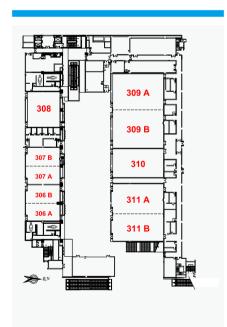


BCEIA 2019 分会报告

Parallel Sessions

BCEIA2019设立电子显微学及材料科学、质 谱学、光谱学、色谱学、磁共振波谱学、电 分析化学、生命科学中的分析技术、环境分析、 化学计量与标准物质以及标记免疫分析 10 个 分会,每个分会将邀请20至50位科学家到 会作报告,交流、讨论本学科领域前沿新技术、 新方法。

Parallel Sessions including 10 fields will be held, comprising electron microscopy and materials sciences, mass spectrometry, optical spectroscopy, chromatography, magnetic resonance spectroscopy, electroanalytical chemistry, analytical techniques in life sciences, environmental analysis, chemical metrology and reference materials, labeled immunoassay. About 20 to 50 experts will be invited to introduce advanced technologies and methods each session.



时间	分会报告及墙报	会议室
	电子显微学及材料科学 Electron Microscopy and Materials Sciences	309A
	质谱学 / Mass Spectrometry	309B
	光谱学 / Optical Spectroscopy	310
	色谱学 / Chromatography	311A
10. 25 - 26	波谱学 / Magnetic Resonance	306A
10, 20 20	电分析化学 / Electro-analytical Chemistry	306B
	生命科学中的分析技术 / Analytical Techniques in Life Sciences	311B
	环境分析 / Environment Analysis	307B
	化学计量与标准物质 / Chemical Metrology & Reference Materials	308
	标记免疫 / Labeled Immunoassay	307A





A、电子显微学及材料科学

会议主题: 显微学加速材料进化 专题: 材料界面、表面和缺陷

显微结构与功能材料

显微方法学

负责人: 韩晓东 教授 北京工业大学 xdhan@biut.edu.cn

B、质谱学

会议主题:质谱助力健康生活 专题:基础理论与方法

新仪器与新技术

牛命科学与组学

环境与能源分析

食品安全与药物分析

临床质谱

负责人: 刘虎威 教授 北京大学 hwliu@pku.edu.cn

C、光谱学

会议主题: 涌现的机会

专题:新思路/分子及原子光谱

新应用 / 光谱分析与材料

新方法 / 高分辨光学成像

新仪器 / 光谱仪与显微镜

负责人: 何彦 教授 清华大学

yanhe2021@mail.tsinghua.edu.cn

D、色谱学

会议主题: 分离分析谱写健康未来

专题: 样品制备方法

高效分离方法

高灵敏检测方法

色谱应用

负责人: 张丽华 研究员 中科院大连化学物理研究所 lihuazhang@dicp.ac.cn

E、波谱学

会议主题:波谱学原理与技术的发展和应用

专题: 生物核磁共振专题

电子顺磁共振专题

原位磁共振专题

磁共振成像专题

代谢学专题

磁共振分析新方法专题

负责人: 王申林 研究员 北京大学

wangshenlin@pku.edu.cn

F、电分析化学

会议主题: 电分析化学的发展与未来

专题:生物电分析化学

生物传感

纳米电化学

单分子检测

单细胞分析化学

电化学联用技术

负责人: 李景虹 教授 清华大学

jhli@mail.tsinghua.edu.cn

G、生命科学中的分析技术

会议主题: 关注生命, 聚焦方法

专题:精准医学分析与医疗诊断

健康与安全

组学分析

单分子单细胞单颗粒分析

负责人:谢剑炜研究员 军事科学院军事医学研究院

xiejw@bmi.ac.cn

H、环境分析

会议主题: 大数据连接环境与生活

专题:环境分析化学

环境毒理及健康效应

环境化学过程

大气细颗粒物 /PM 2.5

负责人: 汪海林 研究员 中国科学院生态环境研究中心

hlwang@rcees.ac.cn

1、化学计量与标准物质

会议主题:精准改变世界,计量增进互信

专题:标准物质与化学计量新技术

临床诊断与生物医药

环境分析与计量

食品安全计量

负责人: 李红梅 研究员 中国计量科学研究院

lihm@nim.ac.cn

J、标记免疫分会

会议主题: 创新转化 精准诊断

专题:标记免疫技术

基因检测技术

生物材料

标记免疫技术

基因检测技术

生物材料制备

负责人: 颜光涛 研究员 中国人民解放军总医院 ygt301@163.com







SCHEDULE OF SESSIONS

BCEIA2019 Schedule Of Sessions



ELECTRON MICROSCOPY AND MATERIALS SCIENCES

CHAIRMAN:

Prof. Han Xiaodong

ORAL LECTURES

Dates: Oct.25-26,2019 **Location:** Room 309A, China National Convention Center,

Beijing **Keynote:**

25 min talk + 5 min questions

Invited:

20 min talk + 5 min questions

		Date: October 25, 2019 AM	
Cł	nairma	an: Professor Xiaodong Han (Session 1)	
8:30-8:40	Opening address by Professor Ze Zhang		
8:40-9:10	A2 DESIGNING FUNCTIONAL MATERIALS VIA ATOMIC-RESOLUTION MICROSCOPY AND SPECTROSCOPY Prof. Stephen J. Pennycook National University of Singapore, Singapore		
9:10-9:40	А3	UNDERSTANDING THE GROWTH OF LOW-DIMENSIONAL NANOSTRUCTURES USING ELECTRON MICROSCOPY Prof. Jin Zou The University of Queensland, Brisbane, Queensland, Australia	
9:40-10:00		Coffee break	
Chairr	man: F	Professor Stephen J Pennycook (Session 2)	
10:00-10:30	A4	THE ESTABLISHMENT OF LORENTZ TEM AND IN SITU MAGNETISM Prof. Renchao Che Fudan University, Shanghai, China	
10:30-11:00	A5	PHASE ENGINEERING OF NANOMATERIALS Prof. Hua Zhang City University of Hong Kong, Hong Kong, China	
11:00-11:30	A6	TEM STUDIES ON EPITAXIAL MAGNETIC THIN FILMS Prof. Richeng Yu Chinese Academy of Sciences, Beijing, China	
11:30-14:00		Lunch	
		Date: October 25, 2019 PM	
	Chai	rman: Professor Jin Zou (Session 3)	
14:00-14:30	A7	TBC Prof. Keesam Shin National changwon university, South Korea	
14:30-15:00	A8	RECENT PROGRESS IN QUANTITATIVE STEM-ENERGY LOSS MAGNETIC CHIRAL DICHROISM MEASUREMENT Prof. Shunsuke Muto Nagoya University, Furo-cho, Chikusa-ku, Nagoya, Japan	
15:00-15:30	А9	IN SITU STUDY THE CHANGE OF NANOSTRUCTURE IN LIQUID Prof. Qing Chen Peking University, Beijing, China	
15:30-15:50		Coffee break	
С	hairm	an: Professor Keesam Shin (Session 4)	
15:50-16:20	A10	STRUCTURAL MODULATION: FROM LONG-RANGE ORDER TO SHORT-RANGE ORDER Prof. Binghui Ge Chinese Academy of Sciences, Beijing, China	
16:20-16:50	A11	DEVELOPMENT AND APPLICATION OF UTEM IN MATERIAL SCIENCE Prof. Huaixin Yang Chinese Academy of Sciences, Beijing, China	
16:50-17:20	A12	IN-SITU OBSERVATION OF THE DYNAMIC BEHAVIORS OF NANOCATALYSTS BY ENVIRONMENTAL TEM Prof. Yong Wang Zhejiang University, Hangzhou, China	
		Banquet	

		Data: October 26, 2010 AM		
	Date: October 26, 2019 AM			
Chairman: Professor Shunsuke Muto (Session 5)				
9:00-9:30	A13	IN-SITU TEM STUDY ON SOLAR CELL Prof. Litao Sun Southeast University, Nanjing, China		
9:30-10:00	A14	REVEALING THE DYNAMIC OF RADIATION DEFECTS USING IN SITU NANOMECHANICAL TESTING INSIDE TEM Prof. Weizhong Han Xi'an Jiaotong Univeristy, Xi'an, China		
10:00-10:20		Coffee break		
(Chairm	nan: Professor Richeng Yu (Session 6)		
10:20-10:50	A15	INTERFACE EFFECTS ON MECHANICAL PROPERTIES OF STRUCTURAL MATERIALS Prof. Shijian Zheng Chinese Academy of Sciences, Shenyang, China		
10:50-11:20	A16	TBC Prof. Xiaoyan Li		
11:20-11:50	A17	NEW POLAR STRUCTURES IN FERROELECTRIC FILMS: FROM PREPARATION TO ATOM Prof. Yunlong Tang Chinese Academy of Sciences, Shenyang, China		
11:50-14:00		Lunch		
	<u> </u>	Date: October 26, 2019 PM		
	Chairn	nan: Professor Qing Chen (Session 7)		
14:00-14:30	A18	LOW-VOLTAGE STEM FOR 2D MATERIALS Prof. Wu Zhou University of Chinese Academy of Sciences, Beijing, China		
14:30-15:00	A19	APPLICATIONS OF MONOCHROMATED STEM EELS IN FERROELECTRIC MATERIALS AND DEVICES Prof. He Tian Zhejiang University, Hangzhou, China		
15:00-15:20		Coffee break		
	Chair	man: Professor Litao Sun (Session 8)		
15:20-15:50	A20	ATOMIC-PLANE RESOLVED ELECTRON MAGNETIC CIRCULAR DICHROISM BY CHROMATIC-ABERRATION-CORRECTED ELECTRON ENERGY LOSS SPECTROSCOPY Prof. Xiaoyan Zhong Tsinghua University, Beijing, China		
16:20-16:50	A21	ATOMIC-SCALE MECHANISM OF BRITTLENESS BEHAVIOR IN NANO-POROUS METAL MATERIALS Prof. Pan Liu Shanghai Jiaotong University, Shanghai, China		
	A22	ATOMIC RESOLUTION IN SITU EXPERIMENTS ACROSS WIDE TEMPERATURE AND STRESS Prof. Xiaodong Han Beijing University of Technology, Beijing, China		
16:50		Closing Remarks		



学术报告会 **BCEIA2019** Academic Conference **BCEIA 2019**



BCEIA2019 Schedule Of Sessions

SCHEDULE OF SESSIONS



MASS SPECTROMETRY

CHAIRMAN: Prof. Huwei LIU

ORAL LECTURES

Dates: Oct.25-26,2019 Location: Room 309B, China National Convention Center, Beijing

