



## 5<sup>th</sup> Asia Oceania Mass Spectrometry Conference

## 暨第 33 届中国质谱学会学术年会 (33<sup>rd</sup> CMSS)

### The Program 日程计划

**Tuesday, July 15** **7 月 15 日 (星期二)**

- 10:00-22:00 Registration for 5th AOMSC Young Scientist Forum  
10:00-22:00 青年科学家论坛 (YSF) 报到  
The lobby, Bldg #1, Zhongguanyuan Global Village, PKU  
北大中关村新园一号楼大厅
- 15:30-16:30 Peking University Campus Tour
- 16:40-17:40 Self-introduction and Group Discussion  
(Rm 311, Teaching Bldg #2 Lee Shau Kee)

**18:30 Reception sponsored by Shimadzu** 岛津公司招待晚宴

**Wednesday, July 16** **7 月 16 日 (星期三)**

- 8:30-20:00 Registration for 5th AOMSC and 33rd CMSS  
8:30-20:00 5th AOMSC and 33rd CMSS 报到  
North lobby of Teaching Bldg #2 (Lee Shau Kee), PKU  
北大第二教学楼 (李兆基楼) 北大厅

5th AOMSC Young Scientist Forum 青年科学家论坛  
Teaching Bldg #2 (Lee Shau Kee) 北京大学第二教学楼 (李兆基楼)

- 08:00-12:00 5th AOMSC Young Scientist Forum, session I-II  
14:00-17:30 5th AOMSC Young Scientist Forum, session III-IV

**18:30 VIP dinner sponsored by Agilent** 安捷伦 VIP 晚宴

**Thursday, July 17 Morning** **7 月 17 日 (星期四) 上午**

- Registration for 5th AOMSC and 33rd CMSS  
第 33 届中国质谱学会学术年会 报到
- 09:00-11:00 Yingjie Exchange Center, PKU 北大英杰交流中心
- 11:00-18:00 Teaching Bldg #2 (Lee Shau Kee), PKU 北大第二教学楼 (李兆基楼)

## 5<sup>th</sup> AOMSC Opening Ceremony

第 33 届中国质谱学会学术年会 (33<sup>rd</sup> CMSS) 开幕式

08:30-09:00 Yingjie Exchange Center, PKU

北京大学英杰交流中心

## Opening Plenary Session

Chair: Prof. Hongyuan Chen

09:00-09:40 Applications of high-sensitive mass spectrometry in the study on chemical reaction mechanisms

[Prof. Xueming Yang \(杨学明\)](#), Dalian Institute of Chemical Physics, CAS

09:40-10:20 From a Protein to the Brain Proteome, Mass Spectrometry Driven Disruption in the Protein Sciences

[Prof. John Yates](#), The Scripps Research Institute, USA

10:20-11:00 Break and photo

## Fundamental I

Chair: [Pengyuan Yang](#), [Sunghwan Kim](#) Rm 107

11:00-11:20

Understanding the mechanism of atmospheric pressure photo ionization (APPI) of aromatic compounds by combination of MS analysis and theoretical calculation

[Sunghwan Kim](#), Kyungpook National University, Korea

11:20-11:40

The non-equimolar analyte ionization in ESI-MS comes from gas-phase ion suppression

[Pengyuan Yang \(杨芑原\)](#), Fudan University

11:40-12:00

Ion-electron reactivity of “extremely” supercharged protein ions

[William A. Donald](#), The University of New South Wales, Australia

12:00-12:20

Kinetics and thermodynamics of protonation in atmospheric pressure chemical ionization

[Yuanjiang Pan \(潘远江\)](#), Zhejiang University

## Proteomics I

Chair: [Norman Dovichi](#), [Yu-Ju Chen](#) Rm 205

11:00-11:20

Motif-Targeting Quantitative Proteomics for Absolute Phosphorylation Stoichiometry in Human

