

The 11th ASIAN CONFERENCE ON ANALYTICAL SCIENCES (ASIANALYSIS XI)

August 23-26, 2011

Jinling Conference Center, Nanjing China

The Final Circular

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	<ul style="list-style-type: none">● August 23, whole day for conference registration● August 24-26, conference presentation, including 4 plenary lectures, 80 invitation reports, 31 oral reports, and 168 poster presentations. The Scientific Programme comprises the following 10 major areas:<ol style="list-style-type: none">1. Biological and Bio-analysis2. Electroanalytical Chemistry3. Thermal Analysis4. Atomic and Molecular Spectroscopy5. Mass Spectrometry6. Separation Science7. Sampling and Sensor Technology8. Miniaturization Technology9. Environmental Analysis10. Food and Drug Analysis	
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Part I Scientific Programme

August 24, 2011

August 24 Morning			
Opening Remark		Room: Zhongshan Hall	
8:30-9:00	Chairperson: Prof. Huangxian Ju	President of Nanjing University Prof. Hong-Yuan Chen Prof. Hitoshi Watarai	
9:00-9:20	PHOTOGRAPH		
Chairperson: Prof. Hong-Yuan Chen & Erkang Wang		Room: Zhongshan Hall	
PL-1	9:20-9:55	Prof. Christian Amatore (Ecole Normale Supérieure, France)	Coupling amperometry and total internal reflection fluorescence microscopy for monitoring exocytosis of single vesicles
PL-2	9:55-10:30	Prof. Erkang Wang (Changchun Institute of Applied Chemistry, China)	Biomimetic nanopore
10:30-10:45		COFFEE BREAK	
PL-3	10:45-11:20	Prof. Joseph Wang (University of California, San Diego, USA)	Nanomotor-based biosensing: nanoscale motion transduction and isolation
PL-4	11:20-11:55	Prof. Yukui Zhang (Dalian Institute of Chemical Physics, China)	New sample preparation methods for proteomic study
11:55-13:00		Lunch	
August 24 Afternoon			
SESSION A		Biological and Bioanalysis Room 302	
Chairpersons: Prof. Chuen-Ying Liu (National Taiwan Univ.), Prof. Wing-Hong Chan, Prof. Hua Cui; Prof. Xingyu Jiang, Prof. Genxi Li			
I-1	14:00-14:25	Prof. Wing-Hong Chan (Hong Kong Baptist University, China-Hong Kong)	Ratiometric fluorescence sensor for detection of cysteine and polyphosphate by sensor-ensemble method in aqueous solution
I-2	14:25-14:50	Prof. Genxi Li (Nanjing University, China)	Electroanalysis of cells and protein activity
I-3	14:50-15:15	Prof. Xingyu Jiang (National Center for Nanoscience and Technology, China)	Nanotechnology/microfluidics for biochemical analysis
I-4	15:15-15:40	Prof. Bi-Feng Liu (Huazhong University of Science and Technology, China)	Single cell stimulation analysis with microfluidic hydrodynamic gating
O-1	15:40-16:00	Prof. Zhi-Qi Zhang (Shanxi Normal University, China)	Three-dimensional cell bioreactor affinity screening of bioactive components from hexandrum (Royle) ying
16:00-16:15		COFFEE BREAK	
I-5	16:15-16:40	Prof. Hua Cui (University of Science & Technology of China, China)	Synthesis of N-(aminobutyl)-N-(ethylisoluminol) functionalized gold nanomaterial and its application in electrochemiluminescence aptasensor

I-6	16:40-17:05	Prof. Xing-Zheng Wu (Fukuoka Institute of Technology, Japan)	A noninvasive analytical method for a single cell with a probe beam
I-7	17:05-17:30	Prof. Wei-Hua Huang (Wuhan University, China)	Endothelial cell culture model for vascular simulation in three-dimensional matrices
O-2	17:30-17:50	Prof. Jinyi Wang (Northwest A&F University, China)	Integrated microfluidic culture platform for CNS injury study
SESSION B Environmental Analysis / Food and Drug Analysis / Miniaturization Technology Room 201 Chairpersons: Prof. Lehui Lu, Prof. Yanyi Huang; Prof. Jong Seong Kang, Dr. A.M. Shafiqul Alam			
I-8	14:00-14:25	Prof. Jong Seong Kang (Chungnam National University, Korea)	Establishment of criteria for content limit of marker compounds in herbal drug using linear regression model of logarithmic content-cumulative distribution function
I-9	14:25-14:50	Prof. Lehui Lu (Changchun Institute of Applied Chemistry, China)	Fluorescence-based nanoprobe for the detection of inorganic ions
I-10	14:50-15:15	Dr. Thanh Dong Nguyen (Institute of Environmental Technology – Vietnam)	Development of dispersive solid phase extraction/gas chromatography mass spectrometry method for determination of 103 pesticides in agricultural soil
O-3	15:15-15:35	Ms. Zaira Zaman Chowdhury (University Malay, Malaysia)	Removal of Mn (II) from aqueous solution using activated carbon derived from Kenaf Fiber by using Response Surface Methodology (RSM) methodology
15:35-16:00		Dr He Jun (Marketing Manager, Agilent Greater China Chemical Analysis)	Agilent mobile lab solution
16:00-16:15		COFFEE BREAK	
I-11	16:15-16:40	Prof. Yanyi Huang (Peking University, China)	Discretely tunable optofluidic compound microlenses
I-12	16:40-17:05	Dr. A.M. Shafiqul Alam (University of Dhaka, Bangladesh)	Study of arsenic and other trace elements in the silt, borehole sediments and anions of the river Jumuna-Meghna Delta
I-13	17:05-17:30	Prof. Biyang Deng (Guangxi Normal University, China)	Pharmacokinetics and residues of tetracycline in crucian carp muscle using capillary electrophoresis on-line coupled with electrochemiluminescence detection
O-4	17:30-17:50	Ms. Ting Yang (Northeastern University, China)	Bacillus Subtilis cell surface manipulation by iron(III) binding for selective adsorption of arsenate and arsenic speciation
SESSION C Mass Spectrometry / Atomic and Molecular Spectroscopy / Separation Science Room 202 Chairpersons: Prof. Jianhua Wang, Prof. Xiao-Bing Zhang; Prof. Israel Schechter, Prof. Hai-Long Wu			
I-14	14:00-14:25	Prof. Israel Schechter (Technion - Israel Institute of Technology)	New laser technologies for chemical analysis
I-15	14:25-14:50	Prof. Jianhua Wang (Northeastern University, China)	Protein separation with carbon nanomaterials as adsorbents
I-16	14:50-15:15	Prof. Hai-Long Wu (Hunan University, China)	Aspects of recent developments of chemical multiway calibration methodologies
I-17	15:15-15:40	Prof. Xiandeng Hou (Sichuan University, China)	Highly sensitive speciation analysis of silver (I) and silver nanoparticles via amplification by cation exchange in cdte quantum dots by hydride generation-atomic fluorescence spectrometry
O-5	15:40-16:00	Prof. Kaiguang Yang (Dalian Institute of Chemical Physics)	Preparation of epitope imprinted polyethersulfone particles through self-assembly for protein recognition
16:00-16:15		COFFEE BREAK	

I-18	16:15-16:40	Dr. Kelvin Sze-Yin Leung (Hong Kong Baptist University, China-Hong Kong)	Trace elemental analysis and speciation
I-19	16:40-17:05	Prof. Langxing Chen (Nankai University, China)	Preparation of IDA-Cu functionalized Fe ₃ O ₄ magnetic nanoparticles by “Click” reaction and its application
I-20	17:05-17:30	Prof. Xiao-Bing Zhang (Hunan University, China)	Optimized design approach for securing efficient fluorescent probes for Hg ²⁺ in pure aqueous samples
O-6	17:30-17:50	Dr. Yanli Guo (Shiseido China Co., LTD)	Analysis of underivatized alanine and sarcosine using columns with mixed packing materials
SESSION D Electroanalytical Chemistry / Sampling and Sensor Technology / Materials Analysis Room 303B Chairpersons: Prof. Hitoshi Watarai, Prof. Krylov V.A.; Prof. Xueji Zhang; Prof. Xi Chen			
I-21	14:00-14:25	Prof. Xueji Zhang (Beijing University of Science & Technology, China; University of South Florida, USA)	Individual addressable electrochemical nanosensors for monitoring gasotransmitters release
I-22	14:25-14:50	Prof. Hitoshi Watarai (Osaka University, Japan)	Magnetophoresis; a useful characterization method of single microparticles
I-23	14:50-15:15	Prof. Yitao Long (East China University of Science and Technology)	Real-time size measurements of a single gold nanoparticle based on plasmon resonance scattering spectroelectrochemistry
O-7	15:15-15:35	Dr. Shizhen Chen (Chinese Academy of Science, China)	Surface molecular self-assembly strategy for methyl parathion imprinting of silica-gold core-shell nanoparticles
O-8	15:35-15:55	Dr. Na Na (Beijing Normal University, China)	Plasma-assisted cataluminescence array for hydrocarbon compounds discrimination
15:55-16:10		COFFEE BREAK	
I-24	16:10-16:35	Prof. Krylov V.A. (Lobachevsky State University of Nizhni Novgorod, Russia)	Analysis of high-purity isotopically enriched hydrides and fluorides of silicon and germanium by gas chromatography and gas chromatography-mass spectrometry
I-25	16:35-17:00	Prof. Xi Chen (Xiamen University, China)	Fabrication of a reversible colorimetric temperature nanosensor
O-9	17:00-17:20	Prof. Suhua Wang (Institute of Intelligent Machines, China)	Quantum dots-based fluorescence sensors for visual detection of trace chemicals via surface coordination
O-10	17:20-17:40	Prof. Yongdong Jin (Changchun Institute of Applied Chemistry, China)	Plasmonic engineering of functional nanoparticles for biomedical applications
O-11	17:40-18:00	Prof. Ding Shijia (Chongqing Medical University, China)	Sensitive and rapid molecular identification of salmonella by enzymatic electrochemical DNA biosensor
18:30 - 21:00		Banquet & Welcome Party	

August 25, 2011

August 25 Morning			
SESSION A		The 7th Sino-French Workshop	
		Room 303B	
Chairpersons: Prof. Hong-Yuan Chen, Prof. Serge Cosnier; Prof. Erkang Wang, Prof. Huangxian Ju			
8:00-8:05		Prof. Hong-Yuan Chen	Opening remarks by Erkang Wang
I-26	8:05-8:30	Prof. Serge Cosnier (Grenoble University -CNRS, France)	Hybrid nanomaterials for the design of biosensors and biofuel cells
I-27	8:30-8:55	Prof. Xinghua Xia (Nanjing University, China)	Interfacial behavior of biomolecules and bioelectrochemical analysis
I-28	8:55-9:20	Prof. Nicole Jaffrezic-Renault (Claude Bernard University Lyon 1, France)	Impedimetric aptasensor for thrombin detection

I-29	9:20-9:45	Prof. Jinhua Chen (Hunan University, China)	Synthesis and applications of noble metal nanoparticles/carbon nanotubes nanohybrids in electrocatalysis and sensors
I-30	9:45-10:10	Dr. H. Korri-Youssoufi (University Paris-Sud, France)	Conducting polypyrrole as molecular wire for electrochemical Biosensor
10:10-10:25		COFFEE BREAK	
I-31	10:25-10:50	Prof. Jun-jie Zhu (Nanjing University, China)	Assembly of functional nanocomposites for electrochemical cytosensor and cell apoptosis study
I-32	10:50-11:15	Prof. Jean-Louis Marty (Universite de Perpignan VIa Domitia, France)	Amperometric and colorimetric aptamer-based biosensors for Ochratoxin A detection
I-33	11:15-11:40	Prof. Guobao Xu (Changchun Institute of Applied Chemistry, China)	New strategies for improving the sensitivity for electrochemiluminescent detection using Ruthenium complex
I-34	11:40-12:05	Dr. Nicolas Mano (CRPP, France)	A biofuel cell operating in a living plant
SESSION B Biological and Bioanalysis Room 302			
Chairpersons: Prof. Yong-Moon Lee, Prof. Zhenxin Wang; Prof. Cheng-Zhi Huang, Prof. Xiaomei Yan			
I-35	8:00-8:25	Prof. Cheng-Zhi Huang (Southwest University, China)	Fluorescent nanoparticles for biosensing
I-36	8:25-8:50	Prof. Jin Ouyang (Beijing Normal University, China)	Up-converting nanoparticles as photoconverters in photodynamic therapy
I-37	8:50-9:15	Prof. Xiaomei Yan (Xiamen University, China)	Development of high sensitivity flow cytometry for quantitative and multiparameter characterization of individual nanobioparticles
I-38	9:15-9:40	Prof. Yong-Moon Lee (Chungbuk national university, South Korea)	Highly sensitive chromatographic analysis of bioactive sphingolipid metabolites in blood with fluorescence detection
O-12	9:40-10:00	Dr. Xiuling Li (Dalian Institute of Chemical Physics, China)	Selective enrichment of N-linked glycopeptides using hydrophilic interaction chromatography-based materials
10:00-10:15		COFFEE BREAK	
I-39	10:15-10:40	Prof. Bang-Ce Ye (East China University of Science & Technology, China)	Nano-bio probes design and its application for biochemical analysis
I-40	10:40-11:05	Prof. Cheng-Xi Cao (Shanghai Jiao Tong University, China)	Moving reaction boundary and isoelectric focusing: V. Application for monitoring glycated hemoglobin of diabetes
I-41	11:05-11:30	Prof. Zhenxin Wang (Changchun Institute of Applied Chemistry, China)	Development and application of novel microarray
O-13	11:30-11:50	Dr. Hui Xu (Ludong University, China)	Thiazole orange as fluorescent probe for ssDNA /g-quadruplex recognition: a platform for k^+ detection
SESSION C Environmental Analysis / Food and Drug Analysis / Miniaturization Technology Room 201			
Chairpersons: Prof. Deden Saprudin, Dr. Ayaz A. Memon; Dr. Christian Pigot, Prof. Zhuo Wang			
I-42	8:00-8:25	Dr. Christian Pigot (The university of Tokyo, Japan)	Modelisation of single beam heterodyne method dedicated to microfluidic system
I-43	8:25-8:50	Prof. Zhuo Wang (National Center for Nanoscience and Technology, China)	Functionalized gold nanoparticle sensors for heavy metal ions analysis
I-44	8:50-9:15	Dr. Najma Memon (University of Sindh, Pakistan)	Application of GC-MS and deconvolution reporting software for screening of organic contaminants from wastewaters
I-45	9:15-9:40	Dr. Jinhua Zhan (Shandong University, China)	Nanomaterial optical sensors for mercury(II)

O-14	9:40-10:00	Mr. Mohd. Nur-E-Alam Siddique (University of Dhaka, Bangladesh)	Study of air quality parameters in indoor and outdoor air of Dhaka city
10:00-10:15		COFFEE BREAK	
I-46	10:15-10:40	Prof. Deden Saprudin (Bogor Agricultural University, Indonesia)	Preparation and characterization of ion selective electrodes Lu^{3+} with 4-dodecanediolybis-(1-phenyl-3-methyl-5-pirazolone) as ionophores
I-47	10:40-11:05	Prof. Danke Xu (Nanjing University, China)	Development of novel detection methods for DNA and protein arrays based on silver nanoparticles
O-15	11:05-11:25	Prof. Zhi-Qi Zhang (China, Shanxi Normal University)	Microwave-assisted simultaneous extraction and derivatization for rapid analysis of fatty acids profile in perilla (<i>Perilla frutescens</i> L.) seeds by gas chromatography-mass spectrometry
O-16	11:25-11:45	Ms. Zaira Zaman Chowdhury (University Malay, Malaysia)	Column mode adsorption study of Pb (II) ions onto granular activated carbon prepared from Mangostene fruit shell from waste water
O-17	11:45-12:05	Ms. Shizhong Chen (Shimadzu International Trading Co., China)	Identification and activity of natural antioxidants from Flos Chrysanthemi using HPLC-PDA-ESI-MS and post-column UV derivatization
SESSION D Mass Spectrometry / Atomic and Molecular Spectroscopy / Separation Science Room 202 Chairpersons: Prof. Zongwei Cai, Prof. Totaro Imasaka; Prof. King-Chuen Lin, Prof. Pengyuan Yang			
I-48	8:00-8:25	Prof. King-Chuen Lin (National Taiwan University, China-Taiwan)	Molecular adsorption at silica/liquid interface probed by using evanescent wave cavity ring-down absorption spectroscopy
I-49	8:25-8:50	Prof. Pengyuan Yang (Fudan University)	Quantitative analysis of N-linked glycoprotein and glycans using mass spectrometry
I-50	8:50-9:15	Prof. Guan H. Tan (University of Malaya, Malaysia)	Identification and quantification of pesticides and aflatoxins in vegetables and cereals by liquid chromatography coupled to a quadrupole-time-of-flight mass spectrometer (LC-QTOFMS)
I-51	9:15-9:40	Prof. Xiu-ping Yan (Nankai University, China)	Metal-organic frameworks as novel separation media for solid-phase microextraction and high-resolution gas chromatography
O-18	9:40-10:00	Mr. Yong-Liang Yu (Northeastern University, China)	Development of a miniature analytical system in a lab-on-valve for the determination of trace copper by bead injection spectroscopy
10:00-10:15		COFFEE BREAK	
I-52	10:15-10:40	Prof. Zongwei Cai (Hong Kong Baptist University, China-Hong Kong)	Mass spectrometry-based metabolomics investigation of aristolochic acids associated with kidney disease
I-53	10:40-11:05	Prof. Totaro Imasaka (Kyushu University, Japan)	Analysis of persistent organic pollutants by gas chromatography/ laser multiphoton ionization time-of-flight mass spectrometry
O-19	11:05-11:25	Mr. Jinting Yao (Shimadzu, China)	Detection and identification of components from extracts of cornus officinalis by liquid chromatography hybrid ion trap time-of-flight mass spectrometry
O-20	11:25-11:45	Ms. Yu Chen (Shiseido China Co., LTD)	“Straight-to-column” structure, the novel mechanism designed for LC autosampler with ultimate separation efficiency and anti-carryover performance
O-21	11:45-12:05	Mr. Shuai Chen (Northeastern University, China)	Polymeric ionic liquid-MWNTs composite for the selective isolation of BSA from human whole blood
12:05-13:00		Lunch	

August 25 Afternoon			
SESSION A The 7th Sino-French Workshop Room 303B			
Chairpersons: Prof. Yuanhua Shao, Prof. Jean-Louis Marty; Prof. Alexander Kuhn, Prof. Xinghua Xia			
I-54	14:00-14:25	Prof. Xiaoquan Lu (Northwest Normal University, China)	Electrochemical foundations and dynamics study of electron-transfer of porphyrins at interfaces
I-55	14:25-14:50	Prof. Alexander Kuhn (University Bordeaux, France)	Bipolar electrochemistry, an emerging tool for exploring the micro- and nanoworld
I-56	14:50-15:15	Prof. Yuanhua Shao (Peking University, China)	Applications of functionalized micro/nanopipettes
I-57	15:15-15:40	Dr. Benoit PIRO (University Paris Diderot, France)	Direct electrochemical biosensors based on electroactive polymers
I-58	15:40-16:05	Prof. Jing-Juan Xu (Nanjing University, China)	Electrochemiluminescence biosensors based on energy transfer
16:05-16:20		COFFEE BREAK	
I-59	16:20-16:45	Dr. Philippe Hapiot (CNRS - Universite de Rennes 1, France)	Design and redox properties of robust functional films immobilized onto carbon substrates using diazonium electrochemistry
I-60	16:45-17:10	Prof. Yang Tian (Tongji University, China)	Real-time and in vivo biosensing of reactive oxygen species (ROS) and beyond
I-61	17:10-17:35	Dr. Elisabeth Lojou (CNRS, France)	How to enhance enzymatic hydrogen oxidation by hydrogenases? Investigation of conductive polymers and ionic liquids
O-22	17:35-17:55	Prof. Liu Songqing (Southeast University, China)	Signal amplification based on silica immunological labels
O-23	17:55-18:15	Dr. Alan Le Goff (Grenoble University -CNRS, France)	Metallopolymer/carbon nanotube composites for enzyme wiring and photoelectrochemical biosensing
18:15-18:20		Prof. Huangxian Ju	Closing remarks by Prof. Serge Cosnier
SESSION B The 2nd Asian Analytical Chemistry Network (AACN) symposium Room 201			
Chairpersons: Prof. Huangxian Ju, Prof. H. Watarai; Prof. Kazuko Ogino, Prof. Na Li			
14:00-14:05		Prof. Huangxian Ju	Opening remarks by Prof. H. Watarai
I-62	14:05-14:40 Keynote	Prof. Kazuko Ogino, (Tohoku University, Japan)	Microscale experiments for attractive chemistry class
I-63	14:40-15:10	Dr. Tran Thi Ngoc Lan, (Vietnam National University, HCMC, Vietnam)	The basic analytical chemistry– a comprehensive textbook in analytical chemistry and a directive in teaching of modern analytical chemistry in university undergraduate course
I-64	15:10-15:40	Dr. Najma Memon, (University of Sindh, Pakistan)	Project-based teaching in chromatography-a case study
15:40-15:50		COFFEE BREAK	
I-65	15:50-16:20	Prof. