AIMS2018 Program Preview · XiAn China

2018 年第五届中国原位电离质谱会议 (西安) 日程 (预)

日期 DATE	时间 TIME	主要内容 CONTENTS
April 26 4 月 26 日	14:00–22:00	**Registration, Booth and Poster Setup** ➢ Shangri-La Hotel Lobby（1F）and Xi An Hall（2F） **报到、注册、布展** ➢ 香格里拉大酒店一楼大堂（报到注册）及二楼西安厅会议厅（布展）
Section I：The Cutting-edge Foundation of AIMS (1st Day Morning) ➢ Shangri-La Hotel 2F Xi An Hall (8:30am - 12:15pm) **第一部分：原位电离前沿基础 (1)：进展与展望**（主会场，首日上午） ➢ 会议厅: 香格里拉大酒店二楼西安厅会议厅 (8:30am - 12:15pm)		
April 27 4 月 27 日	**8:30**–8:45	Opening Remarks – 开幕式及嘉宾致辞 **Prof. Yongning Wu,** Director, China National Center for Food Safety Risk Assessment 国家食品安全风险评估中心 技术总师 **吴永宁** 教授
Chairs **主持人** Jentaie Shiea 谢建台 David D.Y. Chen	8:45–9:20	The Development of Fourier Transform Ion Cyclotron Resonance (FT-ICR) Spectroscopy 傅里叶变换离子回旋共振质谱的研制 **Prof. Mel Comisarow,** University of British Columbia, Canada 加拿大英属哥伦比亚大学 **Mel Comisarow** 教授
	9:20–9:50	Laser Ablation Electrospray Ionization: New Modalities with Ultrahigh Resolution Mass Spectrometry and Fluorescence Microscopy **Prof. Akos Vertes,** George Washington University, USA 美国乔治·华盛顿大学 **Akos Vertes** 教授
	9:50–10:20	Non-targeted Fast Screening of Hundreds Residual Pesticides on Fruits, Eggs and Soil Using Ambient Mass Spectrometry 原位质谱用于快速筛查水果蛋类和土壤的数百种农残 **Prof. Jentaie Shiea,** Department of Chemistry, National Sun Yat-Sen University, Kaohsiung, Taiwan 国立中山大学化学系 **谢建台** 教授
Chairs	10:20–10:40	Tea Break, Poster Review 茶 歇、墙报观览

主持人 Robert (Chip) Cody Zhongping Yao 姚钟平	**10:40**–11:10	Rapid Analysis of Natural Products using Mechanochemical Extraction followed by DART-MS 机械化学提取法与 DART-MS 联用快速及高效分析天然产物 **Prof. David D.Y. Chen,** University of British Columbia, Canada 加拿大英属哥伦比亚大学 **David D.Y. Chen** 教授
	11:10–11:40	"One Size Does NOT Fit All": DART and Complementary Ambient Ionization Sources "取长补短": DART 及互补型原位电离技术 **Dr. Robert (Chip) Cody,** JEOL(US) Product Manager, DART Innovator, USA 美国 JEOL 公司资深科学家、产品经理、DART 共同发明人 **Robert (Chip) Cody** 博士
	11:40–12:10	Solid-substrate Electrospray Ionization Mass Spectrometry: Surface Modification for Enhanced Detection of Analytes in Complex Samples 固相基底电喷雾质谱：表面修饰以提高复杂样品中分析物检测 **Prof. Zhongping Yao,** Hong Kong Polytech University, Hong Kong 香港理工大学应用生物与化学科技系 **姚钟平** 教授
April 27	12:15–13:45	Sponsored Lunch 赞助午宴

Section II：The Application of AIMS in Omics & Imaging (1st Day Afternoon)

- Shangri-La Hotel 2F Xi An Hall (1:45pm - 6:10pm)

