45	SCIEX @ Papageno
	BioVendor @ Paracelsus
15:00	SCIENTIFIC SESSION 4
15:40	COFFEE BREAK
16:00	Registration Foyer
16:00	SCIENTIFIC SESSION 5
16:40	COFFEE BREAK
17:00	Registration Foyer
17:00	SCIENTIFIC SESSION 6
17:40	CLOSING RECEPTION
19:00	Registration Foyer
19:00	CONGRESS CLOSED

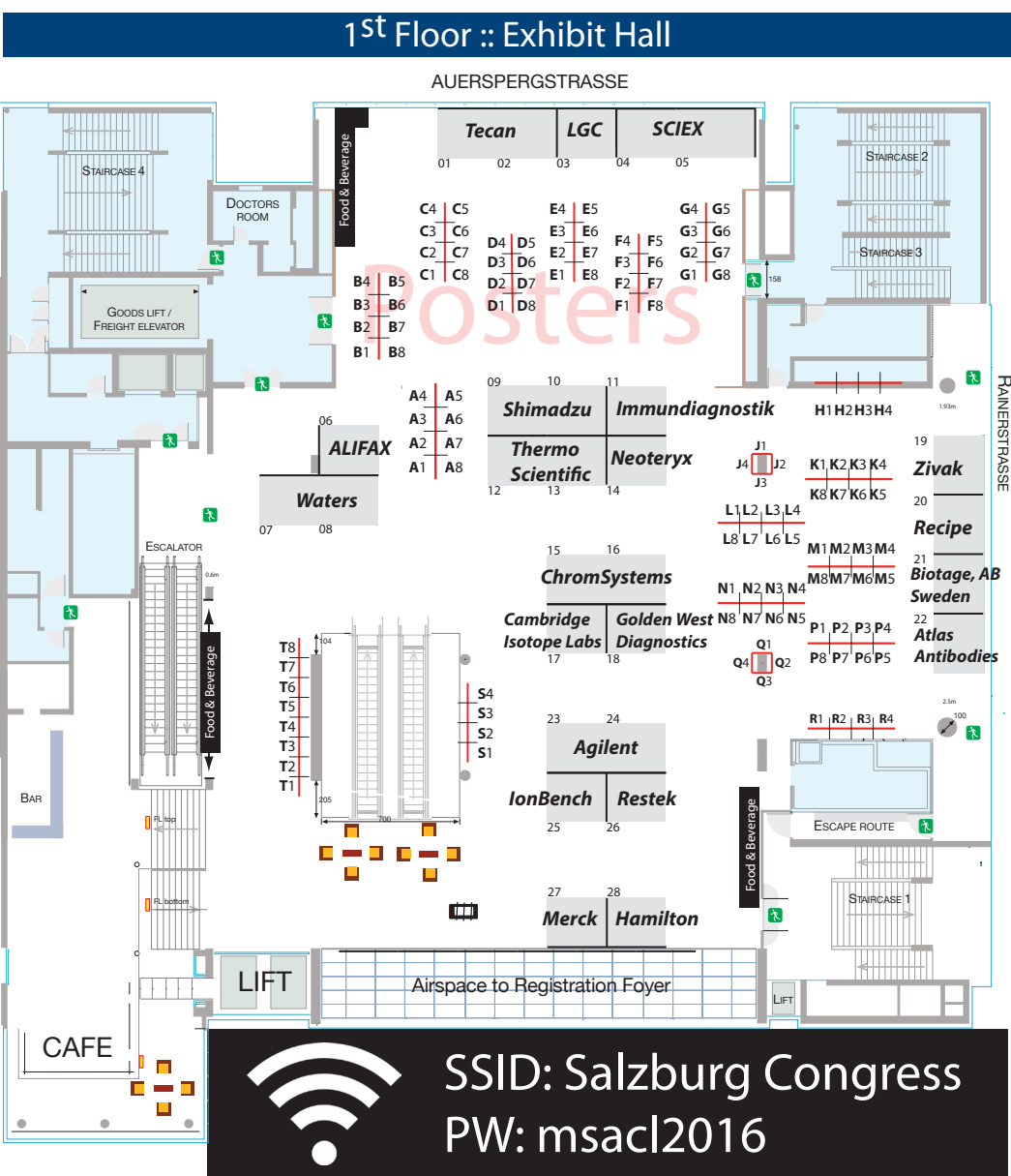
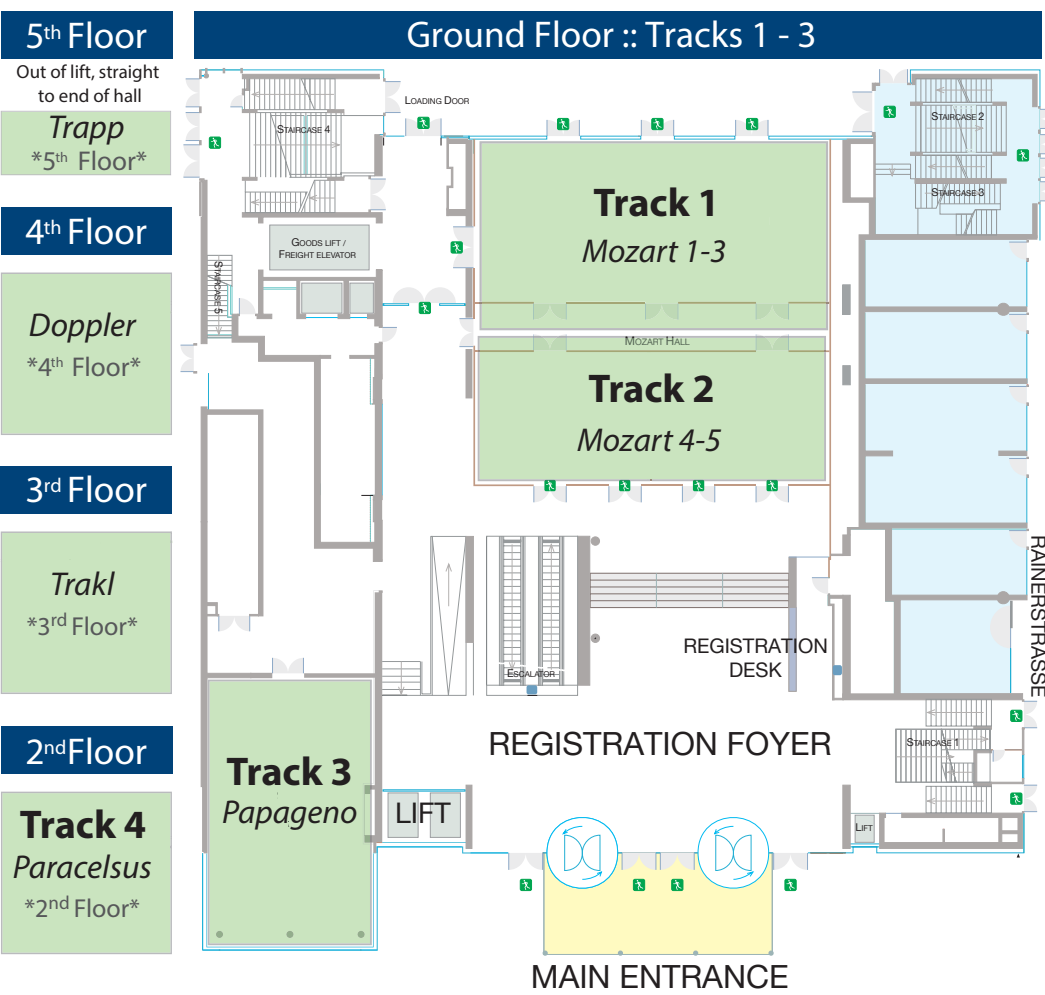
### MONDAY

8:00	WELCOME COFFEE
9:00	Mozart 1-3
9:00	SHORT COURSES
18:00	
Every 0:45 for 15 min	COFFEE BREAK
	Mozart 1-3
12:00	LUNCH
13:00	Mozart 1-3
18:00	PRIVATE EVENT
20:00	TRAVEL GRANTEE & SCIENTIFIC COMMITTEE DINNER & RECEPTION
	Mozart 1-3

### TUESDAY

8:00	WELCOME COFFEE
9:00	Mozart 1-3
9:00	SHORT COURSES
18:00	
Every 0:45 for 15 min	COFFEE BREAK
	Mozart 1-3
12:00	LUNCH
13:00	Mozart 1-3
12:15	PLACE POSTERS
17:00	Exhibit Hall
18:00	EXHIBITS OPEN
	Exhibit Hall
18:00	OPENING RECEPTION
20:00	Exhibit Hall
18:30	POSTERS
19:30	Exhibit Hall
20:00	DISCUSSION GROUP
21:00	CMS JOURNAL
	Papageno

SHORT COURSE	ROOM
Data Science 101	Mozart 5
Holmes, Master	
Lab Medicine 101	Doppler
Vogeser	
LC-MSMS 101	Mozart 4
Stone, van der Gugten	
LC-MSMS 202	Trakl
Soderblom, Shuford, Thompson	
LC-MSMS 301	Papageno
Grant, Rappold	
Metabolomics 201	Doppler
Ivanisevic, Want	
Proteomics 201	Paracelsus
Bystrom, Shuford	
Proteomic Microbio. 201	Trapp
Armengaud, Burckhardt, Zimmerman	



SSID: Salzburg Congress  
PW: msacl2016

### PLENARY SPEAKERS

**Thomas Hankemeier**  
Leiden University/Netherlands Metabolomics Centre

**Metabolomics Enabling Personalized Medicine**

Wed 9:00 @ Mozart

**Kenneth Setchell**  
Cincinnati Children's Hospital Medical Center

**What We Can Learn from a Drop of Urine - Metabolomics at Its Earliest: Discoveries of Bile Acid Synthesis Disorders, a New Category of Fatal Metabolic Liver Disease & Development of a Treatment**

Wed 16:45 @ Mozart

**Ron Heeren**  
Maastricht University

**Molecular Tissue-Typing in Clinical Translational Research: Towards Precision Medicine**

Thu 9:00 @ Mozart

**Alexander Makarov**  
Thermo Fisher Scientific

**Frontiers of Orbitrap Mass Spectrometry**

Thu 9:45 @ Mozart

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**Thermo SCIENTIFIC**

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**CHROMSYSTEMS**  
DIAGNOSTICS BY HPLC & LC-MS/MS