[Yu-Ju Chen \(陈玉如\)](#), Academia Sinica

11:20-11:40

Mass spectrometric screening of congenital disorders of glycosylation

[Yoshinao Wada \(和田芳直\)](#), Osaka Medical Center and Research Institute, Japan

11:40-12:00

A biological mass spectrometry based strategy for RNA-binding proteome analysis

[Xiaohong Qian \(钱小红\)](#), Beijing Proteome Research Center

12:00-12:20

**Ultrasensitive proteomics**

**Norman Dovichi**, University of Notre Dame, USA

## Sample Preparation I

Chair: **Huwei Liu, Guor-Rong Her** Rm 207

11:00-11:20

**GC/ESIMS analysis of trimethylsilyl derivatives**

**Guor-Rong Her (何國榮)**, National Taiwan University

11:20-11:40

**Online Coupling of In-tube Solid Phase Microextraction with DART-MS for Rapid Determination of Triazine Herbicides by Using Polymer Monolith Incorporated with Single-Wall Carbon Nanotubes**

**Huwei Liu (刘虎威)**, Peking University

11:40-12:00

**MALDI optimization for the analysis of various lipid classes**

**Sangwon Cha**, Hankuk University of Foreign Studies, Korea

12:00-12:20

**ICP-MS Based Targeted Protein Quantification**

**Qiuquan Wang (王秋泉)**, Xiamen University

## Instrumentation and Methods I

Chair: **Jentaie Shiea, Xinrong Zhang** Rm 109

11:00-11:20

**Analysis of thermo-labile compounds using DART-MS technique**

**Shuying Liu (刘淑莹)**, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences

11:20-11:40

**Simultaneously Detect Polar/Nonpolar and Volatile/Nonvolatile Chemical and Biological Compounds with Ambient Mass Spectrometry Equipped with Dual ESI+APCI Source**

**Jentaie Shiea (謝建台)**, National Sun Yat-sen University

11:40-12:00

**Picoliter-per-minute Electrospray for Single Cell Metabolomics Analysis**

**Xinrong Zhang (张新荣)**, Tsinghua University

12:00-12:20

**Direct characterization of bulk samples by internal extractive electrospray ionization mass spectrometry,**

**Huanwen Chen (陈焕文)**, East China Institute of Technology

12:20 Lunch

12:30-14:00 **Vendor Seminar**

**AB Sciex (Room 105) Agilent (Room 106) Bruker (Room 102)**

**Shimadzu (Room 206) Thermo (Room 203) Waters (Room 202)**

12:30-13:40 **International coordination meeting (the 3rd floor of Nong Yuan)**

Thursday, July 17 Afternoon

7月17日(星期四)下午

## Fundamental II

Chair: [Kentaro Yamaguchi](#), [Evan Bieske](#) Rm 107

14:00-14:20

**Cold-Spray Ionization Mass Spectrometry of Coordination Complexes**

[Kentaro Yamaguchi](#) (山口健太郎), Tokushima Bunri University, Japan

14:20-14:40

**Thermodynamics play a role in the peptide sequencing using radical-directed dissociation mass spectrometry**

[Han Bin Oh](#), Sohang University, Korea

14:40-15:00

**Photoisomerization and photofragmentation of retinal protonated Schiff base**

[Evan Bieske](#), University of Melbourne, Australia

15:00-15:15

**Direct IR photodissociation spectra of protein ions in the gas phase**

[Xianglei Kong](#) (孔祥蕾), Nankai University

15:15-15:30

**Online Photoionization Time-of-Flight Mass Spectrometry and Its Application on the Analysis of Pyrolysis Products in Real Time**

[Yang Pan](#) (潘洋), University of Science and Technology of China

## Sample Preparation II

Chair: [Lihua Zhang](#), [Zhen Liu](#) Rm 205

14:00-14:20

**Selective enrichment/depletion of proteins for proteomic analysis by functional monolithic capillaries**

[Zhen Liu](#) (刘震), Nanjing University

14:20-14:40

**Boronate affinity materials for selective enrichment of glycoproteins for Proteome Analysis**

[Lihua Zhang](#) (张丽华), Dalian Institute of Chemical Physics, Chinese Academy of Sciences

14:40-15:00

**Imaging mass spectrometric study of spatial distribution change of MALDI analytes with sample drying condition**

[Yi-Sheng Wang](#) (王亦生), Academia Sinica

15:00-15:15

**Bioimaging of platinum complexes by laser ablation-inductively coupled plasma-mass spectrometry**

[Kelvin Sze-Yin Leung](#) (梁士贤), Hong Kong Baptist University

15:15-15:30

**High throughput and effective analysis: Application of multi-dimensional liquid chromatography system combined with mass spectrometry in complicated sample analyses**

[Jing Dong](#) (董静), Shimadzu Corporation

## Metabolomics I

Chair: **Guowang Xu, Zongwei Cai** Rm 207

14:00-14:20

**LC-MS/MS-Based Metabolomic Profiling Uncovers Urinary Metabolite Signatures in Idiopathic Parkinson's Disease**

**Zongwei Cai** (蔡宗苇), Hong Kong Baptist University

14:20-14:40

**Comprehensive identification of metabolic biomarkers in HPLC MS-based metabolomics**

**Guowang Xu** (许国旺), Dalian Institute of Chemical Physics, Chinese Academy of Sciences

14:40-14:55

**Metabolomics driven the discovery of functional small molecules towards the complex diseases**

**Haitao Lu** (吕海涛), Chongqing University

14:55-15:10

**Plasma and Urine Metabolite Profiling Reveals Potential Biomarkers of Human Functional Constipation**

**Shuhai Lin** (林树海), Hong Kong Baptist University

15:10-15:25

**Understanding metabolomic data with stable isotope flux analysis**

**Jun Xu**, University of Southern California, USA

## Instrumentation and Methods II (Chinese)

Chair: **刘志强, 张四纯** Rm 109

14:00-14:20

**中药复杂体系中活性物质筛选的质谱方法研究**

**刘志强**, 中科院长春应化所

14:20-14:40

**热释电材料辅助激光解吸离子化方法**

**张四纯**, 清华大学

14:40-15:00

**质谱技术在司法鉴定中的应用**

**谢孟峡**, 北京师范大学

15:00-15:15

**安捷伦 2014 年最新 LC/MS, GC/MS 技术和解决方案**

**Na Pi Parra**, Agilent Technologies

15:15-15:30

**具备优异定性定量的最新 QTOF 技术 Xevo G2-XS**

**吴学立**, Waters Technologies (Shanghai) Limited

**15:30-16:30 Coffee Break and Poster Session I**

## Proteomics II

Chair: [Fuyi Wang](#), [Haojie Lu](#) Rm 205

16:30-16:50

**Multi-Functional MBIT for Peptide Tandem Mass Spectrometry**

[Seung Koo Shin](#), Pohang University of Science and Technology, Korea

16:50-17:10

**Mass Spectrometric Proteomics for Identification of Cellular Proteins in Response to DNA damages by Platinum Anticancer Agents**

[Fuyi Wang](#) (汪福意), Institute of Chemistry, Chinese Academy of Sciences

17:10-17:30

**Mass spectrometry-based Novel techniques and methods for N-glycoproteomics and N-glycomics**

[Haojie Lu](#) (陆豪杰), Fudan University

17:30-17:45

**New proteomics approaches for comprehensive characterization of PTM**

[Hanfa Zou](#) (邹汉法), Dalian Institute of Chemical Physics, Chinese Academy of Sciences

17:45-18:00

**Top-down Characterization of E. Coli Proteome Using Two-dimensional Liquid Chromatography Tandem Mass Spectrometry and ProteinGoggle Database Search**

[Zhixin Tian](#) (田志新), Tongji University

## Drug and Food Analysis I

Chair: [Man-Ho Choi](#), [Mingshe Zhu](#) Rm 207

16:30-16:50

**Bringing quantitative steroid signatures into the clinical chemistry**

[Man-Ho Choi](#), Korea Institute of Science and Technology, Korea

16:50-17:10

**High resolution-mass spectrometry in identification of drug metabolites and other xenobiotics; Current status and future direction**

[Mingshe Zhu](#) (朱明社), Bristol-Myers Squibb Research and Development, USA

17:10-17:30

**Methodology for precise understanding of drug imaging mass spectrometry using Mass Microscope**

[Shuichi Shimma](#) (新間秀一), National Cancer Center Hospital, Japan

17:30-17:50

**Structural Identification of Flavonol Glycosides in a Plant Single-cell with MSn Spectra of Orbitrap FT-MS**

[Tohru Yamagaki](#) (山垣亮), Suntory Foundation for Life Sciences, Japan

17:50-18:05

**Probing the interactions of cisplatin with proteins by high-resolution mass spectrometry**

[Meng Cui](#) (崔勳), Changchun Institute of Applied Chemistry, Chinese Academy of Sciences

## Instrumentation and Methods III

Chair: [Wei Hang, Jinming Lin](#) Rm 107

16:30-16:50

**Recent developments in Orbitrap mass spectrometry**

[Alexander Makarov](#), Thermo Fisher Scientific

16:50-17:10

**Laser Plasma Mass Spectrometry, from Instrumentation to Method Development**

[Wei Hang \(杭纬\)](#), Xiamen University

17:10-17:30

**Development of Atmospheric Plasma Desorption/Ionization Sources for Ambient Mass Spectrometry**

[Yixiang Duan \(段忆翔\)](#), Sichuan University

17:30-17:50

**Development of Microfluidic Device Combined with Mass Spectrometer for Study of Cell Drug Metabolism**

[Jinming Lin \(林金明\)](#), Tsinghua University

17:50-18:10

**Intact micro-particle mass spectrometry**

[Zongxiu Nie \(聂宗秀\)](#), Institute of Chemistry, Chinese Academy of Sciences

## Environmental Analysis I (Chinese)

Chair: [汪海林, 史权](#) Rm 109

16:30-16:50

**碳酸氢铵增强的超高效液相色谱-串联质谱法鉴定与分析人体内丙烯醛-DNA 加合物**

[汪海林](#), 中科院生态环境研究中心

16:50-17:10

**同位素丰度测量与计量标准**

[周涛](#), 中国计量科学院

17:10-17:30

**环境样品中含硫有机质的高分辨质谱分析**

[史权](#), 中国石油大学

17:30-17:45

**AB SCIEX 新产品 Triple Quad? 3500 LC/MS/MS 系统及其检测应用**

[施扬](#), AB Sciex

17:45-18:00

**ICP-MS 2000 在环境水质监测中的应用**

[周立](#), 江苏天瑞仪器股份有限公司

**18:30 VIP dinner sponsored by Thermo-Fisher 赛默飞 VIP 晚宴**

**The committee meeting (July 17 after the Thermo banquet, Rm A205 of PKU Chemistry Building)**

Friday, July 18 Morning

7月18日(星期五)上午

### Proteomics III

Chair: [Lingjun Li](#), [Myeong Hee Moon](#) Rm 205

8:00-8:20

**Isotope-Coded Carbamidomethylation (iCCM) for Quantitative Glycoproteomics with Microbore Hollow Fiber Enzyme Reactor-Nanoflow Liquid Chromatography-Tandem Mass Spectrometry**

[Myeong Hee Moon](#), Yonsei University, Korea

8:20-8:40

**Comparative Peptidomic Analysis towards Functional Discovery of Neuropeptides**

[Lingjun Li](#) ([李灵军](#)), University of Wisconsin-Madison, USA

8:40-9:00

**Deciphering Proteome Contents of Exosomes Secreted by Liver Cancer Cell Lines**

[Chuen-Wai Terence Poon](#) ([潘全威](#)), Chinese University of Hong Kong

9:00-9:15

**Developing an MS-based Platform for High-throughput and Quantitative Assessment of Protein-ligand Interaction: Application in Drug Candidate Screening**

[Wenqing Shui](#) ([水雯菁](#)), Tianjin Institute of Industrial Biotechnology, Chinese Academy of Sciences

9:15-9:30

**Quantitative analysis of CYP450 isoforms by the combination of proteomics and chemical probe-based assay**

[Lianghai Hu](#) ([胡良海](#)), Jilin University

### Drug and Food Analysis II (Chinese)

Chair: [张金兰](#), [肖国平](#) Rm 107

8:00-8:20

**热电离质谱在无机痕量分析中新进展**

[肖国平](#), 中国原子能科学研究院

8:20-8:40

**中药复杂成分体内代谢产物发现和鉴定的色谱质谱新策略研究**

[张金兰](#), 医学科学院药物研究所

8:40-9:00

**热重-红外-气相色谱/质谱在食用油分析中的应用**

[张庆合](#), 中国计量科学院

9:00-9:20

**利用 H/D 在线交换等质谱技术研究药代途径及活性位点**

[周江](#), 北京大学

9:20-9:35

**PerkinElmer 最新质谱技术及应用**

[韩志强](#), PerkinElmer Inc.



## Instrumentation and Methods IV

Chair: [Yi Chen](#), [Chung-Hsuan Chen](#) Rm 207

8:00-8:20

**Desorption and ionization for mass spectrometry**

[Yi Chen](#) (陈义), Institute of Chemistry, Chinese Academy of Sciences

8:20-8:40

**Novel Mass Spectrometry Technology Development for Bioparticle Measurements**

[Chung-Hsuan Chen](#) (陈仲瑄), Academia Sinica

8:40-9:00

**Exploring bi-directional signaling in tumor microenvironment by proteomic approaches**

[Ruijun Tian](#) (田瑞军), South University of Science and Technology of China

9:00-9:15

**Microextraction Probe Electrospray Ionization: A Novel Strategy for Ultra Trace Analysis Using Ambient Mass Spectrometry**

[Tiangang Luan](#) (栾天罡), Sun Yat-Sen University

9:15-9:30

**Unraveling the Molecular Code : Reading Isotopic Fine Patterns as a Novel and Powerful Strategy for Assigning Molecular Formula with Certainty**

[Michael Easterling](#), Bruker Daltonics Inc.

## Environmental Analysis II

Chair: [Jinying Li](#), [Takeshi Nakano](#) Rm 109

8:00-8:20

**Determination of uranium isotope abundance by Q-ICP-MS**

[Jinying Li](#) (李金英) Institute of Atomic Energy & China Resources Co. Ltd

8:20-8:40

**Can GC-MS and IMS data of MVOCs identify fungal species? Development of a software for conserving cultural heritage sites**

[Takae Takeuchi](#) (竹内孝江), Nara Women's University, Japan

8:40-9:00

**Unintentional formation of PCB from manufacturing process**

[Takeshi Nakano](#) (中野武), Osaka University, Japan

9:00-9:20

**Mass spectrometric methods applied to nuclear geology**

[Dongfa Guo](#) (郭冬发), Beijing Research Institute of Uranium Geology

**9:30-10:30 Coffee Break and Poster Session II**

## Metabolomics II (Chinese)

Chair: 再帕尔-阿不力孜, 冯钰铨 Rm 107

10:30-10:50

基于 LC-MS 技术的代谢组学分析方法研究及其在恶性肿瘤中的应用

再帕尔-阿不力孜, 医学科学院药物研究所

10:50-11:10

体外稳定同位素标记—双中性丢失扫描用于核糖基化小分子生物标志物的预筛选

冯钰铨, 武汉大学

11:10-11:30

金属标记结合质谱的目标蛋白质组绝对定量新方法研究

张养军, 军事医学科学院

11:30-11:45

Q Exactive 高分辨质谱应用于细胞代谢组学研究：从非靶标发现到靶标验证

吴泽明, Thermo Fisher Scientific

11:45-12:00

基于代谢组学策略的中药质控新方案

张政祥, Agilent Technologies

## Proteomics IV

Chair: Mengqiu Dong, Yet-Ran Chen Rm 205

10:30-10:50

A Novel Chemical Cross-linker Coupled with Mass Spectrometry for Structural Analysis of Protein Complexes

Mengqiu Dong (董梦秋), National Institute of Biological Sciences

10:50-11:10

Study of the Plant Defense Signaling using OMICS Approach and Its Application on the Plant Immunity Regulation

Yet-Ran Chen (陈逸然), Academia Sinica

11:10-11:30

Master AMT Database Approach for Label-Free Quantitation (MAD4QUAN): Application to Uncover Biomarkers for Type 2 Diabetes Mellitus from Visceral Adipose Tissue Proteomes

Sang-Won Lee, Korea University, Korea

11:30-11:50

Quantitative analysis of prostate specific antigen isoforms using immunoprecipitation and isotope dilution mass spectrometry

Sung-Fang Chen (陈颂方), National Taiwan Normal University

11:50-12:05

The integrated interactome and transcriptome analysis of the oncoprotein YBX1

Ruibing Chen (陈瑞冰), Tianjin Medical University

## Instrumentation and Methods V

Chair: **Hyun Sik Kim, Ming-Ren Fuh** Rm 207

10:30-10:50

### A Low Power Consuming Portable Mass Spectrometer

**Hyun Sik Kim**, Korea Basic Science Institute, Korea Society for Mass Spectrometry, Korea

10:50-11:10

### Microfluidic LC-tandem MS for food analysis

**Ming-Ren Fuh** (傅明仁), Soochow University

11:10-11:30

### Software-assisted Evaluation using TG/PI-QMS with Skimmer Interface for Polymer Products

**Takahisa Tsugoshi** (津越敬寿), National Institute of Advanced Industrial Science and Technology, Japan

11:30-11:50

### Electrospray Ionization on Solid Substrates

**Zhong-ping Yao** (姚钟平), The Hong Kong Polytechnic University

11:50-12:10

### Visualization and quantification of brain metabolic fluxes of glucose in the awake mice by mass spectrometry

**Yuki Sugiura** (杉浦悠毅), Keio University, Japan

## Fundamental III

Chair: **Hugh I. Kim, Chuanfan Ding** Rm 109

10:30-10:50

### Dianions as strong gas-phase bases

**Berwyck Poad**, University of Wollongong, Australia

10:50-11:10

### Host-Guest Chemistry from Solution to the Gas Phase: Investigation of Unique Binding Properties of Cucurbit[n]urils in Water Using Electrospray Ion Mobility Mass Spectrometry

**Hugh I. Kim**, Pohang University of Science and Technology, Korea

11:10-11:30

### Utility of Energy-Resolved Tandem Mass Spectrometry in Structural Characterization of Small Organic Molecules

**Takemichi Nakamura** (中村健道), RIKEN/Institute of Physical and Chemical Research, Japan

11:30-11:50

### Ionization mechanism of amino acids in direct analysis in real time-mass spectrometry (DART-MS)

**Kanako Sekimoto** (関本奏子), Yokohama City University, Japan

11:50-12:10

### New Ion trap mass analyzers and ion activation methods

**Chuanfan Ding** (丁传凡), Fudan University

Friday, July 18 Afternoon

7月18日(星期五)下午

## Proteomics V

Chair: [Haiteng Deng](#), [Manfred Raida](#) Rm 205

14:00-14:20

**The Developing Role of Mass Spectrometry in the Lipidomics Field**

[Manfred Raida](#), National University of Singapore, Singapore

14:20-14:35

**Chemical Biology of Glutathionylation**

[Haiteng Deng](#) (邓海腾), Tsinghua University

14:35-14:50

**Proteomic profiling of intracellular *Salmonella Typhimurium* during infection reveals severe iron starvation in the host**

[Xiaoyun Liu](#) (刘小云), Peking University

14:50-15:05

**Highly selective and ultra fast solid-phase extraction of N-glycoproteome by oxime click chemistry using aminoxy-functionalized magnetic nanoparticles**

[Ying Zhang](#) (张莹), Fudan University

15:05-15:20

**High efficiently N-glycoproteomic analysis by using integrated microreactors**

[Fangjun Wang](#) (王方军), Dalian Institute of Chemical Physics, Chinese Academy of Sciences

15:20-15:35

**Development and Application of New Materials and Methods for Protein-PTM Enrichment and Identification by Mass Spectrometry**

[Weijie Qin](#) (秦伟捷), Beijing Proteome Research Center

## Fundamental IV

Chair: [Kwang Pyo Kim](#), [Pang-Hung Hsu](#) Rm 207

14:00-14:20

**Application of MALDI imaging MS for Biomarker discovery and Drug Distribution analysis**

[Kwang Pyo Kim](#), Kyung Hee University, Korea

14:20-14:40

**Graphene oxide-assisted paper spray for analysis of malachite green**

[Pang-Hung Hsu](#) (許邦弘), National Taiwan Ocean University

14:40-14:55

**Isomeric Differentiation by Mass Spectrometry without Fragmenting the Ions**

[Hai Luo](#) (罗海), Peking University

14:55-15:10

**Mass Spectrometric Study of "Fluorine dancing"**

[Hao-Yang Wang](#) (王昊阳), Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences

15:10-15:25

**Determination of Hydrogen and Oxygen Isotope Ratios in Water Samples by GP-IRMS Using Aqua Equilibration Technique**

[Xiaoying Wang](#) (王小英) Academy of Engineering Physics

## Instrumentation and Methods VI

Chair: [Guangmin Huang](#), [Wen-Ping Peng](#) Rm 107

14:00-14:20

**Guiding High Mass MALDI Ions in Multi-Quadrupoles**

[Wen-Ping Peng](#) ([彭文平](#)), National Dong Hwa University

14:20-14:35

**Redox reaction in electrostrpay ionization mass spectrometry: to avoid or utilize it**

[Guangmin Huang](#) ([黄光明](#)), University of Science and Technology of China

14:35-14:50

**Mass Selective Ion Transfer and Accumulation in Ion Trap Arrays**

[Wei Xu](#) ([徐伟](#)), Beijing Institute of Technology

14:50-15:05

**On-line nanoelectrospray for the high-throughput screening of enzymes by mass spectrometry**

[Na Na](#) ([那娜](#)), Beijing Normal University

15:05-15:20

**Discovery of xanthine oxidase inhibitors from Chinese herbs using an online, restricted-access material coupled with column-switching liquid chromatography with a diode-array detection and Mass Spectrum system**

[Jing Zhao](#) ([赵静](#)), University of Macau, Macao

15:20-15:35

**Direct MS analysis of blood culture volatiles for the rapid diagnosis of bacteremia in humans**

[Konstantin Chingin](#), East China Institute of Technology

## Sample Preparation III (Chinese)

Chair: [郭寅龙](#), [李攻科](#) Rm 109

14:00-14:20

**Highly sensitive and specific MS analysis for different levels of free fatty acids and fatty alcohols in thyroid carcinoma and para-carcinoma tissues**

[郭寅龙](#), 中科院上海有机所

14:20-14:40

**单一蛋白分子糖组学研究新策略**

[李智立](#), 协和医科大学

14:40-15:00

**色谱/质谱分析样品前处理方法研究进展**

[李攻科](#), 中山大学

15:00-15:20

**磷酸化多肽富集新方法**

[白玉](#), 北京大学

15:20-15:35

**小分子污染物的石墨烯萃取与 MALDI-TOF MS 分析**

[刘倩](#), 中国科学院生态环境研究中心

**15:30-16:00 Coffee Break**

<b>Plenary Session</b>		<b>Chair: Prof. Shuying Liu</b>
16:00-16:40	Novel methods for the relative quantification of proteomes <b>Prof. Yu-Kui Zhang (张玉奎)</b> , Dalian Institute of Chemical Physics, CAS	
16:40-17:20	Identification of New Persistent Organic Pollutants by Chromatography Coupled with Mass Spectrometry <b>Prof. Guibing Jiang (江桂斌)</b> , Research Center for Eco-Environmental Sciences, CAS	
<b>Closing Ceremony</b>		<b>Chair: Prof. Jinying Li</b>
17:20-18:00	Shimadzu YSF Award Ceremony ACS Poster Award Ceremony	
<b>18:30</b>	<b>PKU Chemistry Banquet</b>	北大化学晚宴