第二部分：原位电离与组学及成像（主会场，首日下午）

- 会议厅: 香格里拉大酒店二楼西安厅会议厅 (1:45pm - 6:10pm)

April 27 4 月 27 日 **Chairs** **主持人** Fuquan Yang 杨福全 Huiru Tang 唐惠儒	**13:45**–14:15	Quantitative Metabolomics by Probe-assisted Sensitivity Enhancing Mass Spectrometry (PRASEMS) 代谢组的探针增敏质谱定量技术 **Prof. Huiru Tang**，Fudan University, Shanghai, China 复旦大学生命科学院 **唐惠儒** 教授
	14:15–14:40	Novel Enhanced Strategies and Applications of Shotgun Lipidomics for Metabolism and Translational Research 鸟枪法脂质组学在代谢和转化医学研究中的新策略及其应用 **Prof. Xianlin Han**，University of Texas Health San Antonio, USA 德克萨斯大学圣安东尼奥分校、浙江中医药大学 **韩贤林** 教授
	14:40–15:05	Multifaceted Applications of Lipidomics: from Immense Coverage of Cellular Complexity to Spatial Precision 脂质组学及其广泛应用：从复杂组分的高覆盖分析到精确空间定位 **Prof. Guanghou Shui,** Institute of Genetics and Developmental Biology Chinese Academy of Sciences, Beijing, China 中科院遗传发育所 **税光厚** 教授

Chairs **主持人** Zongwei Cai 蔡宗苇 Lingjun Li 李灵军	15:05–15:30	Application of MS Imaging in the Analysis of Spatial Distribution Characteristics of Endogenous Metabolites in Colorectal Cancer and its Auxiliary Diagnosis 分子质谱成像技术在结直肠癌内源性代谢物空间分布特征解析及辅助诊断中的应用 **Prof. Shouhong Gao,** Shanghai Changzheng Hospital, Shanghai, China 上海长征医院 **高守红** 教授
	15:30–15:50	Tea Break, Poster Review 茶 歇、墙报观览
	15:50–16:15	AP MALDI-Quadrupole-Orbitrap MS Platform for High Spatial and High Mass Spectral Resolution *In Situ* Analysis of Biomolecules 常压基质辅助激光解吸/电离 (AP MALDI) -四极杆-轨道阱质谱平台用于高空间和高质量分辨率原位生物分子分析 **Prof. Lingjun Li,** School of Pharmacy and Department of Chemistry, University of Wisconsin-Madison, USA 美国威斯康星大学麦迪逊分校药学院与化学系 **李灵军** 教授
	16:15–16:40	Ultra-high Spatial Resolution Ambient Ionization Mass Spectrometry Imaging using Microscopy Image Fusion 超高分辨率原位电离质谱成像 **Asst. Prof. Cheng-Chih (Richard) Hsu**, Chemistry Department, National Taiwan University, Taipei, Taiwan 国立台湾大学化学系 **徐丞志** 助理教授
	16:40–17:05	MALDI-MS Imaging Method Development and Application in Research of Environmental Toxicology 质谱成像技术在环境毒理研究中的应用 **Prof. Zongwei Cai,** Hong Kong Baptist University, Hong Kong 香港浸会大学 **蔡宗苇** 教授
	17:05–17:30	Deeper Proteome Coverage with TimsTOF Pro Powered by PASEF timsTOF Pro PASEF 技术带您进入更深入的蛋白组学世界 **Dr. Kefei Wang,** Senior Commerical Director, Bruker Daltonics China 布鲁克・道尔顿大中华区高级商业总监 **王克非** 博士
	17:30–17:50	Quantitative Evaluation towards the Glutathione S-Transferases in Human Plasma Using Affinity coupling with LC-MS/MS 亲和质谱定量评价血浆中谷胱甘肽 S-转移酶 **Prof. Yan Ren,** BGI, Shenzhen, China 华大基因 **任艳** 教授
	17:50–18:10	Natural Products Analysis using DART ionization 天然产物的 DART 质谱剖析 **Prof. Young Pyo Jang,** College of Pharmacy Kyung Hee University, Seoul, Korea 韩国庆熙大学药学院 **Young Pyo Jang** 教授
April 27	**18:30**–20:30	**Dinner and Cocktail Party** **酒会、晚会**