	Track 1 :: Mozart 1-3	Track 2 :: Mozart 4-5	Track 3 :: Papageno	Track 4 :: Paracelsus	
<b>WEDNESDAY :: SCIENTIFIC SESSION 1</b>					
	<b>Microbiology</b> <i>Chair: Kevin Downard</i>	<b>References and Standards</b> <i>Chair: Niek Dirks</i>	<b>Biomarkers</b> <i>Chair: Michel Salzet</i>	<b>Basics of Mass Spectrometry</b> <i>Chair: Daniel Holmes</i>	
11:00 11:20	<b>Membrane Proteins for Diagnosis of Bacterial Infection: A Story About Lyme Disease</b> Illarion Turko, <i>National Institute of Standards and Technology</i>	<b>Various Calibration Procedures Result In Optimal Standardization of Routinely Used 25(OH)D ID-LC-MS/MS Methods</b> Niek Dirks, <i>VU University Medical Center</i>	<b>Alternative Proteins: The Hidden World of Potential Biomarkers</b> Julien Franck, <i>PRISM INSERM U1192 Lab</i>	<b>Tuning Your Mass Spectrometer: How to Make It Sing</b> Jörg Hanreider, <i>University of Gothenburg</i>	11:00 11:20
11:20 11:40	<b>New Advances in Mass Spectrometry to Improve the Clinical Surveillance of the Influenza Virus</b> Kevin Downard, <i>University of New South Wales</i>	<b>Development of a Reference Method for the Quantification of the Cardiac Marker 1-32 B-Type Natriuretic Peptide</b> Attila Frank Torma, <i>LGC LTD</i>	<b>Profiling of Intact Proteins in the CSF of Alzheimer's Disease Patients Using Top Down Clinical Proteomics (TDCP)</b> Christophe Hirtz, <i>CHU Montpellier</i>	<b>Varying Those Vexing Voltages: Compound Specific Tuning</b> Daniel Holmes, <i>St Paul's Hospital, Vancouver</i>	11:20 11:40
11:40 12:00	<b>Quick Survey of Complex Microbiota by Tandem Mass Spectrometry</b> Jean Armengaud, <i>CEA-Li2D</i>	<b>Mass Spectrometry as a Key Element of External Quality Assessment in Germany</b> Anja Kessler, <i>Reference Institute for Bioanalytics</i>	<b>Novel Therapeutic Targets of Spinal Cord Injury Based on Spatio-Temporal Proteomics Analysis</b> Michel Salzet, <i>PRISM INSERM U1192 - University of Lille</i>	<b>Building Your Assay, Breaking Your Compound: Developing MRM Transitions</b> Stephen Master, <i>Weill Cornell Medical College</i>	11:40 12:00
<b>WEDNESDAY :: SCIENTIFIC SESSION 2</b>					
	<b>Metabolomic Biomarkers</b> <i>Chair: Christiane Auray-Blais</i>	<b>Endocrine</b> <i>Chair: Caroline Le Goff</i>	<b>Tissue Imaging</b> <i>Chair: Jörg Hanreider</i>	<b>Understanding Matrix Effects</b> <i>Chair: Grace van der Gugten</i>	
15:00 15:20	<b>A Multi-Platform Mass Spectrometric Approach for Investigating Schizophrenia</b> Elizabeth Want, <i>Imperial College London</i>	<b>Evaluation of Routine Immunoassay Methods for Cortisol Against LC-MS/MS: Ramifications for Patient Care</b> Brian Keevil, <i>UHSM</i>	<b>Real-Time Mass Spectrometry Analysis for Guided-Surgery: Application to Ovarian Cancer</b> Benoit Fatou, <i>PRISM Laboratory, University of Lille</i>	<b>Surviving Matrix Effects Experiments: PART 1</b> Grace van der Gugten, <i>St Paul's Hospital</i>	15:00 15:20
15:20 15:40	<b>Lipid Phenotyping of Normal and Cancerous Human Breast Tissue with Rapid Evaporative Ionization Mass Spectrometry</b> Edward St John, <i>Imperial College</i>	<b>Quantification of Serum Androstenediol Glucuronide by LC-MS/MS</b> Caroline Le Goff, <i>University Hospital of Liège</i>	<b>Metabolic Phenotyping of Colorectal Tissue Samples by Desorption Electrospray Ionization Mass Spectrometry Imaging</b> Anna Mroz, <i>Imperial College London</i>	<b>Surviving Matrix Effects Experiments: PART 2</b> Grace van der Gugten, <i>St Paul's Hospital</i>	15:20 15:40
15:40 16:00	<b>Mass Spectrometry Applications: from Biomarker Discovery to Detection of Patients with Fabry Disease Having a Late-Onset Cardiac Mutation</b> Christiane Auray-Blais, <i>Université de Sherbrooke</i>	<b>Development of a New Methodology for the Simultaneous Determination of Cholecalciferol and 24,25(OH)2D3 by LC-MS/MS</b> Neus Fabregat-Cabello, <i>University of Liège, CHU de Liège</i>	<b>Improved MALDI Imaging Mass Spectrometry of Cortical Lipids in Human Alzheimer's Brain</b> Jörg Hanreider, <i>University of Gothenburg</i>	<b>Surviving Matrix Effects Experiments: PART 3</b> Grace van der Gugten, <i>St Paul's Hospital</i>	15:40 16:00
<b>THURSDAY :: SCIENTIFIC SESSION 3</b>					
	<b>Metabolomics</b> <i>Chair: Rawi Ramautar</i>	<b>Small Molecule Methods</b> <i>Chair: Brian Rappold</i>	<b>Protein Quantitation</b> <i>Chair: Nicholas Dupuis</i>	<b>LC-MSMS Troubleshooting 101</b> <i>Chair: Judy Stone</i>	
11:15 11:35	<b>Quantitative Metabolomic Profiling of the Human Eye Lens</b> Vadim Yanshole, <i>International Tomography Center</i>	<b>Clinical Application of Paper Spray Ionization-Tandem Mass Spectrometry for Real-Time Pharmacokinetics of the Chemotherapeutic Drug Melphalan in Whole Blood</b> Kenneth Setchell, <i>Cincinnati Children's Hospital Medical Center</i>	<b>Immuno-MALDI for Quantifying PI3K/AKT/mTOR Signaling Pathway Activity in Tumors</b> Robert Popp, <i>UVic - Genome BC Proteomics Centre</i>	<b>LC-MSMS Troubleshooting 101: Tips and Tricks for Getting Started: PART 1</b> J. Will Thompson, <i>Duke University School of Medicine</i>	11:15 11:35
11:35 11:55	<b>Enhancing Coverage of Polar Metabolites and Isomer Separation in Volume-Limited Clinical Metabolomics by Capillary Electrophoresis-Mass Spectrometry</b> Rawi Ramautar, <i>Leiden University</i>	<b>The Necessity for Chromatography in the Analysis of Opioids in LC-MS/MS Workflows</b> Brian Rappold, <i>Essential Testing</i>	<b>Authentic or Analogue Calibration: Is there a difference in Protein Quantification?</b> Christopher Shuford, <i>Laboratory Corporation of America</i>	<b>LC-MSMS Troubleshooting 101: Tips and Tricks for Getting Started: PART 2</b> J. Will Thompson, <i>Duke University School of Medicine</i>	11:35 11:55
11:55 12:15	<b>Comprehensive Profiling of Bile Acids in Human and Mouse Using LC-MS/MS-Based Metabolomics</b> Christoph Borchers, <i>Univ. of Victoria-Genome BC Proteomics Cent</i>	<b>Evaluation and Integration of Accurate Mass LC-MS into the Routine Clinical Laboratory</b> Joanne Adaway, <i>University Hospital South Manchester</i>	<b>Active Control of MALDI-TOF Mass Spectra Acquisition with Internal Standards for Improved Quantitative Serum Protein Profiles</b> Nicolas Dupuis, <i>Biosesix Inc</i>	<b>LC-MSMS Troubleshooting 101: Tips and Tricks for Getting Started: PART 3</b> J. Will Thompson, <i>Duke University School of Medicine</i>	11:55 12:15
<b>THURSDAY :: SCIENTIFIC SESSION 4</b>					
	<b>Microbiology 2</b> <i>Chair: Simon Cameron</i>	<b>Endocrine 2</b> <i>Chair: Mirko Peitzsch</i>	<b>Imaging in Brain Cancer</b> <i>Chair: Isabelle Fournier</i>	<b>Challenges in Chromatography</b> <i>Chair: Grace van der Gugten</i>	
15:00 15:20	<b>Rapid Evaporative Ionisation Mass Spectrometry (REIMS): a Platform for Microbial Identification, Functional Classification, and Direct-from-Sample Analysis</b> Simon Cameron, <i>Imperial College London</i>	<b>Pediatric Reference Intervals of Plasma Free Normetanephrine, Metanephrine and 3-Methoxytyramine: Application for Diagnosis of Neuroblastoma</b> Mirko Peitzsch, <i>University Hospital Dresden</i>	<b>Unsupervised Molecular Classification of Glioma by MALDI MS Imaging Combined to MicroProteomics</b> Isabelle Fournier, <i>PRISM INSERM U1192 - University of Lille</i>	<b>Challenges in Chromatography: PART 1</b> Grace van der Gugten, <i>St Paul's Hospital</i>	15:00 15:20
15:20 15:40	<b>Bacterial Antibiotic Resistance Determination by Metal Oxide Laser Ionization MS Fatty Acid Profiling</b> Christopher Cox, <i>Colorado School of Mines</i>	<b>Quantification of Human Urine and Serum Iodine by Inductively Coupled Plasma Mass Spectrometry</b> Songlin Yu, <i>Peking Union Medical College Hospital</i>	<b>Molecular and Elemental Mass Spectrometry Imaging of Brain Tumors Resected by Fluorescence-Guided Surgery</b> Sabrina Kröger, <i>University of Münster</i>	<b>Challenges in Chromatography: PART 2</b> Grace van der Gugten, <i>St Paul's Hospital</i>	15:20 15:40
<b>THURSDAY :: SCIENTIFIC SESSION 5</b>					
	<b>Evaluation of Renal Function</b> <i>Chair: Oleg Mayboroda</i>	<b>Testosterone Reference Ranges</b> <i>Chair: Grace van der Gugten</i>	<b>Transitional and Quantitative Proteomics</b> <i>Chair: Jerome Vialaret</i>	<b>Intro to System Suitability Testing</b> <i>Chair: Michael Wright</i>	
16:00 16:20	<b>Predicting the Time Required for Resolution of Delayed Graft Function Using Urinary Metabolic Profiles</b> Oleg Mayboroda, <i>LUMC</i>	<b>LC-MS/MS-Based Reference Intervals for Testosterone, Dihydrotestosterone and Their Ratio Established in 240 Healthy Adults</b> Anna van der Veen, <i>University Medical Center Groningen</i>	<b>Translation of a Predictive Protein Response Signature to Lumretuzumab from a Fresh Frozen Xenograft Model to Formalin-Fixed, Paraffin-Embedded Human Tumors</b> Axel Ducret, <i>Pharmaceutical Sciences</i>	<b>Introduction to System Suitability Tests</b> Michael Wright, <i>LGC</i>	16:00 16:20
16:20 16:40	<b>Sample Collection-Free Metabolic Profiling of Kidney During Organ Preservation: A Step Towards New Tool in Transplantology</b> Barbara Bojko, <i>Nicolaus Copernicus University</i>	<b>Ladies Testosterone Cooperative: Excellent Comparison of 4 Testosterone LC-MS/MS Assays</b> Grace van der Gugten, <i>St Paul's Hospital</i>	<b>New Method of Bevacizumab Dosage, a Monoclonal Antibody, Thanks to a Protein A Immunoenrichment Followed by a LC-QqQ Analysis</b> Jerome Vialaret, <i>CHU Montpellier</i>	<b>Case studies: Troubleshooting Failed System Suitability Tests</b> Michael Wright, <i>LGC</i>	16:20 16:40
<b>THURSDAY :: SCIENTIFIC SESSION 6 :: KEYNOTE PRESENTATIONS</b>					
	<b>Evaluation of Primary Aldosteronism</b> <i>Chair: Jody van den Ouweland</i>	<b>Investigation of Insulin-Mediated Hypoglycemia</b> <i>Chair: TBA</i>	<b>CLOSED</b>	<b>CLOSED</b>	
17:00 17:40	<b>LC-MS/MS-Based Steroid Profiling for Diagnosis and Subtype Evaluation of Patients with Primary Aldosteronism</b> Graeme Eisenhofer, <i>Technische Universität Dresden</i>	<b>Investigation of Insulin-Mediated Hypoglycemia in the Living and the Dead: the Role of LC MS/MS</b> Daniel Holmes, <i>St Paul's Hospital</i>			17:00 17:40