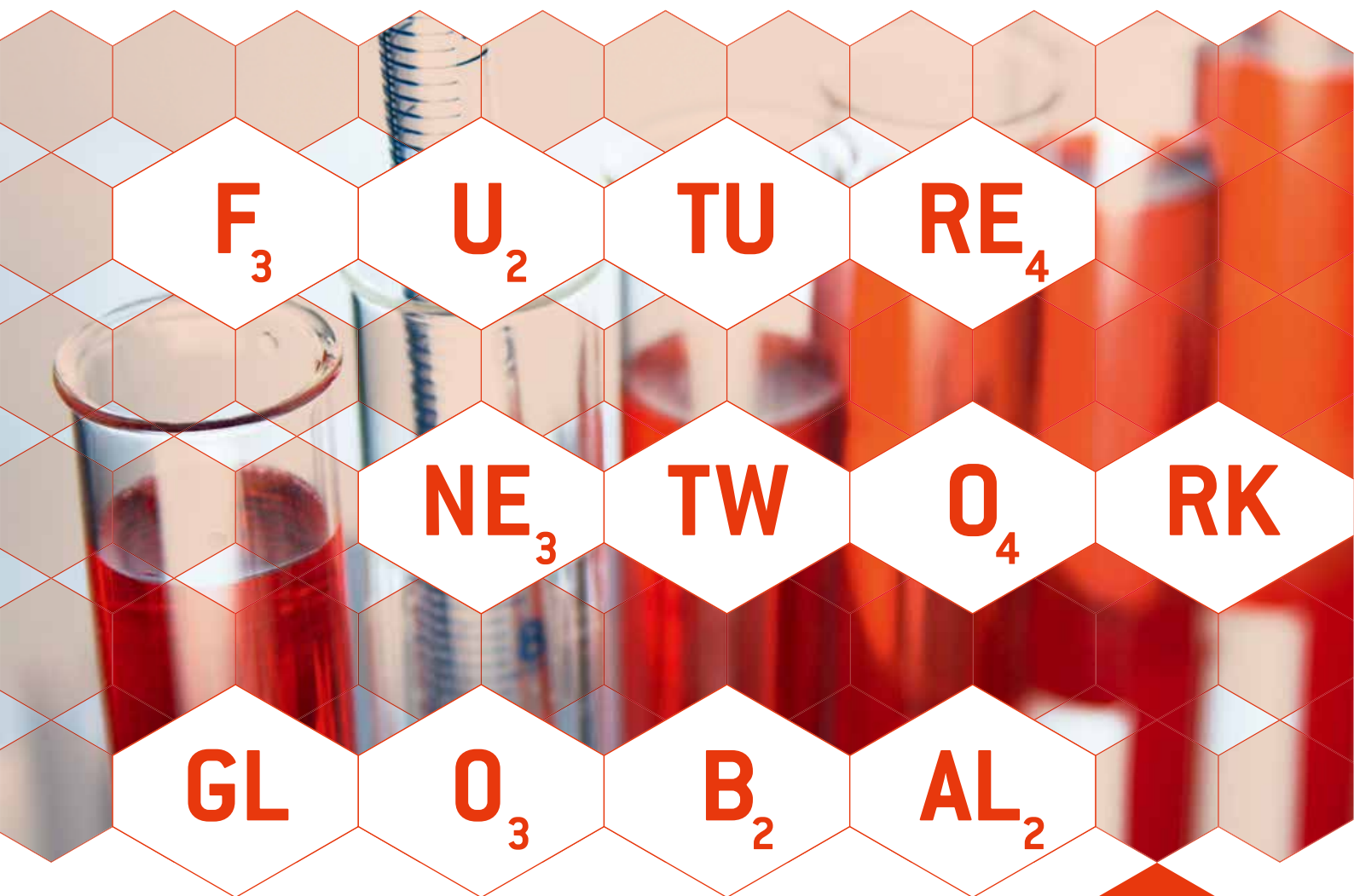




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2020年11月16-18日
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analytica China
慕尼黑上海分析生化展

研讨会 / Conference

日期 Time	会议名称 Conference	会议室 Conference Room	主要议题 Topics	主办单位 Organizers
13:30-17:30	第九届上海国际分析化学研讨会 The 9 th Shanghai International Symposium on Analytical Chemistry	E1-M19	分析化学——让生活更安全 Analytical Chemistry-Safety for Our Life	中国化学会 Chinese Chemical Society 慕尼黑博览集团 Messe München
09:45-19:00	中国国际实验室规划、建设与管理大会 China Int'l Congress on Laboratory Planning, Construction and Management	E4.4672/ E4.4100	现代科研实验建筑的设计与规划 Design and Planning of Modern Scientific Research Building 智慧实验室建设与发展 Smart Laboratory Construction and Development 实验室安全与管理 Laboratory Safety and Management	慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd.
09:30-17:00	精准医学： 从组学技术到精准医学 Precision Medicine: From Multi-Omics to Precision Medicine	E2-M18	组学技术研究热点 Multi-Omics Research Focus 机器学习与精准医学 Machine Learning and Precision Medicine	上海科学技术协会 Shanghai Association for Science & Technology 上海市生物医药行业协会 Shanghai Bio Pharmaceuticals Industry 上海伯豪生物技术有限公司 Shanghai Biotechnology Corporation 慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd.
09:30-11:00	Tutorial I：亲水作用色谱技术 HILIC: Background and Theory for a Better Understanding and Successful Method Development and Application	E1-M11	亲水作用色谱技术 HILIC: Background and Theory for a Better Understanding and Successful Method Development and Application	慕尼黑博览集团 Messe München 默克化工技术(上海)有限公司 Merck Chemicals (Shanghai) Co., Ltd.
10月31日 Oct. 31th	09:30-11:00 Tutorial II：液相和气相的自动化样品前处理在食品、法医和材料挥发领域的应用 Automated Sample Preparation for LC and GC Methods in Food, Forensic and Material	E1-M12	液相和气相的自动化样品前处理在食品、法医和材料挥发领域的应用 Automated Sample Preparation for LC and GC Methods in Food, Forensic and Material	慕尼黑博览集团 Messe München GERSTEL GmbH & Co.KG
11:15-12:45	Tutorial III：基于代谢流和细胞代谢分析的药物作用机制研究策略 The Strategy to Integrate Metabolic Flux, Cell Metabolism with Metabolomics to Study the Mechanism of Drug Action	E1-M11	基于代谢流和细胞代谢分析的 药物作用机制研究策略 The Strategy to Integrate Metabolic Flux, Cell Metabolism with Metabolomics to Study the Mechanism of Drug Action	慕尼黑博览集团 Messe München 安捷伦科技(中国)有限公司 Agilent Technologies (China) Co., Ltd.
11:15-12:45	Tutorial IV：利用表面多孔粒子液相色谱柱技术最大限度地提高环境和食品污染物的LC-MS/MS分析效率 Maximizing the Efficiency of LC-MS/MS Analysis of Environmental and Food Contaminants with Superficially Porous Particle Column Technology	E1-M12	利用表面多孔粒子液相色谱柱技术最大限度地提高环境和食品污染物的LC-MS/MS分析效率 Maximizing the Efficiency of LC-MS/MS Analysis of Environmental and Food Contaminants with Superficially Porous Particle Column Technology	慕尼黑博览集团 Messe München 瑞思泰康科技(北京)有限公司 RESTEK CORPORATION
14:00-16:00	Tutorial V：解析环保新标准-水质烷基汞的测定吹扫捕集/气相色谱冷原子荧光光谱法及其应用之解决方案 Analysis on the New Environmental Standard-Water Quality-Determination of Alkyl Mercury-Purge and Trap GasChromatography/Cold Vapor Atomic Fluorescence Spectrometry and Its Practical Workflow	E1-M13	解析环保新标准-水质烷基汞的测定吹扫捕集/气相色谱冷原子荧光光谱法及其应用之解决方案 Analysis on the New Environmental Standard-"Water Quality - Determination of Alkyl Mercury - Purge and Trap Gas Chromatography/ Cold Vapor Atomic Fluorescence Spectrometry" and Its Practical Workflow	慕尼黑博览集团 Messe München 上海仪真分析仪器有限公司 Esensing Analytical Technology Co., Ltd.



研讨会 / Conference

	14:30-16:30	Tutorial VII : 质者玲珑, 谱度非凡——安捷伦串联质谱技术及应用新高度 Unbelieve Powerful, Remarkably Small - Agilent New MS Technology and Application Era	E4-M25	质者玲珑, 谱度非凡—— 安捷伦串联质谱技术及应用新高度 Unbelieve Powerful, Remarkably Small - Agilent New MS Technology and Application Era	慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd. 安捷伦科技(中国)有限公司 Agilent Technologies (China) Co., Ltd.
	09:30-13:00	workshop : 色谱法介绍 Introductory Chromatography	E1-M13	色谱法介绍 Introductory Chromatography	慕尼黑博览集团 Messe München
11月1日 Nov. 1th	09:30-16:40	第九届上海国际分析化学研讨会 The 9 th Shanghai International Symposium on Analytical Chemistry	E1-M11/ M12/M13	分析化学——让生活更安全 Analytical Chemistry-Safety for Our Life	中国化学会 Chinese Chemical Society 慕尼黑博览集团 Messe München
	09:30-16:10	2018 中国国际食品产业发展论坛暨上海中欧国际食品安全研讨会 2018 China International Food Industry Development Forum/ Shanghai Sino-EU International Forum on Food Safety	E2-M17/ M18	新时代中国食品产业创新与发展 Innovation and Development of China's Food Industry in New Age	上海市食品学会 Shanghai Society of Food Science 上海食品安全工作联合会 Shanghai Food Safety Federation 慕尼黑博览集团 Messe München
	09:30-17:00	中国国际实验室规划、建设与管理大会 China Int'l Congress on Laboratory Planning, Construction and Management	E4.4672/ E4.4100	现代化实验室的规划与建设 Modern Laboratory Planning and Construction 实验室安全与管理 Laboratory Safety and Management 智能化实验室设计与建设 Smart Laboratory Design and Construction 人与实验室和谐发展 Harmonious Developing of Man and Laboratory	慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd.
	09:00-17:00	2018 LSAC 生命科技论坛 2018 LSAC Life Science & Biotech Forum	E1-M16	高通量测序技术与应用 High-Throughput Sequencing and Application	生物谷 Bioon.com 慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd.
	Nov.01	食品安全快检技术与创新发展论坛 The Forum on Food Safety Rapid Detection Technology and Innovation Development	E3-M23	食品安全现状 Food Safety in Nowadays China 快检技术 Raid Detection Technology 食品安全快检创新 Innovation	北京科学仪器装备协作服务中心 Beijing Associated & Service Center of Scientific Instrument & Equipment 首都科技条件平台检测与认证领域中心 Testing and Certification Centre of Capital Science & Technology Infrastructure 慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd.
	09:30-12:00	仪器信息网仪友会第七站——走进 analytica China 2018	E4-M25	仪器信息网仪友会第七站——走进 analytica China 2018	仪器信息网 www.instrument.com.cn 我要测网 www.woyaoce.cn
	09:00-18:00	2018 环境监测与分析技术研讨会	E3-M24	环境监测与分析技术 Environmental Monitoring and Analysis Technology	《实验与分析》杂志 LaborPraxis China 弗戈工业传媒 Vogel Business Media 慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd.
	13:00-17:00	Tutorial VI : 细胞治疗过程工艺产业化技术研讨会 Symposium on Industrial Production Technology of Cell Therapy	E4-M25	细胞治疗过程工艺产业化技术研讨会 Symposium on Industrial Production Technology of Cell Therapy	慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd. 江苏卓微生物科技有限公司 Jiangsu Jimbio Technology Co., Ltd.
	12:15-13:15	Lunch Seminar I : 液质联用基本方法 Essential LC-MS Method Development	E1-M11	液质联用基本方法 Essential LC-MS Method Development	慕尼黑博览集团 Messe München Phenomenex 飞诺美

研讨会 / Conference

	12:15-13:15	Lunch Seminar II : 关于挥发性和非挥发性微量污染物自动微萃取技术的发展近况 Recent Developments in Automated Micro-Extraction Techniques for Volatile and Non-Volatile Trace Contaminants	E1-M12	关于挥发性和非挥发性微量污染物自动微萃取技术的发展近况 Recent Developments in Automated Micro-Extraction Techniques for Volatile and Non-Volatile Trace Contaminants	慕尼黑博览集团 Messe München 瑞士思特分析仪器有限公司 CTC Analytics AG
	12:00-14:00	Lunch Seminar III : 介绍日本电子扫描电镜 JSM-7900F/ 如何制作扫描电镜观察用的截面样品 Introduction JEOL Scanning Electron Microscope JSM-7900F How to Make a Cross Section of Specimens for Observation by Scanning Electron Microscope	E1-M14	介绍日本电子扫描电镜 JSM-7900F 如何制作扫描电镜观察用的截面样品 Introduction JEOL Scanning Electron Microscope JSM-7900F How to Make a Cross Section of Specimens for Observation by Scanning Electron Microscope	慕尼黑博览集团 Messe München JEOL Ltd.
11月2日 Nov. 2th	09:30-16:10	2018 中国国际食品产业发展论坛暨上海中欧国际食品安全研讨会 2018 China International Food Industry Development Forum/ Shanghai Sino-EU International Forum on Food Safety	E2-M17	新时代中国食品产业创新与发展 Innovation and Development of China's Food Industry in New Age	上海市食品学会 Shanghai Society of Food Science 上海食品安全工作联合会 Shanghai Food Safety Federation 慕尼黑博览集团 Messe München
	10:00-11:50	中国国际实验室规划、建设与管理大会 China Int'l Congress on Laboratory Planning, Construction and Management	E4.4672	现代化实验室的规划与建设 Modern Laboratory Planning and Construction 实验室安全与管理 Laboratory Safety and Management 智能化实验室设计与建设 Smart Laboratory Design and Construction 人与实验室和谐发展 Harmonious Developing of Man and Laboratory	慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd.