Section III： Advances in AIMS Related Fields (2nd Day Morning)

- Shangri-La Hotel 2F Xi An Hall (8:45am - 12:15pm)

- **第三部分：原位电离前沿基础 (2): 新技术新方法**（主会场，次日上午）
  - 会议厅: 香格里拉大酒店二楼西安厅会议厅 (8:45am - 12:15pm)

April 28 4 月 28 日 **Chairs** **主持人** Tiangang Luan 栾天罡 Catherine C.L. Wong 黄超蘭	**8:45**–9:15	Nanoliter-Scale Oil-Air-Droplet Chip-Based Single Cell Proteomic Analysis 纳升级 OAD 芯片的单细胞蛋白质组学分析 **Prof. Catherine C.L. Wong,** Peking University Health Science Center, Beijing, China 北京大学医学部 **黄超蘭** 教授
	9:15–9:40	Real-time analysis of low volatility metabolites in breath by Secondary Electro-Spray Ionization SESI 离子化质谱技术实时分析呼吸气中的低挥发性代谢物 **Dr. Guillermo Vidal-de-Miguel,** Fossil Ion Technology (FIT), Malaga (Spain) 申轲贸易（北京）有限公司 **Guillermo Vidal-de-Miguel** 博士
	9:40–10:05	Strategies for Coupling Solid-phase Microextraction with Ambient Mass Spectrometry 微萃取与质谱联用在环境和生物分析的应用 **Prof. Tiangang Luan,** Sun Yat-Sen University, Guangzhou, China 中山大学 **栾天罡** 教授
	10:05–10:30	High Throughput Screening of Pesticide Residues by Combination of Highly Efficient Solid-phase Micro-extraction and DART-MS 高效固相微萃取与 DART-MS 结合的农药残留快速筛查方法研究 **Assoc. Prof. Hongli Li,** Nanjing Normal University, Nanjing, China 南京师范大学 **李红丽** 副教授
	10:30–10:50	Tea Break, Poster Review 茶 歇、墙报观览
Chairs **主持人** Hongli Li 李红丽 Xing Fan 樊星	**10:50**–11:15	Hydrogen Flame Desorption Ionization Mass Spectrometry Analysis of Picoliter Samples 氢火焰解析电离质谱用于皮升级样品分析 **Prof. Yinlong Guo,** Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai, China 中科院上海有机化学研究所 **郭寅龙** 教授
	11:15–11:35	Photoionization Mass Spectrometry and Its Applications 原位光电离催化反应质谱技术及应用 **Assoc. Prof. Yang Pan**, China University of Science and Technology, Hefei, China 中国科学技术大学 **潘洋** 副教授

	11:35–11:55	Ambient Ionization Mass Spectrometry Based on Dicationic Ionic Liquids 基于双阳离子型离子液体的原位电离质谱分析技术研究 **Dr. Qiang Ma**, Deputy Director, Institute of Industrial Products, Chinese Academy of Inspection and Quarantine, Beijing, China 中国检验检疫科学研究院 **马强** 研究员
	11:55–12:15	Rapid evaporative ionization mass spectrometry (REIMS) for real-time typing and analysis of biological samples 闪蒸离子化质谱（REIMS）实时识别分析生物样本 **Dr. Wei Rao,** Senior Application Specialist, Waters Corporation 沃特世公司 **饶炜** 博士
April 28	12:15–13:45	**Waters** Sponsored Lunch **沃特世**赞助午宴
Section IV (a)：The Standardization of AIMS for Precision Testing (Parallel A, 2nd Day Afternoon) ➢ Shangri-La Hotel 2F Xi An Hall (1:45pm – 6:05pm) **平行第四部分：AIMS 精准分析标准化**（分会场 A，次日下午） ➢ 会议厅: 香格里拉大酒店二楼西安厅会议厅 (1:45pm - 6:05pm)		
April 28 4 月 28 日 **Chairs** **主持人** Qiang Ma 马强 Hailin Wang 汪海林	**13:45**–14:10	Accurate Quantification of Urinary Creatinine by Stable Isotope Dilution DART Coupled with Quadrupole Time-of-flight Mass Spectrometry **Prof. Hailin Wang**, Research Center for Eco-Environmental Sciences, CAS, Beijing, China 中科院生态环境研究中心 **汪海林** 教授
	14:10–14:30	解析电喷雾电离质谱成像技术在中药体内研究中的应用：钩藤生物碱 *In vivo* Study of TCM by DESI-MSI：Uncaria Alkaloids as Example **Dr. Jinjun Hou,** Shanghai Institute of Materia Medica, CAS**,** Shanghai, China 中科院上海药物所 **侯晋军** 博士
	14:30–14:50	Ambient Ionization for FT Ion Cyclotron Resonance Mass Spectrometric Analysis 基于 FT-ICR-MS 的原位电离分析技术及应用 **Assoc. Prof. Yunyun Yang,** National Guangzhou Analytical Center, Guangzhou, China 广东省测试分析研究所 **杨运云** 副研究员
	14:50–15:10	The Mechanism for Recognition and Regulation of Histone Modifications **Prof. Jianye Zang**，China University of Science and Technology, Hefei, China 中国科技大学 **臧建业** 教授

Chairs **主持人** Jianzhong Xu 徐建中 Jie Cao 曹洁	15:10–15:30	Absolute Quantitative of Elements in Biological Tissues by Using Isotope Dilution Laser Ablation ICP-MS 基于同位素稀释-激光剥蚀质谱的原位微区绝对定量技术研究 **Dr. Liuxing Feng**, China National Institute of Metrology, Beijing, China 中国计量科学研究院 **冯流星** 副研究员
	15:30–15:50	Tea Break, Poster Review 茶 歇、墙报观览
	15:50–16:15	Rapid Screening of Abused Drugs by DART-MS Combined with Other Analytical Means 运用 DART-MS 结合其他分析手段快速筛查毒品 **Prof. Yurong Zhang**, Shanghai Forensic Institute, Shanghai, China 上海公安局物证鉴定中心 **张玉荣** 副主任
	16:15–16:35	Thermal Desorption DART Mass Spectrometry for Explosive Substances TD-DART 快速检测爆炸类物质 **Prof. Jie Cao**, Beijing University of Technology, Beijing, China 北京理工大学 **曹洁** 教授
	16:35–16:55	Rapid Screening of Synthetic Cannabinoids in Blood by DART-MS 采用 DART-MS/MS 检测血液中的合成大麻素 **Dr. Wenfang Zhang**, Beijing Forensics Institute, Beijing, China 北京法医中心 **张文芳** 博士
	16:55–17:15	Application of Microscopic Examination Combined with DART-MS in Screening of Risk Substances in Farming Industry 镜检结合 DART 在养殖环节风险物筛查中应用初探 **Dr. Jiyuan Guo / Qing Yang**, New Hope Group, Qingdao, China 新希望六和 **郭吉原/杨青** 博士
	17:15–17:35	Applications of DART-MS in Known Objects Screening and Unknown Objects Identification in Natural Products 实时直接分析离子源在已知物筛查以及天然产物中未知物检测中的应用 **Dr. Yingshuang Xie**, Gansu CIQ, Lanzhou, China 甘肃出入境 **解迎双** 博士
	17:35–17:55	Rapid Screening of Small Molecular Organic Acids by DART-MS DART-MS 法快速筛查小分子有机酸的应用 **Associate Prof. Zhongping Huang**, Zhejiang University of Technology, Hangzhou, China 浙江工业大学 **黄忠平** 副教授
April 28	**18:30–**21:30	Finale Dinner and Party, Closing Remarks 闭幕晚宴、晚会

Section IV (b)：The Industrialization and Miniaturization of AIMS

(Parallel B, 2nd Day Afternoon)

- Shangri-La Hotel 2F Xi An Hall (1:45pm – 6:05pm)

平行第四部分：原位电离技术产业化与小型化（分会场 B，次日下午）

会议厅: 香格里拉大酒店二楼西安厅会议厅 (1:45pm - 6:05pm)

April 28 4 月 28 日 **Chairs** **主持人** Wenjian Sun 孙文剑 Wei Xu 徐伟	**13:45**–14:10	The Perfect Marriage between Ambient Ionization and Miniature Mass Spectrometer 原位电离与小型化质谱的完美联姻 **Prof. Wei Xu**, Beijing University of Technology, Beijing, China 北京理工大学 **徐伟** 教授
	14:10–14:35	Development and Application of High Resolution Hydrogen Isotope Mass Spectrometry 高分辨氢同位素质谱仪器研制与应用 **Prof. Jinying Li,** China Nuclear E&C Group; Deputy Chief Engineer, Beijing, China 中国核工业建设集团公司副总工程师 **李金英** 教授
	14:35–15:00	An Improved TD-ESI Source and Its Coupling with a Modular Mini Mass Spectrometer for Direct Analysis 增强型 TD-ESI 技术及与模块化小型质谱的联用 **Dr. Wenjian Sun,** Shimadzu, Shanghai, China 岛津上海研发中心 **孙文剑** 博士
	15:00–15:25	Unbelievably Powerful, Remarkably Small—The Innovative Ultivo Triple Quadrupole Mass Spectrometer 质者玲珑，谱度非凡—革命性三重四极杆质谱仪 Ultivo **Xiaodong Wu**, Agilent Technologies 安捷伦科技 **吴晓东**
	15:25–15:45	Tea Break, Poster Review 茶 歇、墙报观览
Chairs **主持人** Yang Pan 潘洋 Qing Wu 吴青	**15:45**–16:10	Minaturized Ion Mobility Mass Spectrometry for Rapid Molecular Identification 小型化离子迁移质谱用于快速分子检测 **Dr. Ching Wu**, Excellims Corporation, USA 美国 Excellims 公司 **吴青** 博士
	16:10–16:30	Ambient Mass Spectrometry System for Point-of-Care Analysis 用于即时诊断分析的原位质谱系统 **Dr. Manqing Kang**, Tsinghua University, Beijing, China 清华大学精密仪器系 **康漫青** 博士
	16:30–16:50	Enabling Automated Sample Presentation for High Throughput DART-MS Analysis using Lab Automation

		利用实验室自动化实现自动载样和高通量 DART-MS 分析 **Frederick Li**, IonSense, Inc. USA 美国 IonSense 公司 **Frederick Li** 应用经理
	16:50–17:10	Determination of Pollutants in Plants by Mechanochemical Magnetic Solid Phase Extraction Combined with Ambient Ionization Mass Spectrometry 机械化学磁性固相萃取法结合原位电离质谱检测植物中的污染物 **Assoc. Prof. Wentao Bi,** Nanjing Normal University, Nanjing, China 南京师范大学化学与材料科学学院 **毕文韬** 副教授
	17:10–17:30	Substrate Modification of Paper Spray Ionization Source and Its Applications 纸喷雾电离源基质的修饰及其应用研究 **Prof. Zhiping Zhang,** Xian Petroleum University, XiAn, China 西安石油大学 **张智平** 教授
April 28	**18:30–**21:30	Finale Dinner and Party, Closing Remarks 闭幕晚宴、晚会

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