	Date: Oct. 25, 2019 AM (Friday)		
Topic: BioMS— "-omics"			
Chairma	an: Pr	of. Huiru TANG and Prof. Yasushi ISHIHAMA	
8:30-8:35		Opening Remarks	
8:35-9:00	B2	CHALLENGES TO ILLUMINATE HUMAN PROTEOME AND PROTEOFORM Yasushi ISHIHAMA (Keynote) Kyoto University, Kyoto, Japan	
9:00-9:25	В3	ANALYSIS OF BIOMOLECULES USING MASS SPECTROMETRY WITH ELECTRON TRANSFER DISSOCIATION Chien-Chen LAI (Keynote) National Chung Hsing University	
9:25-9:50	В4	QUANTITATING HUMAN METABONOMIC PHENOTYPES AND CHALLENGES Huiru TANG (Keynote) Fudan University	
9:50-10:05	B29	APPLICATION OF CYCLIC ION MOBILITY MASS SPECTROMETRY FOR HIGH PEAK CAPACITY SEPARATIONS OF NATIVE AND DEUTERATED PEPTIDE MIXTURE Steve PREECE Waters Corporation	
10:05-10:20	B30	DISCOVERY OF STEMNESS BIOMARKERS OF MCF-7 CANCER STEM CELLS USING QUALITATIVE SITE- AND STRUCTURE-SPECIFIC N-GLYCOPROTEOMICS Zhixin TIAN Tongji University	
10:20-10:30		Coffee Break	
		Topic: Fundamental I	
Cha	airman	: Prof. Zongxiu NIE and Prof. Wei HANG	
10:30-10:55	B5	LASER-BASED MASS SPECTROMETRY FOR HIGH RESOLUTION MASS SPECTROMETRY IMAGING Wei HANG (Keynote) Xiamen University	
10:55-11:20	В6	CHARACTERIZING AND MAPPING PARTICLES BY MASS SPECTROMETRY Zongxiu NIE (Keynote) Institute of Chemistry, Chinese Academy of Sciences	
11:20-11:45	В7	EXAMINATIONS ON CHEMICAL REACTIONS BY AMBIENT MASS SPECTROMETRY Na NA (Keynote) Beijing Normal University	
11:45-12:00	B31	APPLICATION OF ULTIVO MINIATURIZED MASS SPECTROMETRY IN RAPID SCREENING AND MOBILE DETECTION Jianzhong LI Agilent Technologies (China)	
12:00-13:30 Lunch Time/Poster Session			
	Т	ime: Oct. 25, 2019 PM (Friday)	
		Topic: MS Applications	
Chairr	nan: P	Prof. Qingsong Lin and Prof. Zhongping YAO	
13:30-13:55	B8	QUALITATIVE AND QUANTITATIVE ANALYSIS OF EDIBLE OILS BY MALDI-MS Zhongping YAO (Keynote) The Hong Kong Polytechnic University	

13:55-14:20	В9	DEVELOPMENT OF "VIRTUAL TANDEM MS" WITH SINGLE Q-MS FOR SCREENING TECHNIQUE IN MATERIAL QUALITY CONTROL Takahisa TSUGOSHI (Keynote) National Institute of Advanced Industrial Science and Technology
14:20-14:45	B10	MECHANISTIC ELUCIDATION OF ANTIMALARIAL AND ANTICANCER ACTIVITIES OF ARTEMISININ BY MASS SPECTROMETRY Qingsong LIN (Keynote) National University of Singapore
14:45-15:10	B11	PRECISE AND ACCURATE DETERMINATION OF ALL 54 MAJOR, MINOR AND TRACE ELEMENTS IN SILICATES INDEPENDENTLY BY LA-Q ICP- MS Zhongxing CHEN (Keynote) Harvard University
15:10-15:25	B32	SEQUENTIAL DETECTION OF ORGANIC AND INORGANIC COMPOUNDS IN MISCELLANEOUS SAMPLES BY MASS SPECTROMETRY Jiaquan XU East China Institute of Technology
15:25-15:40	B33	A POTENTIAL WORKING REFERENCE FOR LA-MC-ICP-MS CASSITERITE U-PB DATING Ruiping LIU Beijing Research Institute of Uranium Geology
15:40-16:00		Coffee Break
	Topi	c: Fundamental II
		Chairman:
Prof	. Yu B	Al and Prof. Ivan K. CHU
16:00-16:25	B12	PROTEIN TYROSINE NITRATION IN ISCHEMIC STROKE: FROM BIOANALYTICAL CHEMISTRY, TO BIOINFORMATICS, AND TO FUNDAMENTAL ELUCIDATION Ivan K. CHU (Keynote)
16:25-16:50	B13	REAL-TIME, DROPLET-SCALE MASS SPECTROMETRIC SCREENING PLATFORM FOR REACTION MECHANISM STUDIES Jie JIANG (Keynote) Harbin Institute of Technology at Weihai
16:50-17:15	B14	ULTRA-SENSITIVE DETECTION AND IMAGING OF CLINICAL BIOMARKERS USING AMBIENT MASS SPECTROMETRY Yu BAI (Keynote) Peking University
17:15-17:40	B15	AIR-WATER INTERFACE MASS SPECTROMETRY COMBINED WITH PHASED-ARRAY ACOUSTIC TWEEZERS Xinxing ZHANG (Keynote) Nankai University
		Transaction of the costs

Time	: Oct.	26, 2019 AM (Saturday)		
	Topic: BioMS			
Chairr		rof. Yinlong GUO and Prof. Kinrong ZHANG		
8:30-8:55	B16	LABEL-FREE MASS CYTOMETRY: METHOD AND APPLICATION Xinrong ZHANG (Keynote) Tsinghua University		
8:55-9:20	B17	PREOPERATIVE CLASSIFICATION OF THYROID NODULES USING MASS SPECTROMETRY IMAGING OF FINE NEEDLE ASPIRATION BIOPSIES Jialing ZHANG (Keynote) The University of Texas at Austin		
9:20-9:45	B18	SINGLE CELL "ON-PROBE" DERIVATIZATION: UNRAVELING CELLULAR HETEROGENEITY OF STEROL METABOLITES Yinlong GUO (Keynote) Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences		
9:45-10:00	B35	INNOVATIVE ION SOURCE TECHNOLOGY EXPANDS MASS SPECTROMETRY APPLICATIONS LI DENG Shimadzu (China) Co., Ltd.		
10:00-10:15	B36	EARLY DETECTION AND PREDICTION OF DIABETIC NEPHROPATHY BY URINARY PROTEIN AND METABOLITE BIOMARKERS Chao-Jung Chen China Medical University Hospital		
10:15-10:30		Coffee Break		
	Topic: Fundamental III			
Prof.	Cheng	Chairman: LIN and Prof. Han Bin OH		
10:30-10:55	B19	LC-MS/MS SOFTWARE FOR SCREENING UNKNOWN ERECTILE DYSFUNCTION DRUGS AND ANALOGS: ANN CLASSIFICATION AND HYBRID SIMILARITY SEARCH ALGORITHMS Han Bin OH (Keynote) Sogang University		
10:55-11:20	B20	PROBING STRUCTURE AND UNFOLDING OF A TRIMERIC COILED COIL IN THE GAS PHASE BY NATIVE TOP-DOWN MASS SPECTROMETRY Huilin LI (Keynote) Sun Yat-Sen University		
11:20-11:45	B21	THE DEVELOPMENT OF AN AUTOMATED GLYCAN SEQUENCER Cheng LIN (Keynote) Boston University School of Medicine		
11:45-12:00	B37	HOMOLOGOUS SERIES STRATEGY IN PETROCHEMISTRY STUDY USING ION MOBILITY MASS SPECTROMETRY Yehua HAN China University of Petroleum-Beijing		



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BCEIA2019 Schedule Of Sessions

12:00-13:30		Lunch time/Poster Session
Time	: Oct.	26, 2019 PM (Saturday)
То	pic: Bi	oMS "-omics"
		Chairman:
Prof. Lih	ua ZHA	ANG and Prof. Xiaohong QIAN
13:30-13:55	B22	THE DEVELOPMENT AND APPLICATION OF MASS SPECTROMETRY-BASED TECHNIQUES IN PROTEOMICS AND GLYCOPROTEIN STUDY Xiaohong QIAN (Keynote) Beijing Proteome Research Center
13:55-14:20	B23	MODIFICATION-FREE APPROACHES TO SCREEN DRUG TARGETS AT PROTEOME LEVEL Mingliang YE (Keynote) Dalian Institute of Chemical Physics, Chinese Academy of Sciences
14:20-14:45	B24	NEW METHODS FOR DEEP-COVERAGE ANALYSIS OF PROTEIN-PROTEIN INTERACTION BY CROSS-LINKING MASS SPECTROMETRY Lihua ZHANG (Keynote) Dalian Institute of Chemical Physics, Chinese Academy of Sciences
14:45-15:10	B25	SALMONELLA PROTEOMIC PROFILING DURING INFECTION DISTINGUISHES THE INTRACELLULAR ENVIRONMENT OF HOST CELLS Xiaoyun LIU (Keynote) Peking University Health Science Center

15:10-15:25	B38	TRAPPED ION MOBILITY ENHANCED 4-DIMENSIONAL PROTEOMICS AND SPATIALOMX Ning CHEN Bruker (Beijing) Scientific Technology Co., Ltd.
15:25-15:40	B39	Metabolomics-Proteomics Reveals Novel Functional Targets of Endogenous Compounds in Cancer Metabolism Hui YE China Pharmaceutical University
15:40-16:00		Coffee Break
To	pic: E	BioMS "omics"
Chair: P	rof. Yu	u XIA and Prof. Gavin REID
16:00-16:25	B26	TOWARD UNDERSTANDING THE FUNCTIONAL ROLE OF ABBERRANT LIPID METABOLISM IN COLORECTAL CANCER BY ADVANCED MASS SPECTROMETRY BASED LIPIDOMIC ANALYSIS Gavin E. REID (Keynote) The University of Melbourne
16:25-16:50	B27	ANALYSIS OF ETHER GLYCEROPHOSPHOLIPIDS DOWN TO C=C LOCATIONS Yu XIA (Keynote) Tsinghua University
16:50-17:15	B28	MASS SPECTROMETRY FOR ANALYSIS OF NUCLEIC ACID MODIFICATIONS Bifeng YUAN (Keynote) Wuhan University
17:15-17:30	/	Poster Awards/Closing Remarks Chair: Prof. Huwei LIU



SCHEDULE OF SESSIONS



OPTICAL SPECTROSCOPY

CHAIRMAN: Prof. He Yan

ORAL LECTURES

Dates: Oct.25-26,2019 Location: Room 310, China National Convention Center, Beijing

		Date: October 25, 2019 AM		
Chairman: Yan He \ Wenwan Zhong				
8:30-8:55	C2	SURFACE PLASMON RESONANCE IMAGING FOR FINGERPRINTING ANALYSIS YI Chen Institute of Chemistry, Chinese Academy of Sciences		
8:55-9:20	C3	VARIOUS WAVELENGTH-DEPENDENT PLASMONIC SCATTERING ILLUMINATION-BASED 3D SUPER-RESOLUTION MICROSCOPY Seong Ho Kang Kyung Hee University		
9:20-9:45	C4	FREE-STANDING 2D PLASMONIC NANOASSEMBLIES Wenlong Cheng Monash University		
9:45-10:00	C5	ABN QD-BASED VISUAL ELECTROCHEMILUMINESCENCE NANOSENSORS WITH AMPLIFIED SURFACE PLASMON COUPLING STRATEGY FOR GENE DETECTION Qiang Ma Jilin University		
10:00-10:20		Coffee break		
	Ch	airman: Yi Chen \ Seong Ho Kang		
10:20-10:45	C6	CHEMILUMINESCENCE OF PEROXYNITROUS ACID AND ITS APPLICATION IN ANALYTICAL CHEMISTRY Jin-Ming Lin Tsinghua University		
10:45-11:10	C7	DROPLET ENHANCED FLUORESCENCE AND ITS APPLICATION TO BIO-ANALYSIS Katsumi Uchiyama Tokyo Metropolitan University		
11:10-11:35	C8	FLUORESCENCE DISPLACEMENT ASSAY FOR ANALYSIS OF PROTEIN MODIFICATION Wenwan Zhong University of California		
11:35-11:50	C9	GOLD NANOBIPYRAMIDS@ZIF-8 FOR HYDROGEN SULFIDE GAS SENSING: A SPECIAL SERS RESPONSE AT THE LOW WAVENUMBER Longhua Guo Fuzhou University		
11:50-12:05	C10	SPECTRAL SOLUTION FOR MICROPLASTIC AND EXTRANEOUS MATTER ANALYSIS Wei Zheng Shimadzu Corporation		
12:05-13:30		Lunch		
		Date: October 25, 2019 PM		
	С	hairman: Max Lei Geng \ Fan Xia		
13:30-13:55	C11	ULTRASENSITIVE NON-LABEL DETECTION METHOD FOR NANOFLUIDICS USING NANOCHANNEL OPTICAL DIFFRACTION Kazuma Mawatari The University of Tokyo		
13:55-14:20	C12	Quantitative Analysis of Protein Dynamics and Interactions by Live-Cell Single-Molecule Fluorescence Microscopy Xiaohong Fang Institute of Chemistry, Chinese Academy of Sciences		
14:20-14:45	C13	FLUORESCENT BIOSENSORS BASED ON SINGLE-MOLECULE COUNTING Chun-yang Zhang Shandong Normal University		
		INTERACELLULA DE DAMANA MOCEDENCEALED DAVOINOLE SASTICALE		