* 会议信息以当天通告为准
For most updated information, please refer to the conference schedule posted.



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第九届上海国际分析化学研讨会
The 9th Shanghai International Symposium on
Analytical Chemistry

会议时间 Time:
2018年10月31日-11月1日 Oct. 31 - Nov. 1, 2018

会议地点 Venue:
上海新国际博览中心 E1-M11/E1-M12/ E1-M13/E1-M19
Shanghai New International Expo Centre E1-M11/E1-M12/ E1-M13/E1-M19

会议主题 Theme:
分析化学——让生命更健康
Analytical Chemistry for Health Science

主办单位 Organizer:
中国化学会 Chinese Chemical Society
慕尼黑博览集团 Messe München

会议主席 Chair:
林金明 (清华大学, 中国)
Jin-Ming Lin (Tsinghua University, China)
Oliver J. Schmitz (德国杜伊斯堡-埃森大学)
Oliver J. Schmitz (University of Duisburg-Essen, Germany)

大会报告 Plenary Lectures:
赵宇亮 (中国科学院)
Yuliang Zhao (Chinese Academy of Sciences)
Emily Hilder (南澳大学)
Emily Hilder (University of South Australia)
Oliver Fiehn (加利福尼亚大学)
Oliver Fiehn (University of California)
Philip Marriott (莫纳什大学)
Philip Marriott (Monash University)

交流类型 Communication Type:
大会特邀报告 Plenary Lectures
分会邀请报告 Invited Lectures
口头报告 Oral Lecture
墙报展讲 Poster

会议语言 Language:
英文 English

大会日程 Conference Schedule:

10月31日 Oct. 31		
13:30-16:40	E1-M19	开幕 & 大会报告 Opening & Plenary Lectures
16:40-17:30		墙报展示 & 评选 Poster Award Selection
18:30-20:00	Holiday Inn Hotel	日立高新晚宴 & 墙报颁奖仪式 Hitachi High-Tech Dinner Party and Poster Award Giving Ceremony
11月1日 Nov. 1		
9:30-11:55	E1-M11	分会 1 新技术和新方法 Session 1 New Technology and Methods
9:30-11:55	E1-M12	分会 2 药物分析 Session 2 Drug Analysis
9:30-11:55	E1-M13	分会 3 样品制备 Session 3 Sample Preparation

13:30-16:40	E1-M11	分会 4 环境和食品领域的化学分析 Session 4 Environmental and Food Analysis
13:30-16:40	E1-M12	分会 5 分离技术和质谱分析的新发展 Session 5 New Developments in Separation Techniques and Mass Spectrometry
13:30-16:40	E1-M13	分会 6 生物标志分析 Session 6 Biomarker Analysis

2018.10.31 Wednesday 会议室 Conference Room: E1-M19

开幕式 & 大会邀请报告
Opening & Plenary Session

Chairs: Jin-Ming Lin and Oliver J. Schmitz

13:30-13:45	Welcome speeches 林金明, 清华大学 Jin-Ming Lin, Tsinghua University Oliver J. Schmitz, University of Duisburg-Essen, Germany 杜伊斯堡-埃森大学 FALK SENGGER, Managing Director, Messe München 慕尼黑博览集团董事总经理
13:45-14:25	活体内纳米材料的定量 Quantification of nanometrials in vivo 赵宇亮, 中国科学院院士, 国家纳米科学中心 Yuliang Zhao, Academician, Chinese Academy of Sciences National Center for Nanoscience and Technology, China
14:25-15:05	用于小型化分离和样品制备的多孔聚合物材料 Porous polymeric materials for miniaturised separations and sample preparation Emily Hilder, University of South Australia 南澳大学
15:05-15:20	茶歇 Tea break
15:20-16:00	高分辨率质谱与化学信息学相结合, 用于标准化, 常规的非靶向代谢组学 Integrating high resolution mass spectrometry with cheminformatics for standardized, routine non-targeted metabolomics Oliver Fiehn, University of California, USA 美国加州大学
16:00-16:40	用先进的分析技术探索天然产物的特性 Exploring natural product characterisation with advanced analytical technologies Philip Marriott, Monash University 莫纳什大学
16:40-17:30	墙报评选 Poster Award Selection
18:30-20:00	日立高新晚宴 & 墙报颁奖仪式 Hitachi high-tech dinner party and poster award giving ceremony Holiday Inn Hotel

2018.11.1 Thursday 会议室 Conference Room: E1-M11

分会 1: 新技术和新方法
Session 1: New Technology and Methods

Chairs: Qun Fang, Katsumi Uchiyama

09:30-09:55	纳米线的选择性制备及其在传感器中的应用 Position selective fabrication of nano-wire and its application to sensing device Katsumi Uchiyama, Former Vice President of Japan Society for Analytical Chemistry 前任日本分析化学学会副会长 Tokyo Metropolitan University, Japan 日本首都大学东京
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- 09:55-10:20 **热重分析与 APPI-qMS 结合用于增塑剂分析和药物控制**
Thermo gravimetry coupled to APPI-qMS for plasticizer analysis and drug control
Florian Uteschil, University of Duisburg-Essen, Germany
德国杜伊斯堡 - 埃森大学
- 10:20-10:45 **基于液滴的微流体系统的自动化纳升级分析和筛选**
Droplet-based microfluidic systems for automated nanoliter-scale analysis and screening
方群, 微量分析研究所所长, 副主编, 浙江大学
Qun Fang, Director of Institute of Microanalysis, Associate Editor of Talanta, Talanta, Zhejiang University
- 10:45-11:00 **Developing NMR methods for atomic interaction measurements in proteins**
Yao Lishan, Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences
- 11:00-11:15 **Single nanoparticle electrochemistry**
Wei Ma, East China University of Science and Technology
- 11:15-11:40 **全面的多维分离: 是否有改进空间?**
Comprehensive multidimensional separations: Is there room for improvements?
Tadeusz Gorecki, University of Waterloo, Canada
加拿大滑铁卢大学
- 11:40-11:55 **新型流控技术助力生物分析**
Bio-compatible Fluidic Components Boost Bio-UHPLC Analysis
Audrey Schrock, Senior Product Solutions Manager
IDEX Health & Science llc. 艺达思贸易(上海)有限公司

2018.11.1 Thursday 会议室 Conference Room: E1-M12

分会 2: 药物分析

Session 2: Drug Analysis

Chairs: Annika Doell, Cheng Zhi Huang

- 09:30-09:55 **药物参考标准的合成、纯化和分析**
Synthesis, purification and analysis of pharmaceutical reference standards
Jens Boertz, LGC Standards GmbH LGC 标准有限公司
- 09:55-10:20 **光致诱导等离子体暗场光散射成像分析和生物医药**
Photo-induced plasmonic dark-field light scattering imaging for analytical and biomedical pharmacy
黄承志, 西南大学
Cheng Zhi Huang, Southwest University, China
- 10:20-10:35 **Drug enantiomer differentiation using cyclodextrin sensitized separation/sensing platforms**
Yong Wang, Tianjin University
- 10:35- 10:50 **Identification of traditional chinese medicine schisandra from different places based on LF-NMR and chemometric methods**
Meijun Zhang, Dalian University of Technology
- 10:50-11:15 **使用 LC-MS 进行抗体的活体表征**
In-vivo characterization of antibodies using LC-MS
Annika Doell, AbbVie Deutschland GmbH & Co. KG
阿布威德意志股份有限公司

- 11:15-11:40 **手性等离激元阵列在蛋白质组学研究中的应用: 从蛋白质鉴定到构象监测**
Application of A Chiral Plasmonic Array to Proteome: From Protein Identification to Conformation Monitoring
魏为力, 药物分析学系主任, 重庆大学
Weili Wei, Chair of Department of Pharmaceutical Analysis, Chongqing University
- 11:40-11:55 **GCMS 基因毒性杂质分析应对策略**
GCMS Application in genotoxic impurity analysis
王阳阳, GCMS 应用工程师, 安捷伦科技(中国)有限公司
Wang Yangyang, GCMS Application Engineer, Agilent Technologies (China) Co., Ltd.

2018.11.1 Thursday 会议室 Conference Room: E1-M13

分会 3: 样品制备

Session 3: Sample Preparation

Chairs: Jianhua Wang, Janusz Pawliszyn

- 09:30-09:55 **SPME 与 MS 直接耦合: 它可以代替 LC/MS 吗?**
Direct coupling of SPME to MS: Can it replace LC/MS?
Janusz Pawliszyn, University of Waterloo, Canada
加拿大滑铁卢大学
- 09:55-10:20 **金属有机框架: 一种调整有机聚合物基整体柱性能的新方法**
Metal-organic frameworks: A new approach to tuning performance of organic polymer-based monolithic columns
Frantisek Svec, Lawrence Berkeley National Laboratory, USA
美国劳伦斯伯克利国家实验室
- 10:20-10:35 **Rapid and selective separation of sulfamethoxazole using pH responsive molecularly-imprinted magnetic polymers**
Wanzhen Xu, Jiangsu University
- 10:35-10:50 **Optimization of Sample Preparation for Total Reflection X-ray Fluorescence Spectrometry and of its Application to Aqueous Solutions Analysis**
Xinlei Zhang, Nanjing University of Aeronautics and Astronautics
- 10:50-11:15 **样品制备在食品成分抗癌活性的食品组学评估中的重要性**
The importance of sample preparation in the Foodomics evaluation of food ingredients anticancer activity
Alejandro Cifuentes, National Research Council of Spain (CSIC)
西班牙国家研究委员会 (CSIC)
- 11:15-11:40 **离子液体及其衍生物在生物大分子分离和检测中的应用**
Ionic Liquids and Their Derivatives in the Isolation and Sensing of Biomacromolecules
王建华, 副校长, 副主编, 东北大学
Jianhua Wang, Vice President, Associate Editor of Talant, Talanta, Northeastern University, China
- 11:40-11:55 **增强型脂质去除 EMR-Lipid 在食品分析前处理中的应用**
Application of Enhanced Matrix Removal-Lipid Cartridges for Sample Preparation in Food Analysis
杨霞, 安捷伦科技(中国)有限公司
Xia Yang, Agilent Technologies (China) Co., Ltd.

2018.11.1 Thursday 会议室 Conference Room: E1-M11

分会 4: 环境和食品领域的化学分析

Session 4: Environmental and Food Analysis

Chairs: Tsuyoshi Minami, Erich Leitner

- 13:30-13:45 **应用全自动固相萃取技术进行食品和环境样品分析工作**
Guide to Solid Phase Extraction automation in food and environmental analysis
Ronan Herry & Magali Gaillard, Gilson
吉而逊实验仪器(上海)有限公司
- 13:45-14:10 **食品中矿物油残留物的来源和组成**
Mineral Oil Residues in Food - Occurrence, Sources and Composition
Erich Leitner, Graz University of Technology, Austria
奥地利格拉茨技术大学
- 14:10-14:35 **利用太赫兹光谱技术对 ZIF-8 气体吸附的结构和动力学分析**
Structural and Kinetic Analysis for Gas Adsorption onto ZIF-8 using Terahertz Spectroscopy
Nobuaki Ogawa, Executive Director & Chief Vice President
Akita University, Japan 常务副校长, 日本秋田大学
- 14:35-14:50 **Development of the high-sensitive monitoring method of arsenic by chemiluminescence**
Xiangnan Dou, Tsinghua University
- 14:50-15:10 **Electrical detection of biogenic amines by organic transistors**
Tsuyoshi Minami, Institute of Industrial Science, The University of Tokyo
- 15:10-15:20 **茶歇 Tea Break**
- Chairs: Elena Ibañez, Jörg Feldmann
- 15:20-15:45 **元素形态中的非金属十年: 使用 HPLC-ICPMS / ESI-qTOFMS 进行非靶向分析**
The Decade of the non-metals in elemental speciation: Non-targeted analysis using HPLC-ICPMS/ESI-qTOFMS
Jörg Feldmann, University of Aberdeen, United Kingdom
英国阿伯丁大学
- 15:45-16:10 **蛋白质纳米胶囊及封装物的制备、表征和应用**
Preparation, characterization, and application of a protein nanocapsule, encapsulin
Masafumi Odaka, Akita University, Japan 日本秋田大学
- 16:10-16:25 **Portable and sensitive gold immunoassay device for on-site rapid detection of clenbuterol hydrochloride**
Qi Peng, Fuzhou University
- 16:25-16:50 **绿色食品适用于具有抗增殖活性的生物活性化合物的分离和纯化**
Green Foodomics applied to the isolation and purification of bioactive compounds with antiproliferative activity
Elena Ibañez, Institute of Food Science Research, CSIC
西班牙国家研究委员会食品科学研究所

2018.11.1 Thursday 会议室 Conference Room: E1-M12

分会 5: 分离技术和质谱分析的新发展

Session 5: New developments in separation techniques and mass spectrometry

Chairs: Huiru Tang, Oliver J. Schmitz

- 13:30-13:45 **HPLC-TOC 联用研究环境市政水中的有机分子尺寸组成: SEC TOC 检测器**
HPLC-TOC Combination to Study Organic Molecular Size Composition in Municipal Water: SEC TOC Sensor
谷雪蕾, 亚太区应用专员, 苏伊士水务技术(上海)有限公司
Paulina Gu, APAC Application Specialist, SUEZ Water Technologies (Shanghai) Co., Ltd.



- 13:45-14:10 **用于脂质体或蛋白质组等复杂样品分析**
μLC+LC-IM-qTOF-MS for complex samples such as lipidome or proteome
Oliver J. Schmitz, University of Duisburg-Essen, Germany
德国杜伊斯堡 - 埃森大学
- 14:10-14:35 **用于代谢组学的定量工具**
Quantitative Tools for metabolomics
唐惠儒, 复旦大学
Huiru Tang, Fudan University, China
- 14:35-14:50 **Biomolecule-responsive polymer: From recognition to applications in post-translational modification proteomics**
Guangyan Qing, Dalian Institute of Chemical Physics, Chinese Academy of Sciences
- 14:50-15:05 **Determination of triglycerides in Schisandra chinensis fructus oil based on GC-MS, LC-MS and FT-ICR-MS**
Can Gong, Shanghai Institute of Technology
- 15:05-15:20 **茶歇 Tea Break**
- Chairs: Myeong Hee Moon, Dietmar Knopp
- 15:20-15:45 **植物衍生的高仿生抗微囊藻毒素抗体用于生物分析应用**
Plant-derived high affinity anti-microcystin antibody for bioanalytical applications
Dietmar Knopp, Technical University Munich, Germany
德国慕尼黑理工大学
- 15:45-16:10 **通过纳米流 UPLC-ESI-MS/MS 进行脂质组学分析的发展**
Advances in lipidomic analysis with nanoflow UPLC-ESI-MS/MS
Myeong Hee Moon, President, Korean Society of Mass Spectrometry (KSMS), Yonsei University, South Korea
韩国质谱学会会长 (KSMS), 韩国延世大学
- 16:10-16:25 **Graphene Oxide Aggregate-assisted LDI-MS for the Direct Analysis of Triacylglycerol in Complex Biological Samples**
Kai Liang, Institute of Biophysics, Chinese Academy of Sciences
- 16:25-16:40 **Structure of Insoluble Coke in SAPO-34: Evidence From GC-MS Analysis of Soluble Coke**
Mingjian Luo, College of Chemistry & Chemical Engineering, Northeast Petroleum University

2018.11.1 Thursday 会议室 Conference Room: E1-M13

分会 6: 生物标志分析

Session 6: Biomarker analysis

Chairs: Peter Q. Tranchida, Andrej Shevchenko

- 13:45-14:10 **健康人体血浆的脂质体高分辨率研究**
Healthy Human Plasma Lipidome: Study by High-Resolution Shotgun Mass Spectrometry
Andrej Shevchenko, MPI of Molecular Cell Biology and Genetics, Germany
马克斯普朗克分子细胞生物学和遗传学研究所
- 14:10-14:35 **利用专用定性/定量软件与多维色谱 (GCxGC 和 LCxLC) 三重四级杆质谱联用进行复杂样品分析**
Comprehensive Chromatography (GCxGC and LCxLC) coupled to tq-Mass Spectrometry for Complex Samples Analysis with a Dedicated Quali/quantitative Software
Peter Q. Tranchida, University of Messina, Italy
意大利墨西拿大学



14:35-14:50	Quantitative point-of-care testing based on the photothermal effect of nanoparticles using a thermometer as readout Yingzhou Tao, Fuzhou University
14:50-15:05	The paper-based chemiluminescence immunodevice with different washing and immobilization technique Wei Liu, Shaanxi Normal University
15:05-15:20	茶歇 Tea Break
Chairs: Carlo Morasso, Xingyu Jiang	
15:20-15:45	基于微流体的生物分析 Microfluidics-based bio-analysis 蒋兴宇, 副主编, 国家纳米科学中心, 中国科学院大学 Xingyu Jiang, Associate Editor of Nanoscale Nanoscale, National Center for Nanoscience and Technology, China, University of Chinese Academy of Sciences
15:45-16:10	用于表征外来体和其他细胞外囊泡的光学光谱 Optical spectroscopies for the characterization of exosomes and other extracellular vesicles Carlo Morasso, Nanomedicine and Molecular Imaging Lab, Italy 意大利纳米医学和分子成像实验室
16:10-16:25	Investigate a novel technique based on PG for early screening of depression markers Fangdi Hu, Lanzhou University
16:25-16:40	Peptoid nanostructures for serum-based early diagnosis of Alzheimer's Disease Ling Zhu, National Center for Nanoscience and Technology

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* 会议日程以当天通告为准
For most updated information, please refer to the conference schedule posted.

2018 中国国际食品产业发展论坛暨 2018 上海 中欧食品安全研讨会 2018 China International Food Industry Development Forum/Shanghai Sino-EU International Forum on Food Safety

会议时间 Time:
2018 年 10 月 31-11 月 2 日 Oct. 31 - Nov. 02, 2018

会议地点 Venue:
上海新国际博览中心 Shanghai New International Expo Centre E2-M17/M18,

会议主题 Topic:
新时代中国食品产业创新与发展
Innovation and development of China's food industry in new age

主办单位 Organizer:
上海市食品学会 Shanghai Society of Food Science
上海食品安全工作联合会 Shanghai Food Safety Federation
慕尼黑博览集团 Messe München

协办单位 Co-Organizer:
上海市食品协会 Shanghai Food Association

支持单位 Supporter:
上海海洋大学 Shanghai Ocean University
上海市食品研究所 Shanghai Food Research Institute
德国联邦风险评估研究所 Bundesinstitut für Risikobewertung, BfR

大会日程 Conference Schedule:

2018.11.1 Thursday 会议室 Conference Room: E2-M17/M18

开幕式及大会报告
Opening and Plenary Lectures

主持 Chair:
王锡昌, 上海市食品学会副理事长兼秘书长
Wang Xichang, Vice Chairman & Secretary-general of Shanghai Society of Food Science

新时代中国食品产业创新与发展 (政策法规解读、食品与大健康、食品安全趋势)
Innovation and development of China's food safety in new age

08:30-09:30	听众注册报到 Registration
09:30-09:35	开幕致辞 Dr. Martin Lechner 慕尼黑展览集团 新科技事业部执行董事 Opening speech by Dr. Martin Lechner, Executive Director of Business Unit New Technologies, Messe München
09:35-09:55	开幕致辞 + 解读《上海市食品工业发展三年行动计划 (2018-2020)》 Opening Speech+Interpretation of Shanghai food industry development three-year action plan (2018-2020) 潘迎捷, 上海市食品学会, 理事长 Pan Yingjie, Chairman of Shanghai Society of Food, Science
09:55-10:35	中国食品产业的发展特征与健康转型 Development characteristics and healthy transformation of China's food industry 孟素荷, 中国食品科学技术学会 理事长 Meng Suhe, Chairman of Chinese Institute of Food Science and Technology
10:35-10:55	2018 上海市食品创新创意大赛颁奖 2018 Shanghai food innovation and creativity competition awards
10:55-11:05	“冷藏标签”揭牌仪式 "Refrigeration Label" Inauguration Ceremony
11:05-11:20	茶歇 Tea Break
11:20-11:40	上海市食品安全现状与对策 The current situation and counterplan of food safety in Shanghai 顾振华, 上海市食品安全工作联合会, 会长 Gu Zhenhua, Chairman of Shanghai Food Safety Federation

11:40-12:00 从食品废弃物中获取环保成分来改善食品安全——新的绿色溶剂和工艺
Improving food safety by obtaining eco-friendly ingredients from food wastes. New green solvents and processes
Elena Ibañez Ezequiel 教授 德国食品科学研究所 (CIAL-CSIC) 生物活性和食品分析部门, 食品组学实验室
Prof. Dr. Elena Ibañez Ezequiel, Foodomics Laboratory, Bioactivity and Food Analysis Department
Institute of Food Science Research (CIAL-CSIC) Germany

2018.11.1 Thursday 会议室 Conference Room: E2-M17

分论坛一: 大健康产业下的食品营养与功能食品创新 E2-M17
Session I: Innovation of Food Nutrition and Functional Food under Big Health Industry

主持 Chair:
姜培珍, 上海市食品安全工作联合会秘书长
Jiang Peizhen, Secretary-general of Shanghai Food Safety Federation

13:30-14:00 解读国民营养计划 (2017-2030 年) 健康和特殊膳食食品法规标准 (拟)
Interpretation of national nutrition program (2017-2030) health and special dietary food regulatory standards (Undermined)
韩军花, 国家食品安全风险评估中心研究员, 应用营养一室主任
Han Junhua, Applied Nutrition 1 Department Director & Researcher of China National Center for Food Safety Risk Assessment

14:00-14:20 安全与健康并行, 铸就李锦记 130 年辉煌
Safety and health go hand in hand, accomplishing Lee Kum Kee 130 years resplendence
孙胜枚, 李锦记 (新会) 食品有限公司, 法规与标准总监
Sun Shengmei, Director of Regulations and Standards, Lee Kum Kee (Xinhui) Food Co., Ltd.

14:20-14:40 乳制品创新研发在改善亚健康状态领域的应用实践
Application of innovative dairy research and development in the field of improving sub-health status
孙健, 蒙牛集团, 低温事业部低温产品研发中心, 总经理
Sun Jian, General Manager of Cryogenic Product R&D Center of Cryogenic Division, China Mengniu Dairy Company Limited.

14:40-15:00 茶歇 Tea Break

15:00-15:20 益生菌: 挑战与机遇
Probiotics: challenges and opportunities
郭晓奎, 上海交通大学, 基础医学院副院长
Guo Xiaokui, Vice President of Basic Medical College, Shanghai Jiaotong University

15:20-15:40 味全乳双歧杆菌 HN-345™ 助力全民肠道亚健康
Weichuan bifidobacterium HN-345™ helps to promote intestinal sub-health in all people
徐志安, 味全集团, 中央研究所
Xu Zhian, Central Research Institute of Weichuan Group

15:40-16:00 吃动平衡: 活出健康人生
Eat and exercise balance: live a healthy life
陆大江, 上海体育学院, 运动科学学院, 教授
Lu Dajiang, Professor, Movement Science College of Shanghai University of Sport



2018.11.1 Thursday 会议室 Conference Room: E2-M18

分论坛二: 中欧食品安全检测与控制技术新进展 (上)
Session II: Sino-EU New Development in Food Safety Detection and Control Technology (一)

主持 Chair:
杜仲镛, 上海市食品学会副秘书长
Du Zhongyong Vice Secretary-general of Shanghai Society of Food Science

13:30-14:00 进出口食品的安全风险控制
Safety and risk control of import and export food
何宇平, 上海海关食品检验中心主任
He Yuping, Director of Food Inspection Center, Shanghai Customs District

14:00-14:20 食品实验室的高效运行之道
The effective operation of the food laboratory
王海鉴, 安捷伦科技 (中国) 有限公司, 市场经理
Wang Haijian, Agilent Technologies (China) Co., Ltd. Marketing Manager

14:20-14:40 精益管理在食品检测实验室的应用
Lean production for food lab managing
戴建华, 通标标准技术服务 (上海) 有限公司, 中国区农产食品部实验室经理
Daisy Dai, SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. AF Lab Manager, China

14:40-15:00 茶歇 Tea Break

15:00-15:20 酸性电解水的杀菌保鲜研究
Researching on germicidal preservation of acidic electrolytic water
赵勇, 上海海洋大学, 食品学院副院长
Zhao Yong, College of Food Sciences & Technology, Shanghai Ocean University, Vice President

15:20-15:40 待定 TBD

15:40-16:00 他山之石 - 谈欧盟食品中矿物油风险评估之矿物油的 MOSH/MOAH 在线全自动二维色谱分析检测
Evaluation of mineral oil risk in food - Experience of determination of MOSH/MOAH using online LCGC method in European labs
张鸿, 上海仪真分析仪器有限公司, 产品经理
Zhang Hong, Esensing Analytical Technology Co., Ltd. Product Manager

2018.11.2 Friday 会议室 Conference Room: E2-M17

分论坛三: 食品工厂卫生安全和体系标准
Session III: Food factory Hygienic safety and system standards

主持 Chair:
周小理, 上海市食品学会副秘书长
Zhou Xiaoli, Vice Secretary-general of Shanghai Society of Food Science

09:30-10:00 食品生产过程中风险控制
Risk control in food production
巢强国, 上海市食品药品监督管理局食品生产监管处处长
Chao Guoqiang, Director of Food Production Supervision, Shanghai Municipal Food and Drug Administration



10:00-10:20	全球经济新格局下供应链管理的风险 Risk of supply chain management in new global economic pattern 张锡琪, 劳氏质量认证, 中国区战略发展总监 Zhang Xiqi, Director of Strategic Development in China, Lloyd's Register Quality Assurance (Shanghai) Co., Ltd.
10:20-10:40	食品工厂微生物控制方案 Microbiological control scheme in food factory 张欣, 艺康集团, 高级食品安全专家 Zhang Xin, Senior Food Safety Expert, Ecolab (China) Investment Co., Ltd.
10:40-11:00	茶歇 Tea Break
11:00-11:30	《餐饮服务食品安全操作规范》的实践 Practice of 《food safety operation standard for catering service》 沈伟涛, 上海市食品药品监督管理局食品餐饮监管处处长 Shen Weitao, Director of Food and Beverage Supervision, Shanghai Municipal Food and Drug Administration
11:30-11:50	体验式工厂, 如何保障食品安全? How to ensure food safety in experiential factories? 杨琦, 星巴克企业管理(中国)有限公司, 研发及质量保障总监 Yang Qi, Starbucks (China) Company Limited, Director of R&D and Quality Assurance

2018.11.2 Friday 会议室 Conference Room: E2-M17

分论坛四: 中欧食品安全检测与控制技术新进展(下)
Session IV: Sino-EU new development in Food Safety detection and control technology (二)

主持 Chair:
马志英, 上海市食品学会食品安全专委会主任委员
Ma Zhiying, Chairman of the Committee on Food Safety, Shanghai Society of Food Science

09:30-10:00	食品中致病微生物污染、评估及控制 Contamination, assessment and control of pathogenic microorganism in food 刘弘, 上海市疾病预防控制中心, 食品安全部门负责人、主任医师 Liu Hong, Shanghai Municipal Center For Disease Control & Prevention, Responsible Person, Chief Physician of Food Safety Department
10:00-10:20	用于测定食品中的农残和多环芳烃以及检测食品包装中污染物迁移的高效自动化解决方案 Highly efficient automated solutions for determination of pesticide residues and PAHs in foods as well as contaminant migration from food packaging 聂芸芸, GERSTEL GmbH & Co. KG, 产品经理 Yunyun Nie, GERSTEL GmbH & Co. KG, Product manger
10:20-10:50	特殊食品的检测方法优化 Optimization of testing methods for special foods 周泽琳, 上海市质量监督检验技术研究院食品化妆品质量检验所副所长, 教授级高级工程师 Zhou Zelin, Shanghai Institute of Quality Inspection and Technical Research, Deputy Director of Food and Cosmetic Quality Inspection Institute, Professor-level Senior Engineer

10:50-11:10	茶歇
11:10-11:30	基于质谱技术的食品过敏原检测方法研究 Study on food allergen detection based on mass spectrometry 邓晓军, 上海海关食品中心理化试验室主任 Deng Xiaojun, Director of Physical and Chemical Laboratory of Food Center, Shanghai Customs District
11:30-12:00	快速农(兽)药残留萃取新技术分享 Fast pesticide/veterinary drug extraction new technology sharing 林裕家, 北京普立泰科仪器有限公司, 产品经理 Lin YuChia, Polytech Instrument Ltd, Product manger



* 会议日程以当天通告为准
For most updated information, please refer to the conference schedule posted.

中国国际实验室规划、建设与管理大会 China Int'l Congress on Laboratory Planning, Construction and Management

会议时间 Time:
2018年10月31日-11月2日 Oct. 31 - Nov. 02, 2018

会议地点 Venue:
上海新国际博览中心 E4 馆 E4.4672/E4.4100
E4.4672/ E4.4100, Hall E4, Shanghai New International ExpoCentre

主办单位 Organizer:
慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd.

协办单位 Co-organizers:
美国科学仪器设备实验室家具国际协会
Scientific Equipment & Furniture Association (SEFA)

论坛区承建方 LIVE LAB Building Contractor:
山东沃柏斯实验室工程有限公司
Shandong Vanboss Laboratory Engineering Co.,Ltd.

大会日程 Conference Schedule:

2018.10.31 Wednesday 会议地点 Venue: E4.4672

Live Lab—多元模块化实验室 Pluralistic modular laboratory

大会报告 Plenary Session:
现代科研实验建筑的设计与规划
Design and Planning of Modern Scientific Research Building
智慧实验室建设与发展
Smart Laboratory Construction and Development

09:45-10:00 **开幕致辞 Opening Speech**



10:00-10:30	检测机构政策导向及数据分析 Policy Guidance and Data Analysis for Testing Agencies 国家市场监督管理总局认可与检验检测监管司领导
10:30-11:00	超级实验室: 智慧实验室设计与建设 Superlab: Smart Lab Design & Construction Leslie Ashor, Woods Bagot 建筑师事务所实验室设计总监
11:00-11:30	科研建筑标准——实验室标准化质量管理 Standards on Research Building - Laboratory Standardization Quality Management 李坤威, 中国标准化研究院留英博士后、副研究员
11:30-12:00	从瑞士的角度规划实验室 Laboratory planning from a Swiss perspective Dario Tonelli, Laborplaner Tonelli AG 总裁 Benjamin Brennecke, Laborplaner Tonelli AG 项目经理
12:00-13:00	多元化实验室的装配式建设及可持续应用技术 Prefabricated construction and sustainable application for pluralistic laboratories 陈强, 山东沃柏斯实验室工程有限公司产品工程师 李清慧, 山东沃柏斯实验室工程有限公司产品工程师
13:00-13:30	大数据背景下的现代化实验室建造趋势与挑战 Laboratory changes in the era of big data 侯海峰, 新纶科技高级副总裁, 上海瀚广实验室总裁、首席工程师
13:30-14:00	智能实验室如何提高实验室工作效率 How intelligent lab improve lab productivities? 张之旭, 安捷伦科技(中国)有限公司大中华区实验室信息产品经理
14:00-14:30	实验室一站式解决方案 OneSource Lab Services 许艳, 珀金埃尔默企业管理(上海)有限公司销售经理
14:30-15:00	智能实验室的新建与改建整体解决方案 ThermoFisher
15:00-15:30	多元化实验室的装配式建设及可持续应用技术——生物医药篇 Prefabricated construction and sustainable application for pluralistic laboratories - Chapter of Biomedicine Industry 陈强, 山东沃柏斯实验室工程有限公司产品工程师 李清慧, 山东沃柏斯实验室工程有限公司产品工程师
15:30-16:00	茶歇 Tea Break
16:00-17:30	analytica China CEO Summit
17:30-19:00	实验室之夜 Long Night of Lab

2018.11.1 Thursday 会议地点 Venue: E4.4672

Live Lab—多元模块化实验室 Pluralistic modular laboratory

大会报告 Plenary Session:
智慧实验室建设与发展 Smart Laboratory Construction and Development
实验室安全与管理 Laboratory Safety and Management

09:30-10:00	打造可持续性发展的实验室 Build a Sustainable Developing Laboratory 刘东, 同济大学教授
10:00-10:30	国家重点实验室建设、管理、运行与创新驱动发展战略 State Key Laboratory Construction, Management, Operation and Innovation-driven Development Strategies 张树川, 中国农业大学模式动物重大设施建设办公室主任、农业生物技术国家重点实验室副主任
10:30-11:00	科研建筑综合体的建设, 从科学家到创新型科研建筑 From the scientist to an innovative research building - a complex service-design approach Dario Tonelli, Laborplaner Tonelli AG 总裁
11:00-11:30	医疗智能化安全实验室的环境设施建设与提升 刘志朋, 天津市龙川净化工程有限公司设计总监
11:30-12:00	未来可持续实验室设计浅析 Future Sustainable Laboratory Design Concept 林轶凡, 德国 WALDNER 实验室系统公司副总裁
12:00-13:00	多元化实验室的装配式建设及可持续应用技术——安全防范篇 Prefabricated construction and sustainable application for pluralistic laboratories - Chapter of Safety Protection 陈强, 山东沃柏斯实验室工程有限公司产品工程师 李清慧, 山东沃柏斯实验室工程有限公司产品工程师
13:30-14:30	实验室安全讲座——21世纪实验室中有害物质的储存 Storage of hazardous materials in 21st century laboratories Sven Kretschmer, asecos GmbH 亚太地区销售经理 Sven Kretschmer, REGIONAL SALES MANAGER ASIA-PACIFIC, asecos GmbH Ruby Hu, asecos GmbH 中国市场销售经理
14:30-15:00	实验室安全管理和风险防控 LABORATORY SAFETY MANAGEMENT AND RISK PREVENTION & CONTROL 黄建宇, 惠诺德(北京)科技有限公司总经理
15:00-15:30	全面提升实验室的工作效率及法规依从性(拟) 沃特世科技(上海)有限公司
15:30-16:00	绿色智能的实验室建设与管理 SGS 通标标准技术服务有限公司
16:00-16:30	国家海洋设备质检中心创新平台及质量保障服务体系 The Innovation Platform and Quality Assurance Service System of the National Quality Inspection Center for Marine Equipment 李传增, 海检集团有限公司副总工 于青, 海检检测有限公司副总经理
16:30-17:00	多元化实验室的装配式建设及可持续应用技术——石油化工篇 Prefabricated construction and sustainable application for pluralistic laboratories——Chapter of Petrochemical Industry 陈强, 山东沃柏斯实验室工程有限公司产品工程师 李清慧, 山东沃柏斯实验室工程有限公司产品工程师

2018.11.2 Friday 会议地点 Venue: E4.4672

Live Lab—多元模块化实验室 Pluralistic modular laboratory

**大会报告 Plenary Session:**

实验室安全与管理 Laboratory Safety and Management

10:00-11:00	21 世纪实验室中有害物质的储存 Storage of hazardous materials in 21st century laboratories Ruby Hu, asecos GmbH 中国市场销售经理 Sven Kretschmer, asecos GmbH 亚太地区销售经理
11:00-11:30	安全、健康、环保的实验室设计 丁丽, 德国施耐德中国区技术经理
11:30-11:50	尾声及致谢

2018.10.31 Wednesday 会议地点 Venue: E4.4100

Live Lab—制药实验室 Pharmaceutical &

Live Lab—食品安全实验室 Food Safety

分会报告 Session Lectures:

10:20-11:00	SEFA 的活动和项目 SEFA Activities and Events David Sutton, SEFA Exec Director
11:00-11:40	制药实验室设计 Pharmaceutical Live Lab Design DarioTonelli, LaborPlanner Tonelli AG
11:40-12:00	制药实验室——家具和设备 Pharmaceutical Labs – Furniture and Equipment Waldner
14:00-14:40	食品测试实验室设计 Food Testing Live Lab Design Leslie Ashor, Woods Bagot
14:40-15:00	食品测试实验室——家具和设备 Food Testing Labs – Furniture and Equipment Allen Mao, Ultralabs
15:00-16:00	Panel Discussion

2018.11.1 Thursday 会议地点 Venue: E4.4100

Live Lab—制药实验室 Pharmaceutical &

Live Lab—食品安全实验室 Food Safety

分会报告 Session Lectures:

09:30-09:50	SEFA-SGS 战略合作介绍 SEFA-SGS Alliance David Sutton/Donna Gu
09:50-10:20	实验室家具行业市场趋势解读 Lab Furniture Industry Market Trends David Sutton, SEFA Exec Director
10:20-11:10	你的排风柜阻力实验室更安全了吗? Labs are Dangerous, Are Your Fume Hoods Making Them Safer? Chip Albright, Creative Solutions

11:10-11:40	SEFA 8 & SEFA 10 实验室级别家具测试要求 SEFA 8 & SEFA 10 Lab Grade Furniture Systems and Testing Jack Xu, SGS
13:30-14:20	实验室排风柜性能测试的中欧美标准对比分析 Comparison of European and American Standards for Performance Testing of Exhaust Air Cabinets in Laboratory Professor Liudong, Tongji University
14:20-15:10	关于那些排风柜中你可能不知道的事情 Things You Probably didn't Know about Fume Hoods. Chip Albright, Creative Solutions
15:10-16:00	实验室家具和装备化学测试要求 Lab Furniture and Equipment Chemical Testing Requirements Albert Li, SGS



* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.

2018LSAC 生命科技论坛

2018 LSAC Life Science & Biotech Forum

会议时间 Time:

2018 年 11 月 1 日 Nov. 1, 2018

会议地点 Venue:

上海新国际博览中心 Shanghai New International Expo Centre E1-M16

主办单位 Organizer:

生物谷 www.bioon.com

慕尼黑展览 (上海) 有限公司 Messe Muenchen Shanghai Co., Ltd.

会议主题 Topic:

高通量测序技术与应用

High-throughput sequencing and application

会议内容 Agenda:

政策方向	国内外基因测序政策发展趋势 基因检测市场标准与规范性 国内基因测序监管政策
新技术发展	高通量测序平台及方法比较 (RNA 测序、全基因组测序、深度测序、miRNA 测序、DNA 测序、靶向测序、深度测序、重测序等) 单细胞测序、单分子测序技术及其应用 高通量测序信息分析解读、数据挖掘
应用热点领域	高通量测序与液体活检、癌症筛查 基于高通量测序的健康管理 高通量测序个性化医学和临床分子诊断
未来发展趋势	全球高通量测序市场发展及趋势 高通量测序生物信息学解决方案

大会日程 Conference Schedule:**2018.11.1 Thursday 会议室 Conference Room: E1-M16****高通量测序技术与应用****Technology and application of high throughput**

09:00-09:30	来宾入场
09:30-09:40	主办方致辞
09:40-10:20	高通量组学技术与表观遗传分析 王德韬, 上海伯豪生物技术有限公司
10:20-11:00	高通量测序建库技术与应用 杨毅, 纽英伦生物技术 (北京) 有限公司运营 & 技术总监
11:00-11:40	高通量测序技术在单细胞组学分析与应用 黄健, 上海交通大学系统生物医学研究院
11:40-14:00	午餐 & 午休
14:00-14:40	New Developments in NGS sample Quality Control – from FFPE RNA to cell-free DNA Rainer Nitsche 安捷伦科技 (中国) 有限公司生物分子分析事业部全球产品经理
14:40-15:00	基于 CTC 的单细胞测序数据分享及应用展望 成璐, 格诺生物科技 (中国) 有限公司首席医学官
15:00-15:40	中国基因数据与决策网络 李奇, 上海其明信息技术有限公司 CEO
15:40-16:20	CTC 液体活检与伴随诊断一体化临床应用进展 元立峰, 无锡纳奥生物医药有限公司董事长
16:20-16:40	自由交流与讨论

赞助商 Sponsor: Agilent

* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.

食品安全快检技术与创新发展论坛

The forum on Food Safety Rapid Detection Technology and Innovation Development

会议时间 Time:

2018 年 11 月 1 日下午 Nov. 1, 2018, Afternoon

会议地点 Venue:E3 馆二楼 M23 会议室 Room M23 (2nd floor) in Hall E3
上海新国际博览中心 Shanghai New International Expo Centre**主办单位 Organizer:**

北京科学仪器装备协作服务中心

Beijing Associated & Service Center of Scientific Instrument & Equipment

首都科技条件平台检测与认证领域中心

Testing and Certification Centre of Capital Science & Technology

Infrastructure

慕尼黑展览 (上海) 有限公司

Messe Muenchen Shanghai Co., Ltd.

**协办单位:**

首都科技条件平台北京师范大学研发实验服务基地

BNU Experimental Base for Research and Development

首都科技条件平台清华大学研发实验服务基地

Tsinghua University Development and Experiment Service Base

支持单位 Partners:

诺枢信息科技 (上海) 有限公司

ProServ Information Technologies

(Shanghai) Co. Ltd.

北京智云达科技有限公司

Beijing Zhiyunda Technology Co., Ltd.

**主题 Topic:**

1. 中国食品安全现状 food safety in nowadays China

2. 快检技术 Raid detection technology

3. 食品安全快检创新 Innovation

摘要 Abstract

始于 2012 年, 首都科技条件平台检测与认证领域中心与慕尼黑上海分析生化展共同致力于推动快检技术的发展, 从第一届的移动检测车、第二届快检技术应用、第三届基于实验室技术推动的研讨, 到第四届我们将目光投向食品安全领域内的技术和模式创新。

本届论坛将邀请行业专家, 从三个方向 – 中国食品安全现状, 快检技术创新突破和中国食品安全快检模式创新, 做出分享和解读。

中国的食品安全之路任重道远, 技术是不可或缺的手段, 但仅有技术还不足以遏制并完善监管体系, 软环境比如大众的意识可能需要一两代人的时间和教育, 我们在本次论坛上邀请北京海关、清华大学、北京农业质量标准与检测技术研究中心、北京师范大学、北京智云达科技有限公司, 听听他们在模式创新上的实践。

Since 2012, the Testing & Certification Center of Capital Science & Technology Infrastructure cooperated with Messe Muenchen Shanghai Analytica China to promote rapid detection, from the 1st moving testing vehicles, the 2nd the application of rapid detection, the 3rd seminar of proceeding technologies on laboratory basis, to 4th focus on the technologies improvement and innovation models in food safety area. The experts will be invited to this forum to share 3 topics, the status of China food safety, rapid detection innovation and China food safety rapid detection model innovation.

There is a long way for China food safety, the technology is the key measurement to improve it. However, only technology is not enough to optimize the supervision system. The soft environment such as the public consciousness may need one or two generations of education. Beijing Zhiyunda Technology Co., Ltd. will be invited to this forum to share the model innovation which has implemented.

大会日程 Conference Schedule:

时间	主题	演讲人
13:30-14:00	论坛签到	
14:00-14:05	主持人介绍参会人员及嘉宾	
14:05-14:20	北京科学仪器装备协作服务中心主任孙月琴致辞	
14:20-14:50	国产检测设备验评助力便携式检测设备的质量提升	赵靖敏, 北京海关
14:50-15:20	基于微流控芯片的食品安全快速检测技术研究进展	梁琼麟, 清华大学副教授、博士生导师



15:20-15:50	污染区农作物重金属含量光谱学定量估算方法	屈永华, 北京师范大学遥感科学与应用研究院副教授
15:50-16:00	免疫检测技术在水产品行业中的应用	钱瑞, 北京智云达科技股份有限公司工程师, 资深产品经理
16:00-16:30	生物传感技术在食品安全检测中的应用	潘立刚, 北京农业质量标准与检测技术研究中心研究室主任

* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.

2018 环境监测与分析技术研讨会

会议时间 Time:

2018 年 11 月 1 日 Nov. 1, 2018

会议地点 Venue:

上海新国际博览中心 Shanghai New International Expo Centre E3-M24

主办单位 Organizer:

《实验与分析》杂志 LaborPraxis China

弗戈工业传媒 Vogel Business Media

慕尼黑展览 (上海) 有限公司 Messe Muenchen Shanghai Co., Ltd.

会议议题:

环境监测与分析技术

Environmental Monitoring and Analysis Technology

大会日程 Conference Schedule:

09:00-09:10	致辞
09:10-10:00	当前环境监测面临的形势与环境监测的技术发展方向 王向明, 上海市环境监测中心, 总工程师 / 教授级高工
10:00-10:30	环境中土壤有机样品前处理技术应用 迟大民, 北京莱伯泰科仪器股份有限公司, 中国区销售经理 / 产品经理
10:30-10:40	休息
10:40-11:10	环境空气 PM2.5 气溶胶离子在线监测解决方案介绍 胡忠阳, 赛默飞世尔科技 (中国) 有限公司, 产品市场经理
11:10-12:00	饮用水水源水质分析 (109 项) 标准及解决方案
12:00-13:30	午餐 & 参观展会
13:30-14:10	环境中新型有机污染物检测标准及检测方案 周守毅, 上海市环境监测中心, 工程师
14:10-14:40	基于 LC-MSMS 环境中有机污染物的分析 SCIEX 刘宏伟, 上海爱博才思分析仪器贸易有限公司, 市场发展经理
14:40-14:50	休息
14:50-15:10	保护臭氧层, 我们在行动 - ODS 实验室和分析用途管理的技术现状分析 王青, 全国化学试剂信息总站 / 北京国化精试咨询有限公司, 项目调查员
15:10-16:00	城市中三废检测标准及方法

赞助商 Sponsor:



* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.

精准医学: 从组学技术到精准医学 Precision Medicine: From Multi-Omics to Precision Medicine

会议时间 Time:

2018 年 10 月 31 日 Oct. 31, 2018

会议地点 Venue:

上海新国际博览中心

Shanghai New International Expo Centre Hall E2-M18

主办单位 Orgnizer:

上海生物医药行业协会 Shanghai Bio Pharmaceuticals Industry

上海科学技术协会 Shanghai Association for Science & Technology

上海伯豪生物技术有限公司 Shanghai Biotechnology Corporation

慕尼黑展览 (上海) 有限公司 Messe Muenchen Shanghai Co., Ltd.

主题 Topic:

从组学技术到精准医学 From Multi-Omics to Precision Medicine

大会日程 Conference Schedule:

09:30-10:00	精准检测——精准医学的基础 Accurate detection is the foundation of precision medicine 肖华胜 博士, 伯豪生物首席执行官, 首席科学家 Dr. Xiao Huasheng, ShangHai Biotechnology Corporation CEO Chief Scientist
10:00-10:30	单细胞测序分析及在肿瘤研究中应用 Single-cell sequencing analysis and its application in tumor research 韩泽广, 教授, 上海交通大学系统生物医学研究院常务副院长 Han Zeguag, Professor, Executive Vice President of Shanghai Jiao Tong University
10:30-11:00	Single-Cell RNA-Sequencing 李昌林, 副研究员, 张江实验室脑与智能科技研究院 Li Changlin, Associate Researcher, Zhang Jiang Laboratory Brain and Intelligent Technology Research Institute
11:00-11:30	当代肿瘤精准分型的进展与思考 Recent progress and deep thoughts of the precise tumor molecular subtyping 张绪超, 教授, 广东省人民医院, 广东省肺癌研究所所长 Zhang Xuchao, Professor, Director of Guangdong Lung Cancer Institute, Guangdong People's Hospital
11:30-12:00	肿瘤特征性 DNA 甲基化检测及在液体活检中应用 Tumor-specific DNA methylation detection and its application in liquid biopsy 于文强, 教授, 复旦大学生物医学研究院高级 PI 研究员 Yu Wenqiang, Professor, Institutes of Biomedical Sciences, Fudan University

12:00-13:30 午餐 Tea Break

13:30-14:00 Building a Knowledgebase for Precision Medicine

建立精准医学的数据知识库

刘雷, 教授, 复旦大学生物医学研究院 PI

Liu Lei, Professor, Institutes of Biomedical Sciences, Fudan University

14:00-14:30 机器学习在生物标志物开发中的应用

Application of machine learning in the development of biomarkers

侯睿, 博士, 伯豪生物技术副总

Dr Hou Rui, VP of Technology, ShangHai Biotechnology Corporation

14:30-15:00 出生缺陷中的拷贝数变异分析

Copy number variation analysis in birth defects

张锋, 教授, 复旦大学生命科学院遗传所

Zhang Feng, Professor, School of Life Science of Fudan University

15:00-15:15 茶歇

15:15-15:45 组学技术的好搭档: 多重 PCR 靶向二代测序技术

Omics technology partner: multi-PCR targeted second-generation sequencing

肖君华, 教授, 东华大学生物科学与技术研究所

Xiao Junhua, Professor, Institute of Biological Science and Technology, Donghua University

15:45-16:15 精准医学背景下的蛋白质组学技术

Proteomics technology under the background of precision medicine

张庆华, 博士, 上海中医药大学兼职教授, 上海华盈生物医药科技有限公司

Dr. Zhang Qinghua, Shanghai University of Traditional Chinese Medicine part-time professor

* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.

仪器信息网仪友会第七站—— 走进 analytica China 2018

会议时间 Time:

2018 年 11 月 1 日上午 Nov. 1, 2018, Morning

会议地点 Venue:

上海新国际博览中心

Shanghai New International Expo Centre Hall E4 M25

主办单位 Orgnizer:

仪器信息网 www.instrument.com.cn

我要测网 www.woyaoce.cn

活动内容 Topic:

1. 仪器信息网发布最新产品及服务
2. 资深版主 / 专家分享 ---- 分析仪器操作、维护与保养经验
3. 资深版主 / 专家分享 ---- 实验室人员职业晋升的经验之路
4. 现场互动交流



Tutorial I: 亲水作用色谱技术 HILIC: Background and Theory for a Better Understanding and Successful Method Development and Application

会议时间 Time:

2018 年 10 月 31 日 (09:30-11:00) Oct.31, 2018 (09:30-11:00)

会议地点 Venue:

上海新国际博览中心 Shanghai New International Expo Centre E1-M11

主办单位 Organizer:

慕尼黑展览集团 Messe München

默克化工技术 (上海) 有限公司

Merck Chemicals (Shanghai) Co., Ltd.

演讲嘉宾 Speaker:

Frank Michel, Sigma-Aldrich (Merck)



培训内容 Training content:

虽然已经被发现三十多年, 但学界近年来才开始对亲水性相互作用液相色谱 (由 Andrew Alpert 在 1990 年命名为 Helic [1]) 产生越来越浓厚的兴趣。在该色谱模式中, 分析物的保留随着流动相的有机组分的增加而单调增加。在过去的十年中, 该技术的应用有了显著的提高, 特别是在反相色谱法难以实现的极性分析物的分析方面具有很好的应用。Helic 实现了极性分析物的较高保留率, 从而让选择性更高, 能得到更好的定性和定量分析结果 [2]。虽然已知 Helic 色谱能够实现极有价值的极性化合物保留率和选择性, 并实现与质谱耦合的高度兼容的条件与, 但因为保留机制缺乏理解, 以及鲁棒性和可重复性的问题, 大家仍然经常避免采用该方法。本讲座的第一部分介绍和讨论 HILIC 色谱中占主导地位的对保留率机制的研究。除反向分区外, 众所周知 HILIC 还表现出离子交换和其他极性相互作用的特征。讲座将揭示这些主导机制的相互作用, 并用以开发整体的保留率和选择性模型。讲座还将介绍不同的固定相化学和条件的相互作用依赖关系。在讨论中, 我们将介绍 HILIC 分析实例, 建立该强大技术的有效分析方法的基础。

在第二部分中, 我们介绍鲁棒性和可重复性影响因素的基础研究。我们使用几种不同的 Helic 固定相方法研究了样品溶剂和平衡过程对保留时间的影响。此外, 已知 HILIC 中的某些阶段主要通过离子交换相互作用而保留 [3]。为了实现这些相互作用, 必须知道流动相的 pH 值和 pKa 值。流动相中的 pH 值以及电离常数 (PKA/PKB) 的测量通常仅在含水环境中测定。但是在 HILIC 模式中, 通常使用高浓度的乙腈影响 pH 值和 pKa 值, 这可能导致两个值的变化, 并可能使在 HILIC 中分析物和固定相电离状态的改变。关于样品溶剂、平衡过程和 pH/PKA 位移的研究结果为揭示 HILIC 保留机制提供了有价值的见解, 也促进未来方法开发的进一步改进。

Although known for more than three decades Hydrophilic Interaction Liquid Chromatography (named HILIC by Andrew Alpert in the beginning of the 1990ies [1]) experiences an increased interest especially in recent years. In this mode of chromatography, analyte retention increases monotonically with an increase in the organic component of the mobile phase. Applications of the technique have boosted dramatically over the past decade, especially for the analysis of polar analytes where reversed-phase chromatography usually fails. The higher retention of polar analytes achieved by HILIC provides improved selectivity, often leading to better qualitative and quantitative analyses [2]. Although HILIC chromatography is known to provide valuable retention and selectivity of polar compounds and to provide highly compatible conditions for coupling with mass spectrometry, it still often is avoided due to a lack of understanding the retention mechanisms issues and issues with robustness and repeatability.



The first part of this tutorial presents and discusses studies investigating the underlying retention mechanisms dominant in HILIC chromatography. Along with reversed-partitioning HILIC is well known to exhibit ion-exchange and other polar interactions. The interplay of these dominant mechanisms is unveiled and used to develop a model of overall retention and selectivity. The dependency of interactions on different stationary phase chemistries and conditions is presented. Throughout the discussion, examples of HILIC are employed to build a solid fundamental foundation for efficient and effective method development in this powerful technique. In the second part fundamental investigations of factors contributing to robustness and repeatability are presented. Among others, the impact of sample solvent and equilibration procedures on retention times is investigated using several different HILIC stationary phases. Furthermore some phases in HILIC are known to mainly retain through ion-exchange interactions [3]. To enable these interactions a sound knowledge on pH of the mobile phase and pKa values is necessary. Measurements of pH values in the mobile phase as well as ionization constants (pKa/pKb) are often determined in aqueous environments only. But in HILIC mode usually high concentrations of acetonitrile are employed impacting both pH and pKa values, which may lead to a shift of both values possibly leading to change of the ionization state of the analytes and stationary phase in the HILIC. The results of the investigation of sample solvent, equilibration procedures and pH/pKa shifts provide valuable insight into HILIC retention mechanisms and will further improve future method development practices. References:

- [1] A.J. Alpert, J Chromatogr 499 (1990) 177-196
 [2] P. Hemström, K. Irgum, J. Sep. Sci. 29 (2006) 1784-1821
 [3] D.S. Bell, A.D. Jones, J Chromatog A 1073 (2005) 99

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* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.

Tutorial II: 液相和气相的自动化样品前处理在食品, 法医和材料挥发领域的应用

Automated Sample Preparation for LC and GC Methods in Food, Forensic and Material

会议时间 Time:

2018 年 10 月 31 日 (09:30-11:00)
 Oct. 31, 2018 (09:30-11:00)

会议地点 Venue:

上海新国际博览中心
 Shanghai New International Expo Centre E1-M12

主办单位 Organizer:

慕尼黑博览集团 Messe München
 GERSTEL GmbH & Co.KG

演讲嘉宾 Speaker:

Yunyun Nie, Shalene Goh, PhD



培训内容 Training content:

出于多种原因, 分析实验室样品通常实施自动化制备, 主要的驱动因素包括通过增加样品吞吐量或减少劳动密集型人工处理步骤来提高实验室效率。另一通常不被考虑的需求, 是改进制备质量和可追溯性, 这一点也很重要。在

本教程中, 我们将介绍满足这些要求的自动化样品制备成功案例, 包括食品、反兴奋剂和法医分析以及材料研究等相关分析。

特别是在食品分析中, 增加样品吞吐量一直驱使开发复杂度较低、易于自动化的样品制备方法。比较知名的例子是 QuEChERS 快速的样品制备方法。该方法最初由 Anastasiades 等人开发, 用于分析非脂肪食品 [1]。随着时间的推移, 该方法现已经过修改和改进, 以用于不同的目的。本方法的名称是“快速、简便、廉价、有效、坚固、安全”的缩略语。因为需要详细的记录和可追溯的分析结果, 法医实验室质量保证是重要的问题。自动样品制备有助于满足这些要求: 在样品制备和分析中的每一步都记录在仪器分析方法里, 并记录在日志文件中, 如反兴奋剂测试中使用的干血斑 (DBS) 分析以及监测滥用药物的毛发分析均可得到良好应用。

本教程涉及的第三个主题涉及材料研究, 特别是影响室内空气质量的挥发性有机化合物 (VOCs) 的排放测定。此类分析目前已经开发了标准化的测试方法, 能反映材料在实际使用中的情况。自动化检测可以帮助提高这些测试场景的再现性和可比性。相关文献关键词是“排放室测试”和“热提取”。开发这些方法的主要目的包括支持室内空气质量检测 (例如 DIN 16000-09) 或汽车空气质量检测 (包括 VDA 277 和 VDA 278)。我们将举例说明自动化室测试如何用于小空间 VOC 排放测试。最后, 我们将讨论新的自动化技术如何改进在建筑物室内材料的甲醛排放监测。

Automation of sample preparation in analytical laboratories is typically implemented for multiple reasons. Quite often, the main driver is the demand to increase laboratory efficiency by increasing sample throughput or reducing the need for labor intensive manual processing steps. A second demand, less often considered but never the less important, is improved quality assurance and traceability. In this tutorial, examples of successfully implemented automated sample preparation procedures that address these demands are presented. The examples cover food, anti-doping and forensic analysis as well as analysis related to materials research. Especially in food analysis, increasing sample throughput has been a driving force for developing less complex sample preparation procedures that are easily automated. A well known example is the QuEChERS method, a fast sample preparation method originally developed for the analysis of non-fatty foods by Anastasiades et al. [1]. This method has been modified and improved for different purposes over time. The acronym stands for "Quick, Easy, Cheap, Effective, Rugged, and Safe".

In forensic laboratories, quality assurance is an important issue because of the demand for well documented and traceable analytical results. Automated sample preparation helps to fulfill these requirements: Every step performed in sample preparation and analysis is documented in instrument methods and recorded in log files. Examples are shown including dried blood spot (DBS) analysis used in anti-doping control as well as analysis of hair used for monitoring drugs of abuse.

A third topic covered in the tutorial is from materials research, specifically the determination of emissions of volatile organic compounds (VOCs) affecting indoor air quality. For this kind of analysis standardized test methods have been developed that reflect real life use of the material. Automation can help to increase reproducibility and comparability of these test scenarios. Keywords are "emission chamber testing" and "thermal extraction". The methods used were developed to support indoor air quality work (e.g. Din 16000-09) or methods from the automobile industry including VDA 277 and VDA 278. Examples will show how automated chamber testing in small chambers can be applied to VOC emission testing. Finally, new automation techniques for improved formaldehyde emission monitoring of materials used indoors in buildings will be discussed.

1] M. Anastasiades, S. Lehotay, D. Stajnbaher and F. Schenck; J. AOAC Int 86(2) (2003) 412-31

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For most updated information, please refer to the conference schedule posted.

Tutorial III: 基于代谢流和细胞代谢分析的药物治疗机制研究策略

The Strategy to Integrate Metabolic Flux, Cell Metabolism with Metabolomics to Study the Mechanism of Drug Action

会议时间 Time:

2018 年 10 月 31 日 (11:15-12:45) Oct. 31, 2018 (11:15-12:45)

会议地点 Venue:

上海新国际博览中心 Shanghai New International Expo Centre E1-M11

主办单位 Organizer:

慕尼黑博览集团 Messe München
 安捷伦科技 (中国) 有限公司
 Agilent Technologies (China) Co., Ltd.

演讲嘉宾 Speaker:

宋越博士, 安捷伦科技 (中国) 有限公司
 Dr. Yue Song, Agilent Technologies




培训内容

Training content:

代谢组学在药物作用机制研究中被广泛应用, 通过测量细胞内源性代谢物在对照组合给药组间的丰度差异, 进行代谢通路匹配分析, 进而探究生物体在药物干预时是否有特定的代谢通被激活。基于这些代谢组学研究成果, 如何进一步揭示生物体内代谢通路的活性, 并从细胞生物学水平证实和验证这些现象, 对于更清楚地阐明药物作用机制具有重要意义。代谢流分析使用同位素标记示踪代谢物在代谢通路中的变化过程; Seahorse XF 就像一个摄像机, 同时实时测量活细胞的两个主要能量代谢途径的变化率。本报告将介绍一种整合代谢流分析与细胞代谢的代谢组学研究方法, 通过提供生物学相关性和内源性代谢物信息, 从而研究药物作用的机制。

Metabolomics has been widely used in the mechanism research of drug action, it measures the molecular composition of a cell and identify the changed metabolites between control and treated group, then the pathway mapping clues the specific pathways which are activated due to biological response to drug treatments. Based on these metabolomics results, how to further reveal in vivo pathway activity, how to confirm and validate from cell biology level, these are very important for more clear clarification the mechanism of drug action. Metabolic flux analysis uses isotope labeling to track the flow of metabolites through a pathway, Seahorse XF is like a video camera that measures the rate of change in the two major energy metabolism pathways of cell simultaneously in live cells and in real-time. This presentation will introduce an integrated strategy by combing metabolic Flux, cell metabolism with metabolomics to provide both biological relevance and detailed molecular information to the study of the mechanism of drug action.

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Tutorial IV: 利用表面多孔粒子液相色谱柱技术最大限度地提高环境和食品污染物的 LC-MS/MS 分析效率

Maximizing the Efficiency of LC-MS/MS Analysis of Environmental and Food Contaminants with Superficially Porous Particle Column Technology

会议时间 Time:

2018 年 10 月 31 日 (11:15-12:45) Oct. 31, 2018 (11:15-12:45)

会议地点 Venue:

上海新国际博览中心
 Shanghai New International Expo Centre E1-M12

主办单位 Organizer:

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 瑞思泰康科技 (北京) 有限公司
 RESTEK CORPORATION


演讲嘉宾 Speaker: Xiaoning Lu



培训内容 Training content:

对环境和食品安全的日益关注需要更高效的分析方法。由于其无与伦比的选择性和灵敏度, LC/MS/MS 已成为首选方法。该报告将介绍 Restek 最近开发的表面多孔粒子柱技术, 以显著提高 LC/MS/MS 分析速度, 色谱效率, 选择性和灵敏度。应用实例包括筛选和分析各种食品基质中的 190 多种农药和多种霉菌毒素, 以及分别用 Raptor 联苯柱与 C18 分离分析 41 种药品个人护理产品 (PPCP) 和 34 种多氟烷基物质 (PFAS)。

The increasing concerns on environmental and food safety poses the needs for higher efficiency analytical methods. LC/MS/MS has become the method of choice due to its unparalleled selectivity and sensitivity. The presentation introduces Restek's recent development of superficially porous particle column technologies to significantly improve the LC/MS/MS speed, chromatography efficiency, selectivity and sensitivity. These are demonstrated by application examples including the screening and analysis of 190+ pesticides and multiple mycotoxins in various food matrices, 41 pharmaceuticals personal care products (PPCP) on a Raptor Biphenyl column and 34 Per & polyfluoroalkyl substances (PFASs) on a Raptor C18 column, respectively.

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Tutorial V: 解析环保新标准 - 水质烷基汞的测定吹扫捕集 / 气相色谱冷原子荧光光谱法及其应用之解决方案

Analysis on the New Environmental Standard-"Water Quality—Determination of Alkyl Mercury—Purge and Trap Gas Chromatography/Cold Vapor Atomic Fluorescence Spectrometry" and its Practical Workflow

会议时间 Time:

2018 年 10 月 31 日 (14:00-16:00) Oct. 31, 2018 (14:00-16:00)

**会议地点 Venue:**

上海新国际博览中心
Shanghai New International Expo Centre E1-M13

主办单位 Organizer:

慕尼黑博览集团 Messe München
上海仪真分析仪器有限公司
Esensing analytical Technology Co., Ltd.

**演讲嘉宾 Speaker:** 陈来国 博士**培训内容 Training content:**

烷基汞是烷基与汞结合的一类有机金属化合物的统称，其包括甲基汞、乙基汞等多种形态。甲基汞具有很强的神经毒性，容易通过食物链富集，是最受关注的有机汞形态 [1]。乙基汞被认为具有和甲基汞相似的生物毒性，会危害人的中枢神经系统、肾脏和免疫系统，而甲基汞和乙基汞的联合暴露可能增强对哺乳类动物的神经毒性 [2]。

烷基汞是中国部分水质标准和排放标准重要的监测指标。中国近期将发布新的水质烷基汞分析方法标准：水质烷基汞的测定吹扫捕集 / 气相色谱冷原子荧光光谱法 [3]，该标准具有更低的检出限（甲基汞和乙基汞的方法检出限均为 0.02 ng/L）、更好的稳定性、更简单的操作程序和更广的适应范围。由于该方法与现行的国标方法在方法原理、前处理方法、干扰的产生与消除、分析仪器等方面均有很大差别，实际应用过程中可能会有一些疑问。为此，我们将对此标准进行较为详细的解析，以期能帮助分析人员更好掌握和应用本标准。

培训中分享了多个环监实验室在标准验证过程中的实际经验，举例说明了从样品采样，制备到使用验证仪器（美国 Brooks Rand 公司的 MERX 全自动烷基汞分析仪）的全过程，展示了标准的可靠性和仪器分析的易操作性，特别是相对于硫基棉方法，仪器分析结果检出限低，方法重复性高，并最大程度保证了操作人员的安全。

Alkyl mercury is a type of organometallic compounds, formed by combining alkyl and mercury. It includes methylmercury, ethylmercury and other forms. Methylmercury, as the most concerned organomercury species, has a strong neurotoxicity which can easily lead to biomagnification in a food chain. The neurotoxicity in ethylmercury is considered to have some similarity to methylmercury. It can do harm to human being's central nervous system, kidneys and immune system. And co-exposure to methylmercury and ethylmercury may increase neurotoxicity on mammals.

Alkyl mercury is an important monitoring index in the Chinese water quality standards and emission standards. China will soon publish the new analysis standard for alkyl mercury in water: Water quality-Determination of alkyl mercury-Purge and trap gas chromatography/Cold vapor atomic fluorescence spectrometry. This standard has lower detection limits (MDL of methylmercury and ethylmercury are both 0.02 ng/L), better stability, easier operating procedure and a wider application range.

Because this method is very different from the current national standard method in the principle, pretreatment, generation and elimination of interference, instrument, etc, there may be some problems in its practical application. To this end, we will conduct a detailed analysis of this standard so as to help analysts better grasp and apply this standard.

During this tutorial, we will make examples from sample collection, sample preparation, as well as using the reliable instrument (MERX Automatic Alkyl Mercury Analyzer, Brooks Rand Inc.) that we used mainly during the standard method validation, to show the working flow on how to adapt the standard to generate reliable lab results.

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Tutorial VI: 细胞治疗过程工艺产业化技术研讨会 Symposium on Industrial Production Technology of Cell Therapy

会议时间 Time:

2018 年 11 月 1 日 (13:00-17:00) Nov.1, 2018 (13:00-17:00)

会议地点 Venue:

上海新国际博览中心 Shanghai New International Expo Centre E4-M25

主办单位 Organizer:

慕尼黑展览 (上海) 有限公司 Messe Muenchen Shanghai Co., Ltd.
江苏卓微生物科技有限公司 Jiangsu Jimbio Technology Co., Ltd.

**演讲嘉宾 Speaker:**

程魁 教授、陈翔 副教授、戴晓兵 博士、张万明 博士、吴旭东 博士

培训内容 Training content:**会议主题一:**

Toll 样受体 2 调节剂与肿瘤免疫

Toll-like receptor2 modulators and tumor immunity

Toll 样受体 (TLR) 具有激活先天免疫和获得免疫系统的能力，成为疫苗佐剂和 / 或癌症治疗的理想靶标。例如，TLR4 激动剂 MPLA 已经成功地用做 FDA 批准的宫颈癌疫苗佐剂。TLR7 的激活剂咪喹莫特 (INN)，也是 FDA 批准的一种药物，用于治疗尖锐湿疣，浅表性基底细胞癌和光化性角化病等。最近，从云芝中提取的 TLR2 激动剂，云芝多糖 (PSK)，正在进行临床 II 期的乳腺癌治疗。越来越多的研究已经证实 TLR2 激动剂可以直接、或进行结构修饰，用于癌症的治疗。在这次演讲中，我将介绍 TLR2 激动剂的发现及其在肿瘤免疫治疗中的作用。

The ability of toll-like receptors (TLRs) to activate both immune systems has made them desirable targets both for vaccine adjuvants and/or cancer treatment. For example, the modified TLR4 agonist, monophosphoryl lipid A (MPLA), is used as an adjuvant in the FDA approved adult cervical cancer vaccine. Imiquimod (INN) is a FDA approved drug which functions through TLR7 and used for the treatment of genital warts, superficial basal cell carcinoma and actinic keratosis. Recently, a TLR2 agonist, Polysaccharide krestin (PSK), extracted from mushroom is being tested in a clinical phase II trial now for the treatment of breast cancer. Accumulated evidences have proven that TLR2 agonists could be used directly, or as structurally modified forms in cancer treatment, suggesting that TLR2 agonists can be potential effective enhancers for cancer immunotherapies. In this talk, I will give an introduction for the TLR2 agonist discovery and their role in tumor immune cancer treatment.

会议主题二:

微流控细胞分选技术研究

Speech title: on microfluidic cell sorting technology

利用微流控技术进行单细胞捕获、排布及后续鉴定分析，对了解肿瘤异质性、免疫细胞及肿瘤细胞相互作用等有着重要的意义，本次我将介绍本课题组在

微流控单细胞分析的一些进展，包括利用鲸须结构、磁色谱芯片和水坝结构完成细胞的捕获及排布，并将介绍一种新型的利用类似 RC 电路的流路设计完成细胞的快速染色。

Microchips that perform single cell capture, array, and identification have become powerful tools for single cell studies, which can reveal precise underlying mechanisms among bulk cell populations. However, current single cell capture and on-chip immunostaining methods consume more time and reagent than desired. In this seminar, I am going to present several approaches that our group has been working on, including magnetic based microfluidic chip, whalebone-like microfluidic chip and parsortix-like microfluidic chip for cell separation and arraying, a RC-like fluidic circuit for fast cell staining.

会议讲师介绍:**程魁 教授**

程魁教授于 2011 获南京大学博士学位。之后，他在美国科罗拉多大学从事了 3 年多的博士后研究。2014 年 10 月回国，在清华大学担任研究副教授。一年半后，他加入南方医科大学并工作至今。他的研究领域的是靶向免疫蛋白，开发用于抗炎和肿瘤免疫治疗创新型小分子，用于临床疾病的治疗。到目前为止，他以第一和通讯作者发表过一些高影响力的研究论文，包括 Sci. Adv., J. Am. Chem. Soc., Angew. Chem. Int. Edit. 等。并申请了 4 项 PCT 专利，其中包括两项授权。

Professor Kui Cheng obtained his PhD in Nanjing University in 2011. After that, he had 3 years post-doc training in University of Colorado Boulder (USA). Then he moved back to China and employed as a Research associated Professor in Tsinghua University. After 1.5 years, he joined in Southern Medical University and work until today. His research interesting is targeting immune proteins and developing new small molecule modulators for anti-inflammatory and tumor immunotherapy. Until today, he published a lot of high impact research article, including Sci. Adv., J. Am. Chem. Soc., Angew. Chem. Int. Edit. et al. And also applied 4 PCT Patent, including two authorized.

陈翔 副教授

2006 年进入上海交通大学微纳米科学技术研究院工作，主要从事 MEMS、生物化学、分子生物学、生物微系统等方面的研究。对国内外 BioMEMS 方面的研究现状、应用情况及发展趋势具有深入的了解，并有丰富的实践经验。发表相关文章 20 余篇，申请发明专利 5 项，授权发明专利 3 项。先后主持上海市科委项目一项、自然科学基金一项，国防重点实验室基金项目一项，参与了国家 863、973 等多项与 MEMS 技术相关的课题的研究工作。

Dr. Chen joined the Institute of Micro-Nano Science and Technology of Shanghai Jiaotong University in 2006, his research mainly focuses on MEMS, biochemistry, molecular biology, and biological micro-systems. He has deep understanding of the BioMEMS research trends, and has strong practical experience. He has published more than 20 related research papers, applied 5 invention patents, and granted 3 invention patents. He is the principle investigator of Shanghai Science and Technology Commission project, the Natural Science Fund, the National Defense Key Laboratory Fund Project, and participated in the research work of 863 and 973 related topics.

戴晓兵 博士

戴晓兵，苏州壹达生物科技有限公司董事长兼总经理

姑苏领军人才；瑞典乌普萨拉大学、中科院毕业，拥有生物学和系统学双重博士学位。



在国际电子行业知名公司瑞典迈康尼 Myconic AB 的多年研发和市场营销经历，使戴博士具有了生物学和半导体电子跨学科、跨行业的知识基础和全面的研发、生产管理和营销等企业管理经验。

戴博士深入了解生物和电子领域，了解国内和国际行业情况，其研发和产业化经验，将有利于公司将产品迅速推向国内和国际市场。作为发明人，申请专利 26 项，其中发明专利 12 项，实用新型专利 10 项，外观设计专利 4 项。戴博士管理公司的产品研发和运营，除了进行工艺创新和产品创新工作以外，更推动了公司的产业化应用创新。

Dai Xiaobing, CEO of Etta Biotech Co., Ltd., has been awarded the "Gusu Entrepreneurship and Innovation Leading Talent". He graduated from the university of uppsala, Sweden and the Chinese academy of sciences, owning a dual degree in biology and systematics.

His rich R&D and marketing experience accumulated for many years in Myconic AB in Sweden which is one of the well-known companies in the international electronics industry, makes Dr Dai having the interdisciplinary and cross-industry knowledge base of biology and semiconductor electronic, and comprehensive management experience of R&D, production management and marketing.

Dr Dai has a deep understanding of the biology and electronics industry, and gives an in-depth insight into domestic and international business situations. Hence, his experience in R&D and industrialization will help to push the company into domestic and international markets rapidly. As the inventor, he has applied for 26 patents, including 12 patents, 10 utility models and 4 design patents. Dr Dai runs the development and operation of products. And, in addition to technological innovation and product innovation, he has promoted the innovation of industrialization of the company.

张万明 博士

苏州梅赛生物技术有限公司 | 总经理

报告题目: 人源性神经生长因子的重组表达

芬兰赫尔辛基大学医药学院临床化学专业博士，乌普萨拉大学生物医学中心医药化学与微生物学专业博士后，美国临床化学协会会员、美国癌症研究协会会员。美国俄亥俄州克利夫兰医学中心病理学与实验医学研究所临床执业检验医师和资深研究员，后又任湖南能润医学诊断技术股份有限公司副总裁、长沙佰能生物科技生物技术有限公司创始人和首席科学家，现任苏州梅赛生物技术有限公司总经理。

开发针对多种肿瘤标志分子的免疫检测，包含早期针对前列腺癌的特异性抗原复合体，肿瘤相关性胰蛋白酶原和它的抑制剂；早期诊断前列腺癌、甲状腺癌、结肠癌和胰腺癌循环肿瘤细胞的检测；早期诊断甲状腺癌、结肠癌和胰腺癌的基于突变基因 B-raf 和 K-ras 荧光定量 PCR 技术的分子诊断；基于抗体检测毒性弥漫性甲状腺肿的细胞检测等；曾获芬兰 Wenner-Gren 基金会斯德哥尔摩博士后奖、欧洲临床化学协会 Poul Astrup Prize、芬兰赫尔辛基大学外籍年轻科学家等多个奖项。

吴旭东 博士

吴旭东 博士 江苏卓微生物科技有限公司总经理

重庆大学生物医学工程专业博士毕业，美国 Vanderbilt 大学访问学者，加拿大 Waterloo 大学微流控和纳流控中心研究员，多项芯片实验室技术核心研发者，在国际影响力杂志 Lab on a chip 及 Electrophoresis 等杂志发表文章十余篇，国家 2010 年优秀博士生提名奖。

报告题目: 微流控芯片上细胞阻抗相关研究**Xudong Wu Ph.D**

CEO Jiangsu Jimbio Technology Co., Ltd.

2014.3-now: CEO of Jiangsu Jimbio Technology Co., Ltd.

2010.8-2014.3: research associate, Microfluidic and Lab-on-a-chip lab.

Unviersity of Waterloo, Canada.

2007.1-2008.4: Visiting Scholar in the microfluidic technology in the



Mechanical Engineering of Vanderbilt University, USA

2004-2007: Ph.D Study, Biomedical Engineering Chongqing University, China

Research Interests:

Microfluidic Bio-Sensors, Optical Bio-Sensors, Lab-on-a-Chip Technology

Report Subject: Study of Cellular impedance in Microfluidics

赞助商 Sponsor:  卓微科技
JUNBO TECHNOLOGY

* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.

Tutorial VII: 质者玲珑, 谱度非凡—安捷伦串联质谱技术及应用新高度 Unbelieve Powerful, Remarkably Small— Agilent New MS Technology and Application Era

会议时间 Time:

2018年10月31日 (14:30-16:00) Oct.31, 2018 (14:30-16:00)

会议地点 Venue:

上海新国际博览中心 Shanghai New International Expo Centre E4-M25

主办单位 Organizer:

慕尼黑展览(上海)有限公司 Messe Muenchen Shanghai Co., Ltd.

安捷伦科技(中国)有限公司 Agilent Technologies (China) Co., Ltd.



演讲嘉宾 Speaker:

杨丹卉 Dan-Hui D. Yang, 孟戈 Meng Ge, 张曼玉 Manyu Zhang

培训内容

Training content:

会议主题一:

创新基于应用: Ultivo 三重四极杆液质系统的配件新选择及 MassHunter Productivity App 软件介绍 Innovation with Purpose: New Value Option on Ultivo Triple Quadrupole LCMS System and Application Using MassHunter Productivity App

Ultivo 三重四极杆旨在解决客户面临的挑战。Ultivo 内部的创新技术不仅可以减少其整体体积,还可以保持其性能。VacShield, Cyclone Ion Guide, Vortex Collision Cell 和 Hyperbolic Quads 增强了仪器的可维护性和可靠性,从而延长了正常运行时间。SWARM 调谐提供了业界最快的仪器参数设定。应客户要求,我们为 Ultivo 推出新的 ESI Source 选项。通过检测食品基质中的兽药和血浆和牛奶中的褪黑激素,可以证明其应用价值。对于常规测试实验室而言,数据分析和审查可能非常耗时。新的应用软件 -MassHunter Productivity App 旨在促进快速数据分析,对其功能,我会做简单的介绍。

Ultivo Triple Quadrupole is designed to address many challenges faced by our customers. Innovative technologies within Ultivo not only reduce its overall footprint, but also conserve the performance. VacShield, Cyclone Ion Guide, Vortex Collision Cell and the Hyperbolic Quads enhance instrument serviceability and reliability, which promote greater uptime. SWARM tune provides the fastest tuning in industry. We are introducing a new ESI Source option for Ultivo based on customers' request. The applications will be demonstrated with the detections of veterinary drugs in food matrices and melatonin in human plasma and milk.

For a routine testing lab, data analysis and review can be time consuming. A new software package-MassHunter Productivity App is designed to facilitated quick data analysis. Its functionalities will be briefly introduced.

会议主题二:

GB 2763 农药残留 LC/MS/MS & GC/MS/MS 分析全流程解决方案 - 农残预警监管利器

LC/MS/MS & GC/MS/MS total solution for GB 2763 pesticides analysis-Excellent tool for pesticides monitoring & supervision

安捷伦 GB 2763 农药残留 LC/MS/MS & GC/MS/MS 分析全流程解决方案,将 LC/MS/MS 和 GC/MS/MS 平台交叉联动,实现更快捷、可靠地检测 GB 2763-2016 (《食品安全国家标准 - 食品中农药最大残留限量》) 监管的农药。一套前处理方法得到的样品,分别在 LC/MS/MS 和 GC/MS/MS 上一针进样,可在半天内快速筛查和确证 400 多种农药残留,分析方法满足 GB 2763-2016 对最大残留限量 (MRLs) 的规定。提升您实验室的预警能力和监管效能,以最低成本实现食品安全风险“早发现、早预警、早消除”。

Agilent LC/MS/MS & GC/MS/MS total solution helps detect pesticides regulated by the GB 2763-2016 <National food safety standard -- Maximum residue limits for pesticides in food> with higher efficiency and reliability. Through one pretreatment, the sample is injected into LC/MS/MS & GC/MS/MS respectively for qualitative and quantitative analysis of over four hundred pesticides. The high-throughput method follows the maximum residual limitations (MRLs) under GB 2763-2016 closely. With this solution, the food safety labs can enhance forewarning and supervisory capability hugely with lowest cost.

会议主题三:

新型毛细管电泳与质谱联用技术在生物药电荷异质性和临床前药物代谢研究中的应用

Charge variants analysis and preclinical PK research using capillary electrophoresis coupled with mass spectrometry

电荷异质性分析是单克隆抗体的关键质量属性之一,它可以反映产品的质量和稳定性。毛细管等电聚焦 (cIEF) 基于蛋白等电点的变化分离电荷异构体,可获得良好的分离结果;与质谱联用后可同时获得主峰、酸性峰和碱性峰分子量。毛细管电泳质谱联用技术也可应用于临床前药物浓度检测分析。

Charge variants is a critical quality attribute of antibody as it is important for the stability of the drug. The charge variants can be separated by capillary electrophoresis CIEF due to different isoelectric points. By coupling with MS, the molecular weight of the main peak, basic peak and acid peak can be detected. Meanwhile, CE-MS can be used in the preclinical PK analysis of drug.

赞助 Sponsor:  Agilent

* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.

Workshop: 色谱法介绍 Introductory Chromatography

会议时间 Time:

2018年10月31日 (09:30-13:30) Oct. 31, 2018 (09:30-13:30)

会议地点 Venue:

上海新国际博览中心
Shanghai New International Expo Centre E1-M13

主办单位 Organizer:

慕尼黑博览集团 Messe München

演讲嘉宾 Speaker: Dr. Professor Tadeusz Górecki



培训内容 Training content:

The workshop will introduce the participants to the fundamentals of chromatographic separations. After discussing the basic concepts, the focus will shift to gas and liquid chromatography. Instrumentation will be discussed, including hardware, sample introduction systems, detectors, columns and stationary phases. Special attention will be paid to the coupling of GC and HPLC with mass spectrometry. Principles of method development will be explained, including steps required for proper quality assurance/quality control. The workshop will conclude with an overview of multidimensional separation methods, including comprehensive two-dimensional gas chromatography (GC x GC) and liquid chromatography (LC x LC).

* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.

Lunch Seminar I: 液质联用基本方法 Essential LC-MS Method Development

会议时间 Time:

2018年11月1日 (12:15-13:15)

Nov.1, 2018 (12:15-13:15)

会议地点 Venue:

上海新国际博览中心
Shanghai New International Expo Centre E1-M11

主办单位 Organizer:

慕尼黑博览集团 Messe München

演讲嘉宾 Speaker: Dr. Phil Koerner



培训内容 Training content:

Essential LC-MS Method Development
- Brief overview of chromatographic interactions
- The role of mass spec in LC-MS
- LC column selection
- Mobile phase considerations for LC-MS

独家赞助 Exclusive sponsor:  飞诺美
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* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.



Lunch Seminar II: 关于挥发性和非挥发性微量污染物自动微萃取技术的发展近况 Recent Developments in Automated Micro-Extraction Techniques for Volatile and Non-Volatile Trace Contaminants

会议时间 Time:

2018年11月1日 (12:15-13:15)

Nov. 1, 2018 (12:15-13:15)

会议地点 Venue:

上海新国际博览中心
Shanghai New International Expo Centre E1-M12

主办单位 Organizer:

慕尼黑博览集团 Messe München

演讲嘉宾 Speaker:

Dr. Hans-Joachim Huebschman




培训内容 Training content:

Micro-extraction techniques become more and more popular in many analytical areas, in particular in environmental and food safety trace analysis. There are many compelling benefits for users, laboratories and not least for our environment in the context of "green analytical chemistry".

Typically, the micro-extraction techniques come as an instrument solution. The usual manual extraction and clean-up steps are largely replaced by an automated workflow. The workflow for a specific analysis is provided with the instrument in a customized configuration to fulfil the requirements of the official methods. Customized procedures for individual needs are also established.

The seminar provides an actual overview of the currently most used microextraction techniques in the analytical laboratory. In the following turnkey solutions are presented for-the analysis of drinking water using solid phase microextraction (SPME) and dynamic headspace (Purge & Trap, ITEX), -the automated clean-up of QuEChERS extracts for pesticides analysis in food samples with micro-SPE, and the liquid/liquid micro extraction (LLE) for metabolite analysis in staple food and clinical diagnostic and research.

独家赞助 Exclusive sponsor:  PAL SYSTEM
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* 会议日程以当天通告为准

For most updated information, please refer to the conference schedule posted.

Lunch Seminar III: 介绍日本电子扫描电镜 JSM-7900F 如何制作扫描电镜观察用的截面样品 Introduction JEOL Scanning Electron Microscope JSM-7900F and How to Make a Cross Section of Specimens for Observation by Scanning Electron Microscope

会议时间 Time:

2018年11月1日 (12:00-14:00) Nov. 1, 2018 (12:00-14:00)



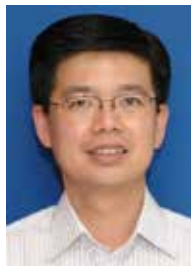
会议地点 Venue:
上海新国际博览中心
Shanghai New International Expo Centre E1-M14

主办单位 Organizer:
慕尼黑博览集团 Messe München

演讲嘉宾 Speaker:
Mr Tan Teck Siong


培训内容
Training content:

介绍最新的样品制备方法
- SEM 样品制备的基础
- 各种实用材料的样品制备的应用



介绍最新 SEM 的动态
- 最新 SEM 的功能、性能及其优越性
- 最新 SEM 的多功能扩展

An introduction of recent sample preparation techniques
- Basics of sample preparation for an SEM
- Application of various sample preparation method to actual materials
An introduction of modern SEM world
- Advantages of Modern SEM functions and performance
- Expansion of versatilities of modern SEM

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* 会议日程以当天通告为准
For most updated information, please refer to the conference schedule posted.



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- ② 整点抽奖：进入直播间，点击【抽奖】报名，每次随机抽出20名观众，即可获得星巴克咖啡礼券一张!

抽奖时间: 10月31日 11:00, 15:00 11月01日 11:00, 15:00 11月02日 11:00

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