INTRACELLULAR DYNAMICS REVEALED BY SINGLE-PARTICLE

TRACKING Hui Li

Beijing Normal University

14:45-15:00

C14

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学术报告会 BCEIA2019 Academic Conference



BCEIA2019 Schedule Of Sessions

15:00-15:15	C15	INSTRUMENT INNOVATION OF FLUORESCENCE TRIPLET CORRELATION SPECTROSCOPY AND ITS APPLICATIONS Chaoqing Dong Shanghai Jiao Tong University	
15:15-15:35		Coffee break	
Chai	rman: Hu	an-Tsung Chang \ Xiaohong Fang	
14:45-15:10	C16	SPECTROSCOPY THROUGH A MICROSCOPE: PROBING HETEROGENEITY IN NANOPOROUS SILICA PARTICLES Max Lei Geng University of lowa	
16:00-16:25	C17	SINGLE MOLECULE STUDY OF HETEROGENEOUS CATALYSIS IN NANOCONFINING MATERIAL Ning Fang Georgia State University	
16:25-16:50	C18	ANALYSIS AND DETECTION BASED ON SOLID NANOPORE/CHANNEL Fan Xia China University of Geosciences	
16:50-17:05	C19	PREPARATION AND PROPERTIES OF SURFACE ENHANCED RAMAN SPECTROSCOPIC ACTIVE SUBSTRATES Jian-Wei Zhao Jiaxing University	
17:05-17:20	C20	ENDOPLASMIC RETICULUM- TARGETABLE RATIOMETRIC TIME-GATED LUMINESCENCE PROBE FOR SUPEROXIDE ANION BASED ON LANTHANIDE COMPLEXES Bo Song Dalian University of Technology	
	Date:	October 26, 2019 AM	
Chairn	nan: Ni	ng Fang \ Chun-yang Zhang	
8:30-8:55	C21	DESIGN AND SYNTHESIS OF FLUORESCENT PROBES BASED ON POLYARGININES Sichun Zhang Tsinghua University	
8:55-9:20	C22	DEVELOPMENTS OF METAL COMPLEX- BASED ORGANELLE TARGETABLE LUMINESCENT PROBES FOR TIME-GATED LUMINESCENCE BIOASSAYS Jingli Yuan Dalian University of Technology	
9:20-9:45	C23	FLUORESCENT BIOSENSORS FOR METAL DETECTION USING DNAZYMES Juewen Liu University of Waterloo	
9:45-10:00	C24	COLORIMETRIC METAL ION SENSORS BASED ON THE PARTITION OF METAL COMPLEXES INTO POLYMERIC HYDROGELS: APPLICATION IN COMPLEX MATRIXES Cesar Alfredo Barbero Universidad Nacional de Río Cuarto	
10:00-10:20		Coffee break	
Cha	irman: I	⊣ua−Zhong Yu \ Juewen Liu	
10:20-10:45	C25	BIOMEDICAL APPLICATIONS OF FLUORESCENT NANOMATERIALS Huan-Tsung Chang National Taiwan University	

10:45-11:10	C26	SENSITIVE DETECTON OF NUCLEIC ACID AND PROTEIN BIOMARKERS WITH LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) Zhengping Li University of Science and Technology Beijing
11:10-11:35	C27	G-QUADRUPLEX-BASED BIOIMAGING Zhou Nie Hunan University
11:35-11:50	C28	FLUORESCENCE IMAGING OF SUBCELLULAR STRUCTURES VIA MOLECULAR AND NANOSCALE PROBES Fu-Gen Wu Southeast University
11:50-12:05	C29	MAKING AN IMPACT THROUGH PUBLISHING: EDITOR TIPS FROM ANALYST AND THE ROYAL SOCIETY OF CHEMISTRY Jeanne Andres Royal Society of Chemistry
12:05-13:30		Lunch
	Date:	October 26, 2019 PM
Cha		: Xi Chen \ Xiandeng Hou
13:30-13:55	C30	MOBILE ELECTRONICS AS QUANTITATIVE POINT- OF-CARE DIAGNOSTIC TOOLS: FROM OPTICAL DISC READING TO SMARTPHONE IMAGING Hua-Zhong Yu Simon Fraser University
13:55-14:20	C31	IN SITU ANALYSIS OF NANOASSEMBLIES UNDER DYNAMICS STATUS Tie Wang Institute of Chemistry, Chinese Academy of Sciences
14:20-14:45	C32	WATCHING THE ELECTRON TRANSFER OF SINGLE NANOPARTICLES OPTICALLY Wei Wang Nanjing University
14:45-15:00	C33	SEPARATION-FREE DIFFERENTIATION OF ANALOGUES BY FLUORESCENT SENSOR ARRAY Zhiqin Yuan Beijing University of Chemical Technology
15:00-15:20		Coffee break
Cl	nairma	n: Wei Wang \ Tie Wang
15:20-15:45	C34	HIGH EFFICIENCY MICROPLASMA SPECTROCHEMISTRY Xiandeng Hou SiChuan University
15:45-16:10	C35	WAVELENGTH-SHIFT BASED COLORIMETRIC SENSING USING CSPBBR3 PEROVSKITE NANOCRYSTALS Xi Chen Xiamen University
16:10-16:25	C36	INTEGRATED SMARTPHONE-APP-CHIP SYSTEM FOR ON-SITE PPB-LEVEL COLORIMETRIC QUANTITATION OF AFLATOXINS Li Xiaochun Taiyuan University of Technology
16:25-16:40	C37	DEVELOPMENT OF PHOTOLUMINESCENCE AND ELECTROCHEMILUMINESCENCE DUAL- SIGNALING PROBES BASED-ON TRANSITION METAL COMPLEXES Wenzhu Zhang Dalian University of Technology
16:40-16:55	C38	TEMPORAL AND SPATIAL DNA IN ANALYTICAL CHEMISTRY Xin Su Beijing University of Chemical Technology
16:55-17:10	C39	SERS ANALYSIS BASED ON NONMETALLIC COMPOSITE NANOMATERIALS Tingting Zheng East China Normal University
17:10-17:20		Poster Award

SCHEDULE OF SESSIONS



CHROMATOGRAPHY

CHAIRMAN:

Prof. Lihua Zhang

ORAL LECTURES

Dates: Oct.25-26,2019 Location: Room 311A, China National Convention Center,

Beijing

Date: Oct. 25, 2019 AM (Friday) Chairman: Prof. Gérard Hopfgartner and Prof. Antje J. Baeumner MODIFIER ASSISTED DIFFERENTIAL MOBILITY SPECTROMETRY FOR HIGH THROUGHPUT QUANTIFICATION AND MULTIDIMENSIONAL 09:00-09:20 D2 ANALYSIS Gérard Hopfgartner (Keynote) University of Geneva, Switzerland NANOMATERIALS FOR A LAB-ON-A-CHIP INCLUDING SEPARATION, MIXING AND DETECTION 09:20-09:40 Antje J. Baeumner (Keynote) University of Regensburg, Germany ASSESSING VITAMIN D STATUS - ANALYTICAL CHALLENGES AND ACCOMPLISHMENTS 09:40-10:00 Stephen A. Wise (Keynote) National Institutes of Health, USA INTRODUCTION AND CASE SHARING OF INTELLIGENT DATA ANALYSIS METHOD FOR LIQUID CHROMATOGRAPHY 10:00-10:20 Hongrui Yin SHIMADZU (China) Co., Ltd. Chairman: Prof. Adam T. Woolley and Prof. Steffen Pauly 3D PRINTED MICROFLUIDIC SYSTEMS FOR BIOMARKER ANALYSIS 10:30-10:50 Adam T. Woolley (Keynote) Brigham Young University, USA PUBLISHING ANALYTICAL SCIENCE WITH SPRINGER NATURE Steffen Pauly (Keynote) 10:50-11:10 Springer Nature, Germany ABCS OF PUBLISHING: TIPS FOR GETTING YOUR MANUSCRIPT ACCEPTED 11:10-12:00 Adam T. Woolley (Keynote) Brigham Young University, USA Date: Oct. 25, 2019 PM (Friday) Chairman: Prof. Gongke Li and Prof. Yi Chen SAMPLE PREPARATION METHODS BASED ON MICROPOROUS ORGANIC POLYMERS IN CHROMATOGRAPHIC ANALYSIS D8 13:30-13:50 Gongke Li (Keynote) Sun Yat-sen University, China HEMOGLOBIN CE FOR SCREENING OF ANEMIA 13:50-14:10 Yi Chen (Keynote) Institute of Chemistry, Chinese Academy of Sciences, China MULTIPLE MODES CAPILLARY ELECTROPHORESIS: THE EFFICIENT TECHNOLOGY FOR APTAMERS SELECTION 14:10-14:30 D10 Feng Qu (Keynote) Beijing Institute of Technology, China MOLECULAR EVOLUTION FOR LIQUID BIOPSY 14:30-14:50 Chaoyong James YANG (Keynote) Xiamen University, China STIMULI-RESPONSIVE POLYMER ENZYME REACTORS FOR SCREENING DAAO INHIBITORS WITH CHIRAL CAPILLARY D12 14:50-15:10 ELECTROPHORESIS TECHNIQUE Li Qi (Keynote) Institute of Chemistry, Chinese Academy of Sciences, China IMMOBILIZED GPCR: A RELIABLE PLATFORM FOR DRUGGABILITY EVALUATION OF BIOACTIVE COMPOUNDS THROUGH BINDING 15:10-15:30 INTEACTION ANALYSIS Xinfeng Zhao (Invited)

Northwest University, China



学术报告会 **BCEIA2019** Academic Conference **BCEIA 2019**



BCEIA2019 Schedule Of Sessions

15:30-15:50	D14	HIGHLY EFFICIENT AUTOMATED SAMPLE PREPARATION SOLUTIONS FOR GC/MS AND LC/MS IN FOOD SAFETY FIELD Yunyun Nie GERSTEL (Shanghai) Co. Ltd
Chairmar	n: Prof.	Huwei Liu and Prof. Guowang Xu
16:00-16:20	D15	A NOVEL ONLINE SFC/HPLC TWO DIMENSIONAL METHOD FOR LIPID PROFILING Huwei Liu (Keynote) Peking University, China
16:20-16:40	D16	A NOVEL ANALYTICAL METHOD FOR QUANTITATIVE ANALYSIS OF OVER 1,000 METABOLITES BASED ON TWO-DIMENSIONAL LC-MS Guowang Xu (Keynote) Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China
16:40-17:00	D17	ULTRASENSITIVE DETERMINATION OF MODIFIED NUCLEOTIDES BY SHEATHLESS INTERFACED CAPILLARY ELECTROPHORESIS-TANDEM MASS SPECTROMETRY Xinxiang Zhang (Keynote) Peking University, China
17:00-17:20	D18	PREPARATION AND CHARACTEIRZATION OF PEPTIDE-GUIDED CONJUGATE FOR IN VIVO IMAGING AND TUMOR INHIBITION Rui Zhao (Keynote) Institute of Chemistry, Chinese Academy of Sciences, China
17:20-17:40	D19	ISOLATION AND PURIFICATION OF ALKALOIDS FROM FRUITS OF MACLEAYA CORATA BY IONIC-LIQUID-MODIFIED HSCCC Yun Wei (Keynote) Beijing University of Chemical Technology, China
17:40-18:00	D20	CONSTANT PERFORMANCE HPLC DEGASSING Saba Jazeeli IDEX Health & Science
Da	te: Oct.	26, 2019 AM(Saturday)
Prof. I	Lingjun	Chairman: Li and Prof. Weiguo Andy Tao
09:00-09:20	D21	DEVELOPING IMPROVED STRATEGIES FOR SELECTIVE ENRICHMENT AND LARGE-SCALE PROFILING OF PEPTIDES WITH MULTIPLE PTMS Lingjun Li (Keynote) University of Wisconsin-Madison, USA
09:20-09:40	D22	EXTRACELLULAR VESICLE-BASED DISEASE BIOMARKERS: PROMISE AND CHALLENGES Weiguo Andy Tao (Keynote) Purdue University, USA
09:40-10:00	D23	PROFILING OF DNA MODIFICATIONS FOR EPIGENETICS Hailin Wang (Keynote) Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China
10:00-10:20	D24	SYNTHESIS AND PURIFICATION OF FUNCTIONAL PROTEIN-DNA CONJUGATES WITH 1:1 STOICHIOMETRY Xiaowen Yan (Keynote) Xiamen University, China

Prof. Mye	ong He	Chairman: e Moon and Prof. Yongchien Ling
10:30-10:50	D25	ISOTOPE-LABELED METHYLATION FOR THE RESOLUTION ENHANCEMENT AND RELATIVE QUANTIFICATION OF POLYGLYCEROPHOSPHOLIPIDS BY NUHPLC-ESI-MS/MS Myeong Hee Moon (Keynote) Yonsei University, Korea
10:50-11:10	D26	ANALYTICAL SEPARATION AND CHARACTERIZATION OF CARBON QUANTUM DOTS Yongchien Ling (Keynote) National Tsing Hua University
11:10-11:30	D27	APPLICATION OF NANOELECTRODES IN ANALYTICAL CHEMISTRY Jingyuan Chen (Keynote) University of Fukui, Japan
11:30-11:50	D28	AGILENT INTELLIGENT GC - 8890 GC Jinqiang Zhang Agilent Technology
Dat	e: Oct.	26, 2019 PM(Saturday)
Prof.	Xiayan	Chairman: Wang and Prof. Yong Wang
13:30-13:50	D29	MACHINE VISION ASSISTED FOCUSING FOR HIGHLY SENSITIVE LASER-INDUCED FLUORESCENCE DETECTION OF NANOCAPILLARIES Xiayan Wang (Keynote) Beijing University of Technology, China
13:50-14:10	D30	FUNCTIONALITY TUNING OF STRUCTURALLY WELL-DEFINED CYCLODEXTRIN CHIRAL SEPARATION PHASES Yong Wang (Keynote) Tianjin University, China
14:10-14:30	D31	PREPARATION OF MAGNETIC COVALENT ORGANIC POLYMER AND MESOPOROUS CARBON Chaozhan Wang (Invited) Northwest University, China
14:30-14:45	D32	INTEGRATION OF MOLECULAR RECOGNITION WITH TOPOLOGICAL INTERACTIONS FOR SEPARATING CIRCULATING TUMOR CELLS FROM CLINICAL SAMPLES Yanyan Huang (Invited) Institute of Chemistry, Chinese Academy of Sciences, China
14:45-15:00	D33	NEW FRAGMENT ION-BASED QUANTITATION METHODS FOR ACCURATE PROTEOME ANALYSIS Jianhui Liu Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China
15:00-15:15	D34	DETERMINATION OF SALIVARY AND SERUM GLYCATED ALBUMIN BY AGAROSE- BORONIC ACID FUNCTIONALIZED CAPILLARY ELECTROPHORESIS Ghulam Murtaza Beijing Institute of Technology, China

SCHEDULE OF SESSIONS

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MAGNETIC RESONANCE

CHAIRMAN:

Prof. Maili LIU

ORAL LECTURES

Dates: Oct.25-26,2019 Location: Room 306A, China National Convention Center,

Beijing

	Date: Oct. 25, 2019 (AM)				
8:25-8:30 Opening Speech by Prof. Maili LIU					
	Chairman:Prof. Shenlin WANG				
8:30-8:55	E2	DYNAMIC PROTEIN-PROTEIN INTERACTIONS AT THE MEMBRANE INTERFACE BY NMR Ayyalusamy (Rams) Ramamoorthy (Keynote) University of Michigan			
8:55-9:20	E3	INHIBITION OF AMYLOID SELF-ASSEMBLY BY LIQUID-LIQUID PHASE SEPARATION Bernd Reif (Keynote) Helmholtz-Zentrum München (HMGU)			
9:20-9:45	E4	THE POWER OF PROTON-DETECTED SOLID-STATE NMR METHODS: STRUCTURAL STUDIES OF NUCLEOSOMES AND CYTOSKELETON PROTEINS ShengQi XIANG(Keynote) University of Science and Technology of China			
9:45-10:05	E20	NOVEL SSNMR-BASED METHODOLOGY TOWARDS RNA STRUCTURE STUDY Sha ZHAO Peking University			
10:05-10:25		Coffee Break			
		Chairman: Prof. Guangjin HOU			
10:25-10:50	E5	TO BE DECIDED Hartmut Oschkinat(Keynote) Free University of Berlin			
10:50-11:15	E6	SOLID-STATE NMR STUDIES OF SEVEN-TRANSMEMBRANE ION-PUMPING RHODOPSIN AND SELF-ASSEMBLED PEPTIDE Izuru Kawamura(Keynote) Yokohama National University			
11:15-11:40	E7	PROGRESS OF THE STRUCTURAL CHARACTERIZATION ON A EUKARYOTIC RHODOPSIN BY SOLID-STATE NMR Shenlin WANG(Keynote) Peking University			
11:40-12:00	E21	EXPLORING (MEMBRANE) PROTEIN STRUCTURES BY DNP- ENHANCED METHYL SSNMR SPECTROSCOPY Jiafei MAO Goethe University of Frankfurt am Main			
		Date: Oct. 25, 2019 PM			
		Chairman: Prof. Conggang LI			
14:00-14:25	E8	A RAPID QUANTITATIVE 1H NMR METHOD FOR LARGE COHORT METABOLIC FLUXOMICS WITH UNAMBIGUOUS IDENTIFICATION OF ALL 13C-LABELED METABOLITES AND LABELING CITES Huiru TANG (Keynote) Zhongshan Hospital & School of Life Sciences, Fudan University			
14:25-14:50	E9	NMR-BASED METABONOMICS IN HBV INFECTION Yulan Wang (Keynote) Nanyang Technological University			
14:50-15:15	E10	NMR METHODOLOGIES AND WATER COMPATIBLE WEAK CHIRAL ALIGNING MEDIA FOR ENANTIOMERIC DISCRIMINATION N. Suryaprakash (Keynote) NMR Research Centre, Indian Institute of Science			
15:15-15:40	E11	RECENT ADVANCED APPROACHES AND APPLICATIONS OF QNMR Ting HUANG (Keynote) National Institute of Metrology			
15:40-16:00		Coffee Break			

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BCEIA2019 Schedule Of Sessions

Chairman: Prof. ShengQi XIANG			
16:00-16:25	E12	SIZE AND MORPHOLOGY CONTROL OF BONE-RELEVANT HYDROXYAPATITE NANOCRYSTALS AND CHARACTERIZATION WITH SOLID NMR, XRD, IR, SEM Shangwu DING (Keynote) National Sun Yat-sen University	
16:25-16:50	E13	HETERONUCLEAR DIPOLAR RECOUPLING METHODOLOGY DEVELOPMENT AND APPLICATION IN MAS NMR SPECTROSCOPY Guangjin HOU (Keynote) Dalian Institute of Chemical Physics	
16:50-17:10	E22	MOLECULAR CHARACTERIZATION OF PHARMACEUTICAL PRODUCTS BY ULTRAFAST MAGIC-ANGLE SPINNING NMR Xingyu LU Westlake University	
17:10-17:30	E23	NOVEL SOLID-STATE NMR METHODS FOR STRUCTURE AND DYNAMICINFORMATION IN BIOSOLIDS Kai XUE Max-Planck Institute for Biophysical Chemistry	
Date: Oct. 26, 2019 (AM)			
Chairman: Prof. Chunyang CAO			
8:30-8:55	E14	STRUCTURAL AND FUNCTIONAL STUDIES OF THE PHOSPHORYLATED SYNUCLEIN IN VITRO AND IN CELLS BY NMR SPECTROSCOPY Conggang LI (Keynote) Wuhan Institute of Physics and Mathematics	
8:55-9:20	E15	3D STRUCTURAL DETERMINATION OF UNSTABLE ENZYMATIC INTERMEDIATE COMPLEX VIA PARAMAGNETIC TAGGING XunCheng SU (Keynote) Nankai University	
9:20-9:40	E24	UNDERSTANDING THE MOLECULAR BASIS OF EPIGENTIC MECHANISMS BY NMR YI ZHANG University of Colorado School of Medicine	
9:40-10:00	E25	MONITORING OF CHOLINE PHOSPHORYLATION IN INTACT CELLS BY NMR Xin CHAI Wuhan Institute of Physics and Mathematics	
10:00-10:20		Coffee Break	
	Chairr	man: Prof. Qi ZHANG	
10:20-10:45	E16	CHARACTERIZATION OF RESIDUE SPECIFIC PROTEIN CONFORMATIONAL DYNAMICS IN CELLS Lishan YAO (Keynote) Qingdao Institue of Bioenergy and Bioprocess Technology	

10:45-11:10	E17	INTRINSIC SLOW DYNAMICS OF RAS PROBED BY RELAXATION-BASED NMR SPECTROSCOPY Dong LONG (Keynote) University of Science and Technology of China			
11:10-11:30	E26	DNA BINDING MECHANISM OF THE C-CLAMP TYPE ZINC FINGER PROTEINS Bo DUAN Peking University			
	Date: Oct. 26, 2019 PM				
Chairman: Prof. Lishan YAO					
14:00-14:25	E18	VISUALIZING TRANSIENT REGULATORY STATES IN RNA RIBOSWITCHES Qi ZHANG (Keynote) University of North Carolina at Chapel Hill			
14:25-14:50	E19	MECHANISTIC STUDIES ON HUMAN APOBEC3 FAMILY MEMBERS CATALYZED DEAMINATION OF CYTIDINES IN DNA BY NUCLEAR MAGNETIC RESONANCE Chunyang CAO (Keynote) Shanghai Institute of Organic Chemistry			
14:50-15:10	E27	THE CONFORMATION OF CYTOCHROME C - A ROS SCAVENGER IN MITOCHONDRIA Jianhua ZHAN Wuhan Institute of Physics and Mathematics			

SCHEDULE OF SESSIONS



ELECTROANALYTICAL CHEMISTRY

CHAIRMAN: Prof. Jinghong Li

ORAL LECTURES

Dates: Oct.25-26,2019 Location: Room 306B, China National Convention Center,

Beijing

Date: Oct. 25, 2019 AM (Friday)				
Chairmen:				
Prof.	Taek	Dong CHUNG and Prof. Nongjian TAO		
8:25-8:30		Opening Remarks by Xiurong YANG		
8:30-8:55	F2	A STUDY OF NANOZYMES Erkang WANG (Keynote) State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Jilin 130022, Changchun, China		
8:55-9:20	F3	A MINIATURE TEST CELL FOR HYDROGEN FUEL CELLS AND RELATED POLYMER ELECTROLYTE MEMBRANE (PEM) DEVICES Stephen CREAGER (Keynote) Department of Chemistry, Clemson University, Clemson, South Carolina, USA		
9:20-9:45	F4	IN VIVO ELECTROCHEMICAL MONITORING OF VITAMIN C Langun MAO (Keynote) Beijing National Laboratory for Molecular Sciences, Key Laboratory of Analytical Chemistry for Living Biosystems, Institute of Chemistry, Chinese Academy of Sciences (CAS), Beijing 100190, China.		
∂:45-10:10	F5	NOVEL ELECTROCHEMICAL BIOSENSOR WITH DUAL SIGNAL OUTPUTS FOR IN VIVO ANALYSIS IN BRAIN Yang TIAN (Keynote) Department of Chemistry, School of Chemistry and Molecular Engineering, East China Normal. University, Dongchuan Road 500, Shanghai 200241, P. R. China		
0:10-10:25		Coffee Break		
Chairma	n: Prof	. Stephen CREAGER and Prof. Shaojun GUO		
0:25-10:50	F6	SINGLE-ATOM NANOZYMES Shaojun DONG (Keynote) State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, Jilin 130022, China.		
0:50-11:15	F7	3D INTEGRATED ELECTRODE ARRAY OF FUNCTIONALIZED INDIUM TIN OXIDE FOR ELECTROCHEMICAL SIGNAL AMPLIFICATION Taek Dong CHUNG (Keynote) Department of Chemistry, Seoul National University, Seoul 08826, Korea		
1:15-11:40	F8	MEASURING PROTEIN BINDING WITH PLASMONIC IMAGING OF NANO-OSCILLATORS Nongjian TAO (Keynote) Biodesign Center for Bioelectronics and Biosensors, Arizona State University, Tempe, AZ 85287, USA2School of Electrical, Computer and Energy Engineering, Arizona State University, Tempe, AZ 85287		
1:40-12:05	F9	STRAIN ELECTROCATALYSIS AND ELECTROANALYSIS Shaojun GUO (Keynote) College of Engineering, Peking University		
Date: Oct. 25, 2019 PM (Friday)				
С		n:Prof. Neso SOJIC and Prof. Hua CUI		
3:30-13:55	F10	PLASMON ENHANCED IR SPECTROSCOPY AND ELECTROCHEMISTRY Xinghua XIA (Keynote) State Key Laboratory of Analytical Chemistry for Life Science, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210023, China		

GAS CHROMATOGRAPHY IN THE STUDY OF CO2 CONVERSION

Dept. of Chemical and Materials Engineering, University of Alberta, Edmonton, Alberta, Canada T6G 1H9

Jing-Li LUO (Keynote)

13:55-14:20

学术报告会 BCEIA2019 Academic Conference



BCEIA2019 Schedule Of Sessions

14:20-14:45	F12	SINGLE NANOPARTICLE DARK-FIELD AND ELECTROCHEMILUMINSCENCE IMAGING Jing-Juan XU (Keynote) State Key Laboratory of Analytical Chemistry for Life Science, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210023, China
14:45-15:05	F13	RESEARCH ON THE DELIVERY OF PROTEINS TO LIVING CELLS USING DNA PROGRAMMED MEMBRANE FUSION Di LI (Invited) School of Chemistry and Molecular Engineering, East China Normal University, 200241, Shanghai, China
15:05-15:25	F14	ENGINEERED BIOLOGICAL NANOPROBES FOR IDENTIFYING SINGLE MOLECULE TARGETS Shuo Huang (Invited) Nanjing University
15:25-15:35		Coffee Break
		Chairman:
Prof.	Jingli L	.UO and Prof. Xinghua XIA
15:35-16:00	F15	ELECTROCHEMICAL CATALYTIC PROBES FOR AMPLIFIED BIOSENSING Huangxian JU (Keynote) State Key Laboratory of Analytical Chemistry for Life Science, Department of Chemistry, Nanjing University, Nanjing 210093, P. R. China
16:00-16:25	F16	SURFACE-CONFINED ELECTROCHEMILUMINESCENCE: FROM BEAD-BASED IMMUNOASSAYS TO CELL MICROSCOPY Neso SOJIC (Keynote) University of Bordeaux, Bordeaux INP, ISM, UMR CNRS 5255, Pessac, France
16:25-16:50	F17	POTENTIAL-RESOLVED MULTICOLOR ELECTROCHEILUMINESCENCE OF NANOCOMPOSITES Hua CUI (Keynote) CAS Key Laboratory of Soft Matter Chemistry, iChEM (Collaborative Innovation Center of Chemistry for Energy Materials), Department of Chemistry, University of Science and Technology of China, Hefei, Anhui 230026, China
16:50-17:10	F18	ELECTROCHEMILUMINESCENCE MULTIPLEXED IMMUNOASSAY BASED ON MOLECULAR COMPLEXES AND QUANTUM DOTS Bin SU (Invited) Department of Chemistry, Zhejiang University, Hangzhou 310058, China
17:10-17:30	F19	PEPTIDE COMPOSITION ADJUST ITS ELECTRON TRANSPORT Cunlan GUO (Invited) Key Laboratory of Analytical Chemistry for Biology and Medicine (Ministry of Education), College of Chemistry and Molecular Sciences, Wuhan University, Wuhan, P. R. China. 430072

Date: Oct. 26, 2019 AM (Saturday)			
Chairman: Prof. Shaowei CHEN and Prof. Yuanhua SHAO			
8:30-8:55	F20	HETERO-INTERFACE ENGINEERING OF MATAL AND METAL COMPOUNDS AND THEIR APPLICATIONS IN ELECTROCATALYSIS Xiurong YANG (Keynote) State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, Jilin, China.	
8:55-9:20	F21	CARBON BASED BIOSENSORS AND BIOELECTRONICS Madoka TAKAI (Keynote) Department of Bioengineering, School of Engineering, The University of Tokyo,113-8656, Tokyo, Japan	
9:20-9:45	F22	SPECTROELECTROANALYSIS FOR SENSITIVE BIOSENSING AND ELECTROCHEMICAL REACTION STUDY Baohong LIU (Keynote) Department of Chemistry, Fudan University, Shanghai 200433, China	
9:45-10:10	F23	CROSSLINKED POLYMERIC HYDROGELS AS BIPHASIC SYSTEMS FOR ELECTROANALYTICAL APPLICATIONS Cesar A. BARBERO (Keynote) Research Institute of Energy Technology and Advanced Materials (UNRC-CONICET) - Campus of Universidad Nacional de Rio Cuarto, Ruta 8, km 601, 5800, Rio Cuarto, Argentina.	
10:10-10:25		Coffee Break	
Chairm		of. Madoka TAKAI and Prof. sar A. BARBERO	
10:25-10:50	F24	FABRICATIN AND APPLICATION OF DUAL ULTRAMICROELECTRODES Yuanhua SHAO (Keynote) College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China	
10:50-11:15	F25	CABON-BASED FUNCTIONAL NANOMATERIALS FOR ELECTROCHEMICAL ENERGY TECHNOLOGIES Shaowei CHEN (Keynote) Department of Chemistry and Biochemistry, University of California, 1156 High Street, Santa Cruz, CA 95064, USA.	
11:15-11:35	F26	SELF-POWERED ELECTRONICS FOR SENSING Zhou LI (Invited) Beijing Institute of Nanoenergy and Nanosystems, CAS, Beijing 100083, China	
11:35-11:55	F27	DYNAMICAL INTERACTIONS OF NANOMATERIALS WITH CELLS Xiue JIANG (Invited) State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, Jilin, China	

11:55-12:10	F28	EXPLORING DYNAMIC NATURE OF SINGLE NANOPARTICLE ELECTROCHEMISTRY Hui MA (Oral) State Key Laboratory of Analytical Chemistry for Life Science, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing, 210023, China
Date	e: Oct.	26, 2019 PM (Saturday)
Chairm		of. Hongda WANG and Prof. rlos M. PEREIRA
13:30-13:55	F29	THE PERFORMANCE IMPROVEMENT AND ANALYTICAL APPLICATION EXPANSIONS OF BIOFUEL CELL Jun-Jie ZHU (Keynote) School of Chemistry and Chemical Engineering, State Key Laboratory of Analytical Chemistry for Life Science, Nanjing University, Nanjing, China
13:55-14:20	F30	ELECTROCHEMICAL SENSING AT NANO CONFINED SPACE Yitao LONG (Keynote) State Key Laboratory of Analytical Chemistry for Life Science, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210023, P. R. China
14:20-14:40	F31	CONSTRUCTION AND APPLICATION OF ELECTROCHEMILUMINESCENCE APTASENSORS USING ELECTRICALLY HEATED ELECTRODE FOR IN SITU TEMPERATURE CONTROL Zhenyu LIN (Invited) MOE Key Laboratory for Analytical Science of Food Safety and Biology, Fujian Provincial Key Laboratory of Analysis and Detection Technology for Food Safety, College of Chemistry, Fuzhou University, Fuzhou, Fujian, 350116, China
14:40-15:00	F32	QUANTITATIVE MEASUREMENTS OF INDIVIDUAL VESICULAR CONTENTS IN SINGLE CELLS WITH INTRACELLULAR VESICLE IMPACT ELECTROCHEMICAL CYTOMETRY Xianchan LI (Invited) Center for Imaging and Systems Biology, College of Life and Environmental Sciences, Minzu University of China, Beijing 100081
15:00-15:20	F33	EFFICEIENT SCREENING AND CATALYSIS OF ECS BASED ON ELECTROCHEMICAL APPROACHES WITH NANO-INTERFACE SELECTIVE EFFECT Ying WANG (Invited)
		Tongji Univeristy

Chairman:				
Prof.	Prof. Junjie ZHU nd Prof. Yitao LONG			
		STUDYING THE STRUCTURE OF CELL MEMBRANES BY SINGLE MOLECULE APPROACHES		
15:30-15:55	F34	Hongda WANG (Keynote) State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, 5625 Renmin Street, Changchun, Jilin 130022, P.R.ChinaHIGH		
15:55-16:15	F35	ELECTROCHEMICAL BIOSENSORS BASED ON MOLECULARLY IMPRINTED POLYMERS AS BIORECOGNITION ELEMENT Carlos M. PEREIRA (Invited) CIQUP - Physical Analytical Chemistry and Electrochemistry group, Departamento de Química e Bioquímica, Porto University, Rua do Campo Alegre 687, 4169 - 007 Porto, Portugal		
16:15-16:30	F36	IN VIVO ELECTROANALYSIS OF ELECTROINACTIVE SPECIES IN RAT BRAIN Limin ZHANG (Oral) School of Chemistry and Molecular Engineering, East China Normal University, Dongchuan Road 500, Shanghai 200241 (China)		
16:30-16:45	F37	SOFT ELECTROCHEMICAL/ELECTRONIC DEVICES AND THEIR APPLICATIONS IN POINT-OF-CARE TESTING Fei LI (Oral) The Key Laboratory of Biomedical Information Engineering of Ministry of Education, School of Life Science and Technology, Xi'an Jiaotong University, Xi'an 710049, China		
16:45-17:00	F38	DYNAMIC PHOTOISOMERIZATION OF AZOBENZENE-MODIFIED OLIGONUCLEOTIDES Zheng-Li HU (Oral) State Key Laboratory of Analytical Chemistry for Life Science, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210023, P. R. China		
17:00-17:15	F39	A NEW ELECTROCHEMICAL REDOX PROBE FOR SELECTIVE REAL-TIME PROFILING OF ENDOGENOUS H2O2 IN LIVE CELLS Kesavan MANIBALAN (Oral) Department of Chemistry, Beijing Key Laboratory of Microanalytical Methods and Instrumentation, MOE Key Laboratory of Bioorganic Phosphorus Chemistry & Chemical Biology, Tsinghua University, Beijing 100084, China.		



学术报告会 **BCEIA 2019**BCEIA 2019 Academic Conference



BCEIA2019 Schedule Of Sessions

SCHEDULE OF SESSIONS



ANALYTICAL TECHNIQUES IN LIFE SCIENCES

CHAIRMAN: Prof. Jianwei XIE

ORAL LECTURES

Dates: Oct.25-26,2019 Location: Room 311B, China National Convention Center, Beijing

Date: Oct. 25, 2019 AM (Friday)			
Topic: Single molecule/cell/particle analysis			
Chairmen:			
Pro	of. Xia	nomei YAN and Prof. Chunying CHEN	
8:30-8:35		Opening Remarks	
8:35-9:00	G2	IDENTIFYING VIRULENCE DETERMINANTS OF ZIKA VIRUS BY USING REVERSE GENETICS PLUS PLATFORM Chengfeng QIN (Keynote) Department of Virology, State Key Laboratory of Pathogen and Biosecurity, Beijing Institute of Microbiology and Epidemiology, Academy of Military Medical Sciences, Beijing, China	
9:00-9:25	G3	FLOW CYTOMETRIC ANALYSIS OF SINGLE EXTRA-CELLULAR VESICLES FOR BIOMEDICAL RESEARCH Xiaomei YAN (Keynote) Department of Chemical Biology, College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, Fujian 361005, China	
9:25-9:50	G4	DISCOVERY AND CHARACTERIZATION OF EXOGENOUS NANOPARTICLES IN HUMAN SERUM AND PLEURAL EFFUSION SAMPLES Qian LIU (Keynote) State Key Laboratory of Environmental Chemistry and Ecotoxicology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China	
9:50-10:15	G5	ANALYSIS AND DETECTION OF NANOPARTICLES IN A SINGLE CELL Chunying CHEN (Keynote) CAS Key Laboratory for Biomedical Effects of Nanomaterials and Nanosafety and CAS Center for Excellence in Nanoscience, National Center for Nanoscience and Technology, Beijing, China	
10:15-10:25		Coffee Break	
Ch	airma	n: Prof. Peng CHEN and Prof. Jie SONG	
10:25-10:50	G6	SINGLE-MOLECULE MICROSCOPY OF BACTERIAL METAL HOMEOSTASIS Peng CHEN (Keynote) Department of Chemistry and Chemical Biology, Cornell University, Ithaca, New York, USA	
10:50-11:15	G7	CREATE PROTEIN PATTERNS WITH DNA ORIGAMI Jie SONG (Keynote) Department of Instrument Science and Engineering in the School of Electronic Information and Electrical Engineering, Shanghai Jiao Tong University, 800 Dongchuan Road, Shanghai, China	
11:15-11:30	G22	A NOVEL EXONUCLEASE-ASSISTED ISOTHERMAL NUCLEIC ACID AMPLIFICATION WITH ULTRAHIGH SPECIFICITY MEDIATED BY FULL-LENGTH BST DNA POLYMERASE Jilie KONG Department of Chemistry and Institutes of Biomedical Sciences, Fudan University, Shanghai, China	
11:30-11:45	G23	THE UNEXPECTED DISCOVERY OF BIOMARKERS AND MOLECULAR EVENTS BY CELL-SELEX Tao BING Beijing National Laboratory for Molecular Sciences, Key Labora-tory of Analytical Chemistry for Living Biosystems, CAS Re-search/Education Center for Excellence in Molecular Sciences, Institute of Chemistry, Chinese Academy of Sciences, Beijing, China	
11:45-12:00	G24	GRAPHENE ISOLATED BIOMEDICAL ANALYSIS Zhuo CHEN State Key Lab of Chemo/Biosensing and Chemometrics, College of Chemistry and Chemical Engineering, Hunan University, Changsha, Hunan, China	

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Date: Oct. 25, 2019 PM (Friday)			
· ·	Topic: Analytical Chemistry: Meet the Editor		
Chairm		of. Xinrong ZHANG and Prof. athan SWEEDLER	
13:00-13:15	/	FROM AN EDITOR'S PERSPECTIVE Jonathan V. SWEEDLER (Editor-in-Chief) Department of Chemistry and the Beckman Institute, University of Illinois at Urbana- Champaign, Urbana IL, USA	
13:15-14:15	/	ONE-HOUR PANEL Q&A Editors of Analytical Chemistry: Jonathan V. SWEEDLER (Editor-in-Chief) Xinrong ZHANG (Asso. Editor-in-Chief) Norman DOVICHI (Asso. Editor-in-Chief) Chris Xiaochun LE (Asso. Editor-in-Chief)	
Da	te: Oc	t. 25, 2019 PM (Friday)	
Topic:		sion medicine analysis and edical diagnosis	
		Chairmen: Prof.	
Ying	fu LI aı	nd Prof. Chaoyong YANG	
14:30-14:55	G8	IN PURSUIT OF SIMPLE AND ULTRA-SENSITIVE FUNC-TIONAL DNA-BASED BIOSENSING SYSTEMS Yingfu LI (Keynote) Department of Biochemistry and Biomedical Sciences, McMaster University, Hamilton, Canada	
14:55-15:20	G9	HIGH THROUGHPUT SINGLE CELL SEQUENCING FOR PRECISION MEDICINE Chaoyong YANG (Keynote) Department of Chemical Biology, Xiamen University, Xiamen, China	
15:20-15:35	G25	MOLECULAR CANCER IMAGING USING RE-NAL-EXCRETED NIR-II FLUOROPHORE- PEPTIDE PROBES Weizhi WANG School of Chemistry and Chemical Engineering, Beijing Institute of Technology, Beijing, China	
15:35-15:45		Coffee Break	
Chairma	n: Prof	. Chengzhi HUANG and Prof. Fan ZHANG	
15:45-16:10	G10	NANOSCALE OPTICAL PROBES FOR LONG- TERM BI-OIMAGING Chengzhi HUANG (Keynote) Key Laboratory of Luminescent and Real- Time Analytical Chem-istry (Southwest University), Ministry of Education, College of Pharmaceutical Sciences, Southwest University, Chongqing, Chi-na	
16:10-16:35	G11	NIR-II LANTHANIDE PROBES FOR IN VIVO MULTI-PLEXED BIO DETECTION Fan ZHANG (Keynote) Department of Chemistry & Laboratory of Advanced Materials & Collaborative Innovation Center of Chemistry for Energy Materi-als & State Key Laboratory of Molecular Engineering of Poly-mers, Fudan University, Shanghai, China	
16:35-16:50	G26	CAPILLARY ELECTROPHORESIS: AN EFFICIENT TECHNOLOGY FOR BIOSEPARATION AND BIOANALY-SIS Feng QU School of Life Science, Beijing Institute of Technology, Beijing, China	

16:50-17:05	G27	EXPLORING BINDING SITES ON APTAMERS IN APTAMER-IMMUNOGLOBULIN E BINDING BY FLUORES-CENCE ANISOTROPY ANALYSIS Qiang ZHAO State Key Laboratory of Environmental Chemistry and Ecotoxi-cology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China	
17:05-17:20	G28	FUNCTIONAL NUCLEIC ACIDS TAILORING AND ITS APPLICATION IN BIOHYBRID INTERFACE SENSOR Longjiao ZHU Beijing Advanced Innovation Center for Food Nutrition and Hu-man Health, College of Food Science & Nutritional Engineering, China Agricultural University, Beijing, China	
Date	e: Oct.	26, 2019 AM (Saturday)	
	Topi	c: –omics analysis	
Chairma		of Haitana DENC	
8:30-8:55	G12	of. Haiteng DENG HIGH THROUGHPUT SINGLE CELL MASS SPECTROM-ETRY OF THE BRAIN Jonathan V. SWEEDLER(Keynote) Department of Chemistry and the Beckman Institute, University of Illinois at Urbana- Champaign, Urbana IL, USA	
8:55-9:20	G13	SYSTEMATIC ANALYSIS OF BIOLOGICAL FUNCTIONS OF NAD+ IN AGING- ASSOCIATED DISEASE Haiteng DENG (Keynote) MOE Key Laboratory of Bioinformatics and the Center for Syn-thetic and Systematic Biology, School of Life Sciences, Tsinghua University, Beijing, China	
9:20-9:45	G14	DEEP COVERAGE QUANTITATIVE PROTEOMICS RE-VEALS MULTIPLE BIOLOGICAL FUNCTION OF UBIQ-UITIN CHAINS Ping XU (Keynote) State Key Laboratory of Proteomics, Beijing Proteome Research Center, National Center for Protein Sciences (Beijing), Institute of Lifeomics, Beijing, China	
9:45-10:00	G29	PREDICTING INDIVIDUAL RESPONSE TO WARFARIN WITH PHARMACO- METABOLOMIC, PHARMA-CO-GENETIC METAGENOMIC METHOD Guohua ZHOU Department of Pharmacology, Jinling Hospital, Medical School, Nanjing University, Nanjing, China	
10:10-10:15	G30	HIGH THROUGHPUT, INTEGRATIVE SINGLE- CELL SE-CRETOMIC ANALYSIS Yao LU Dalian Institute of Chemical Physics, Chinese Academy of Sci-ences, Dalian, Liaoning, China	
10:15-10:25		Coffee Break	
Prof Y	Chairman: Prof. Yang WANG and Prof. Chunliu WU		
10:25-10:50	G15	DESIGN AND SCREENING OF MULTICYCLIC PEPTIDE AFFINITY REAGENTS FOR PROTEIN ANALYSIS Chuanliu WU (Keynote) Department of Chemistry, College of Chemistry and Chemical Engineering, The MOE Key Laboratory of Spectrochemical Analysis and Instrumentation, Xiamen University, Xiamen, China	



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10:50-11:15	G16	SINGLE NANOPARTICLE DARK-FIELD AND ELECTROCHEMILUMINSCENCE IMAGING Jing-Juan XU (Keynote) State Key Laboratory of Analytical Chemistry for Life Science, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210023, China
11:15-11:30	G31	RESEARCH ON THE DELIVERY OF PROTEINS TO LIVING CELLS USING DNA PROGRAMMED MEMBRANE FUSION Di LI (Invited) School of Chemistry and Molecular Engineering, East China Normal University, 200241, Shanghai, China
11:30-11:45	G32	ENGINEERED BIOLOGICAL NANOPROBES FOR IDENTIFYING SINGLE MOLECULE TARGETS Shuo Huang (Invited) Nanjing University
Date	e: Oct.	26, 2019 PM (Saturday)
Date		
	-	c: Health and safety se medical diagnosis
Cna		Prof. Jinlan ZHANG and
	Proi.	Guangming HUANG
13:30-13:55	G17	INVESTIGATION OF METABOLIC PATHWAY IN BRAIN WITH NOVEL MASS SPECTROMETRY METHODS Guangming HUANG (Keynote) Medicine School of Chemistry and Materials Science, University of Science and Technology of China, Hefei, China
13:55-14:20	G18	UHPLC-HRMS /MS METHODS FOR DISCOVERY OF NEW CHOLESTERY ESTERS Jinlan ZHANG (Keynote) State Key Laboratory of Bioactive Substances and Functions of Natural Medicines, Institute of Materia Medica, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China.
14:20-14:45	G19	IMAGING OF POLAR AND NONPOLAR SPECIES USING COMPACT DESORPTION ELECTROSPRAY IONIZA-TION/ POSTPHOTOIONIZATION MASS SPECTROMETRY Yang PAN (Keynote) National Synchrotron Radiation Laboratory, University of Science and Technology of China, Hefei, China
14:45-15:00	G33	RAPID SCREENING TECHNOLOGIES FOR HIGHLY TOXIC SUBSTANCES IN FOOD MATRICES Jiefang SUN Beijing Key Laboratory of Diagnostic and Traceability Technolo-gies for Food Poisoning, Beijing Center for Disease Prevention and Control, Beijing, China

RESEARCH ON THE ACTIVITY OF TELOMERASE AND SCREENING G-QUADRUPLEX LIGANDS Yan JIN Key Laboratory of Analytical Chemis Life Science of Shaanxi Province, Schoof Chemistry and Chemical Engineer Shaanxi Normal University, Xi'An, Chemical Chemistry	nool er-ing,
15:15-15:30 G35 COMPUTATIONAL ASSISTED PRODUCTION OF ANTI-BODY WITI DESIRED CHARACTERISTICS AND I MUNOASSAY DEVELOPMENT THEI Cunzheng ZHANG Institute of Food Safety and Nutrition Jiangsu Academy of Agri-cultural Sc Nanjing, China	M- REOF
15:30-15:40 Coffee Break	
Chairman: Prof. XiuJun James LI and F	Prof.
Gaolin LIANG	
CATHEPSIN B TURNS BIOLUMINESG "ON" FOR TUMOR IMAGING Gaolin LIANG (Keynote) Hefei National Laboratory of Physical Sciences at Microscale, Department Chemistry, University of Science and Technology of China, Hefei, Anhui, O	al of
16:05-16:30 G21 PAPER/POLYMER HYBRID MICROFL PLATFORMS FOR LOW-COST DISE, DIAGNOSIS XiuJun James Ll(Keynote) Department of Chemistry & Biocher Biomedical Engi-neering, Border Biomedical Research Center, Univer Texas at El Paso, Texas, USA	ASE mistry,
THERMAL SENSITIVE FLUORESCEN POLYMERS AND ITS APPLICATION INTRACELLULA TEMPERATURE SEN Juan QIAO Key Laboratory of Analytical Chemis Living Biosystems, Institute of Chem Chinese Academy of Sciences, Beijin China	IN ISING stry for istry,
16:45-17:00 G37 ULTRA-SENSITIVE AND MULTIPLEX DIGITAL-PCR BY USING INVASIVE REACTION TO IDENTIFY AMPLICOL EACH REACTION UNIT Bingjie ZOU Department of Pharmacology, Jinlin Hospital, Medical School, Nanjing University, Nanjing, China	
THE APPLICATION OF DROPLET MICROFLUIDICS IN MICROBIAL AN Wenbin DU 17:00-17:15 G38 State Key Laboratory of Microbial Resources, Institute of Micro-biology Chinese Academy of Sciences, Beijii China	y,
GENETIC BIOMARKERS DIAGNOSI USING COMMER-CIAL POCT DEVIC Yan DU 17:15-17:30 G39 State Key Laboratory of Electroanaly	CES rtical
Chemistry, Changchun Institute of Á Chemistry, Chinese Academy of Scie Changchun, Jilin, China	

SCHEDULE OF SESSIONS



ENVIRONMENTAL ANALYSIS

CHAIRMAN:

Prof. Hailin Wang ORAL LECTURES

Dates: Oct.25-26,2019 Location: Room 307B, China National Convention Center,

Beijing

Date: Oct. 25, 2019 (Friday) AM					
8:30-8:40	3:40 Opening Address				
Chai	rmen:	Dr. Jingwen Chen and Dr. Hailin Wang			
8:30-8:55	H2	MATCHING METALS TO PROTEINS IN CELLS: IDENTIFICATION OF PROTEIN TARGETS AND DISCOVERY OF DRUG CANDIDATES Dr. Hongzhe Sun (Keynote) University of Hong Kong, China			
8:55-9:20	Н3	ARSENIC SPECIATION IN ATMOSPHERIC PARTICULATE MATTERS Dr. Chungang Yuan (Invited) North China Electric Power University, China			
9:20-9:45	H4	TOXICITY AND ANTILEUKEMIC ACTIVITIES OF INORGANIC ARSENICALS AND ITS METABOLITES Dr. Hua Naranmandura (Invited) School of Medicine and Public Health, Zhejiang University, China			
9:45-10:10	H5	DIOXIN SUPPRESSES ACHE ACITIVITY IN NEURON AND MUSCLE Dr. Qunhui Xie (Oral) Research Center for Eco-Environmental Sciences, CAS, China			
10:10-10:30		Coffee Break			
Chairm	nan: D	r. Hongzhe Sun and Dr. Hua Naranmandura			
10:30-10:55	Н6	PREDICTION ON HYDROLYSIS MECHANISMS AND KINETICS OF CHEMICALS Dr. Jingwen Chen (Keynote) Dalian University of Technology, China			
10:55-11:20	H7	SIMPLE AND INTEGRATED SPINTIP-BASED TECHNOLOGY FOR SPATIAL PROTEOME PROFILING Dr. Ruijun Tian (Invited) Southern University of Science and Technology, China			
11:20-11:45	H8	CHARACTERIZATION OF MERCURY-BINDING PROTEINS IN RAT BLOOD Dr. Ligang Hu (Invited) Research Center for Eco-Environmental Sciences, CAS, China			
11:45-12:00	Н9	NOVEL SENSING PLATFORM BASED ON APTAMERS SELECTIVITY FOR EMERGING CONTAMINANTS DETECTION AND SIGNAL AMPLIFICATION Dr. Ying Wang (Oral) Tongji University, China			
		LUNCH			
	D	ate: Oct. 25, 2019 (Friday) PM			
	Chairman:Dr. Zhen Liu and Dr. Wenjun Ding				
14:00-14:25	H10	NEW APPROACHES FOR IDENTIFICATION OF SMALL PEPTIDES AND THEIR DISINFECTION BYPRODUCTS IN WATER Dr. Xing-Fang Li (Keynote) University of Alberta, Canada			
14:25-14:50	H11	IN VIVO, IN SITU, AND MICROSCALE LIPIDOMICS INVESTIGATION OF COMPLEX BIOLOGICAL SAMPLES USING SURFACE-COATED PROBE NANOELECTROSPRAY IONIZATION MASS SPECTROMETRY Dr. Tiangang Luan (Keynote) Guangdong University of Technology, China			
14:50-15:05	H12	THREE-DIMENSIONAL IMAGING MASS SPECTROMETRY TO VISUALIZE BIOMARKER DISTRIBUTIONS IN ENVIRONMENTAL TOXICOLOGY Dr. Chao Zhao (Oral) Shenzhen Institutes of Advanced Technology, CAS, China			
15:05-15:20	H13	LIPID METABOLISM DISORDERS CONTRIBUTE TO HEPATOTOXICITY OF TRICLOSAN IN MICE Dr. Wei Huang (Oral) Hong Kong Baptist University, China			
15:20-15:40		Coffee Break			

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Chairman:			
Dr. Xing–Fang Li and Dr. Tiangang Luan			
15:40-16:05	H14	EPITRANSCRIPTOMIC 5-METHYLCYTOSINE PROFILE IN PM2.5- INDUCED MOUSE PULMONARY FIBROSIS Dr. Wenjun Ding (Keynote) University of Chinese Academy of Sciences, China	
16:05-16:30	H15	PRECISE EFFICACY EVALUATION OF ANTI-CANCER DRUGS VIA PROBING APOPTOSIS SIGNALING PROTEINS IN SINGLE LIVING CELLS Dr. Zhen Liu (Keynote) Nanjing University, China	
16:30-16:45	H16	STUDY ON THE CARDIAC HYPERTROPHY AND FIBROSIS INDUCED BY PM 2.5 REAL- TIME EXPOSURE Dr. Rong Zhang (Invited) Hebei Medical University, China	
16:45-17:00	H17	BIOMARKERS OF AIR POLLUTANT EXPOSURE IN THE CHINESE AGED 60-69 (CHINA BAPE) Dr. Song Tang (Oral) National Institute of Environmental Health, Chinese Center for Disease Control and Prevention, China	
17:00-17:15	H18	AGILENT 8700 LASER DIRECT INFRARED IMAGING OF MICROPLATICS Dr. Xiaodan Zhang (Oral) Agilent Technologies (China) Co., Ltd	
Date	. 0 - 1	20, 2010 (0=t,=l=, .) AM	
Date	: Oct.	26, 2019 (Saturday) AM	
		Chairman:	
Dr. Yins	sheng	Chairman: Wang and Dr. Shoulin Wang EPIGENOMIC INSIGHT OF ENVIRONMENTAL DISEASES Dr. Zhibin Wang (Keynote)	
Dr. Yins	sheng H19	Chairman: Wang and Dr. Shoulin Wang EPIGENOMIC INSIGHT OF ENVIRONMENTAL DISEASES Dr. Zhibin Wang (Keynote) Johns Hopkins University, USA SINGLE CELL ANALYSIS BY INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY Dr. Bin Hu (Keynote)	
Dr. Yins 8:30-8:55 8:55-9:20	H19	Chairman: Wang and Dr. Shoulin Wang EPIGENOMIC INSIGHT OF ENVIRONMENTAL DISEASES Dr. Zhibin Wang (Keynote) Johns Hopkins University, USA SINGLE CELL ANALYSIS BY INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY Dr. Bin Hu (Keynote) Wuhan University, China MERCURY ISOTOPE VARIATIONS IN COASTAL MARINE SEDIMENTS OF CHINA Dr. Jianbo Shi (Invited) Research Center for Eco-Environmental	
Dr. Yins 8:30-8:55 8:55-9:20 9:20-9:45	H19 H20 H21	Chairman: Wang and Dr. Shoulin Wang EPIGENOMIC INSIGHT OF ENVIRONMENTAL DISEASES Dr. Zhibin Wang (Keynote) Johns Hopkins University, USA SINGLE CELL ANALYSIS BY INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY Dr. Bin Hu (Keynote) Wuhan University, China MERCURY ISOTOPE VARIATIONS IN COASTAL MARINE SEDIMENTS OF CHINA Dr. Jianbo Shi (Invited) Research Center for Eco-Environmental Sciences, CAS, China NON-TARGET SCREENING OF ORGANIC POLLUTANTS IN MULTIMEDIA IN CHINA Dr. Si Wei (Oral)	

Chairm	an: Dr.	Zhibin Wang and Dr. Bin Hu		
	ZINC FINGER PROTEINS AS TARGETS FOR ARSENIC			
10:30-10:55	H24	TOXICITY AND CARCINOGENICITY Dr. Yinsheng Wang (Keynote) University of California-Riverside, USA		
10:55-11:20	H25	EXTRAHEPATIC METABOLIC ENZYMES AND ENVIRONMENTAL CHEMICAL-INDUCED TARGET TOXICITY Dr. Shoulin Wang (Keynote) Nanjing Medical University, China		
11:20-11:45	H26	CHEMICAL COMPOSITION AND HEALTH RISK INDICES ASSOCIATED WITH SIZE-RESOLVED PARTICULATE MATTERS Dr. Yuanxun Zhang (Invited) University of Chinese Academy of Sciences, China		
11:45-12:00	H27	P2X7 RECEPTOR REGULATES THE EXOCYTOSIS OF SINGLE-WALLED CARBON NANOTUBES IN MURINE MACROPHAGE Dr. Bin Wan (Oral) Research Center for Eco-Environmental Sciences, CAS, China		
		LUNCH		
Date	: Oct.	26, 2019 (Saturday) PM		
Chairma	n: Dr. 、	Jinian Shu and Dr. Zihui Meng		
14:00-14:25	H28	STUDY ON THE EXPOSURE PATTERN AND POTENTIAL HEALTH RISKS OF OCCUPATIONAL EXPOSURE TO PFASS Dr. Yawei Wang (Keynote) Research Center for Eco-Environmental Sciences, CAS, China		
14:25-14:50	H29	CIRCULATING ESSENTIAL METALS AND LUNG CANCER: RISK ASSESSMENT AND POTENTIAL MOLECULAR EFFECTS Dr. Huan Guo (Invited) Huazhong University of Science and Technology, China		
14:50-15:05	H30	PFASS AND PPCPS IN A DRINKING WATER PLANT IN THE YANGTZE RIVER DELTA OF CHINA: OCCURRENCE, REMOVAL AND RISK ASSESSMENT Dr. Jun Huang (Oral) Tsinghua University, China		
15:05-15:20	H31	CHARACTERIZATION OF PAHS IN SOIL OF THE NON-FERROUS METAL SMELTING AREA, NORTH CHINA: DISTRIBUTION, SOURCES AND POTENTIAL HUMAN HEALTH RISK ASSESSMENT Dr. Ming Liang (Oral) China University of Mining and Technology, China		
15:20-15:40		Coffee Break		
Chairman: Dr. Yawei Wang and Dr. Huan Guo				
15:40-16:05	H32	A NEW EFFECTIVE IONIZATION PATHWAY Dr. Jinian Shu (Invited) University of Chinese Academy of Sciences, China		
16:05-16:30	H33	STUDY ON THE DETECTION OF ANTIBIOTICS IN THE ENVIRONMENT BY PHOTONIC CRYSTAL Dr. Zihui Meng (Invited) Beijing Institute of Technology, China		
16:30-16:45	H34	RAMAN SPECTROSCOPY FOR FINE STRUCTURE CHARACTERIZATION: FROM ELECTRON, MOLECULE, ATOMIC ENSEMBLE TO METAL COMPLEX Dr. Rui Liu (Oral) Research Center for Eco-Environmental Sciences, CAS, China		
16:45-17:00	H35	RESEARCH ON REFERENCE MATERIALS OF PESTICIDE METABOLITES IN THE ENVIRONMENT Dr. Lei Zhang (Oral) Alta Technology Co., Ltd., China		
		POSTER SESSION		

SCHEDULE OF



CHAIRMAN: Prof. Hongmei Ll

ORAL LECTURES

Dates: Oct.25-26,2019 Location: Room 308, China National Convention Center, Beijing

SESSIONS





学术报告会 **BCEIA 2019**BCEIA 2019 Academic Conference

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10:15-10:35	Coffee break		
10:35-11:00	120	Speciation of Trace Elements in Food Zoltan MESTER(Keynote)	
11:00-11:25	I 21	KRISS Activities for Establishing National Measurements Standards in Food Safety Area Byungjoo KIM(Keynote)	
11:25-11:50	122	The Role of Food Safety Metrology Programme in Singapore's War on Diabetes Tanglin TEO	
12:00-13:30	Lunch		
Date: October 26, 2019 PM			
13:30-13:55	123	TO BE DECIDED Yibing LV	
13:55-14:20	124	Activities for Elements and Species Analysis in Environmental Area Jingbo CHAO	
14:20-14:30	I 25	Accuracy-Based Proficiency Testing Programme on Toxic Elements (Arsenic, Cadmium and Lead) in Herbal Material Meng Kait Benny TONG	
14:30-14:40	126	Food Safety Metrology Capacity Building at NMISA Maria Fernandes-WHALEY	
14:40-15:00		Coffee break	

15:00-15:10	127	Development of Heavy Metals in Food for Food Safety Metrology Capacity Building in Malaysia Noor Hidaya binti ABDUL NASIR
15:10-15:20	128	Food Safety in Vietnam PHAM Phi Hung
15:20-15:30	129	Research and Application of Measurement Standard and Technical System in Agro- Product Safety in Pakistan Tahseen ASLAM
15:30-15:40	130	Activities of the INMETRO in the area of Food Safety Rodrigo LEAL
15:40-15:50	131	SNSU-BSN's Metrology in Chemistry Acativities in Food Safety: A Review from 2014 to the Present Yosi ARISTIAWAN
15:50-16:00	132	The impact of Pesticide Standard Solutions for Food Safety in Thailand Nittaya SUDSIRI
16:00-16:10	133	Food Safety Metrology Capacity Building in Argentina: INTI Contributions Pablo SANCHEZ
16:00-17:30		Discussion
17:30-18:00	Wrap-up	
18:30	Dinner	



SCHEDULE OF SESSIONS



LABELED IMMUNOASSAY TECHNOLOGY

CHAIRMAN:

Prof. Guangtao Yan

ORAL LECTURES

Dates: Oct.25-26,2019 Location: Room 307A, China National Convention Center,

Beijing

Date: Oct. 25, 2019 AM(Friday)			
Chairmen: Prof. Hua Jing and Prof. Jiankui Chen			
9:00-9:40	J2	MICROFLUIDICS-BASED DIAGNOSTICS AND PREPARATION OF BIOMATERIALS Xingyu JIANG (Keynote) Beijing Engineering Research Center for BioNanotechnology & CAS Key Laboratory for Biological Effects of Nanomaterials and Nanosafety National Center for Nanoscience and Technology, Beijing 100190, China	
9:40-10:20	J3	TO EXPLORE THE EARLY WARNING MARKS OF GASTROINTESTINAL TUMORS FROM THE THEORY OF CHINESE MEDICINE CONSTITUTION Jianwei Guo (Keynote) Beijing First Integrated Traditional Chinese and Western Medicine Hospital	
10:20-10:40	Coffee Break		
10:40-11:20	J4 ETIOLOGICAL DIAGNOSIS AND EVALUATION OF SEVERE PNEUMONIA Xinxin Lu (Keynote) Beijing Tongren Hospital, Capital Medical University		
11:20-12:00	J5	HIV LABORATORY TESTING OPTIMIZES AIDS DIAGNOSIS AND TREATMENT Yajie Wang (Keynote) Director of Beijing Temple of Earth Hospital Affiliated to Capital Medical University	

Dat	e: Oct	. 25, 2019 PM (Friday)	
Chairmen:			
Prof.	Hua Ji	ng and Prof. Jiankui Chen	
13:30-14:10	J6	PRECISION MEDICINE FOR CARDIOVASCULAR DISEASES Zhou Zhou (Keynote) Professor and Director of Laboratory Medicine, Fuwai Hospital, National Center for Cardiovascular Diseases	
14:10-14:50	J7	IVD KEY RAW MATERIAL - FLUORESCENT DYE Jibo Xia (Keynote) US Everbright Inc, General manager	
14:50-15:00		Coffee Break	
15:00-15:40	J8	TUMOR MICROENVIRONMENT REGULATION BY THE ER STRESS TRANSMISSION MEDIATOR GP73 Xiaoli Yang (Keynote) Department of Clinical Laboratory, the Third Medical Centre) Chinese PLA (People's Liberation Army) General Hospital, Beijing 100039, P.R.China.	
15:40-16:20	J9	ESTABLISHMENT AND VERIFICATION OF MIRNAS EXPRESSION MOLECULES FOR BREAST CANCER AND ITS DISTANT METASTASIS Yanhong Gao (Keynote) Department of Clinical Laboratory, the First Medical Centre, Chinese PLA (People's Liberation Army) General Hospital, Beijing 100853, P.R.China.	
16:20-17:00		Discussion	
Date:	Oct. 2	26, 2019 AM(Saturday)	
Cl	nairme	n: Prof. Guangtao Yan	
09:00-09:40	J10	MICROFLUDIC CHIPS AND NANOMATERIALS BASED POCT FOR IMMUNOLOGICAL DIAGNOSIS AND CELL ANALYSIS Lei Zhou (Keynote) Professor Lei Zhou, National Key Laboratory of Biochemical Engineering, PLA Key Laboratory of Biopharmaceutical Production & Formulation Engineering, Institute of Process Engineering, Chinese Academy of Sciences, Beijing 100190, China.	
09:40-10:20	J11	TROP-2, A DUAL FUNCTION PROTEIN IN TUMOR BIOLOGY Huayi Huang (Keynote) MD, PhD. Senior Director, Medical Academic, Mindray North America; Adjunct Professor of Oncology, Department of Surgical Oncology, Roswell Park Comprehensive Cancer Center, Buffalo, NEW York	
10:20-10:40		Coffee Break	

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10:40-11:20	J12	APPLICATION OF NUCLEIC ACID MASS SPECTROMETRY IN AMD RELATED GENE POLYMORPHISM Xiangyi Liu (Keynote) Director of Beijing Tongren Hospital, Capital Medical University			
Date:	Date: Oct. 26, 2019 PM(Saturday)				
С	Chairmen:Prof. Guangtao Yan				
13:30-14:10	J13	DEVELOPMENT AND CLINICAL APPLICATION OF IMMUNOLABELING TECHNIQUE Xiuru Guan (Keynote) Director of First Affiliated Hospital of Harbin Medical University			
14:10-14:50	J14	APPLICATION OF BIOMARKERS IN IVD INDUSTRY CHAIN FOR PRECISION DIAGNOSTICS AND THERAPEUTICS Liangxiu He (Keynote) Xinxinbio. Com, Ltd (ACTHTEAM, LLC USA); Liangxiu He MBA MS Founder			
14:50-15:00	Coffee Break				
15:00-15:40	J15	EXPLORATION AND APPLICATION OF POTENTIAL MARKERS RELATED TO HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS Shunzong Yuan (Keynote) M.D., Ph.D. Department of Laboratory Medicine, The Fifth Medical Center, Chinese PLA General Hospital (Former 307th hospital of the PLA)			
15:40-16:20	J16	DIGITAL PCR: INNOVATIONS OF A TO Z AND APPLICTIONS IN PRECISION MEDICINE Guo Yong (Keynote) Department of Biomedical Engineering, Tsinghua University			
16:20-17:00	Discussion				
17:00		Closing Remarks			

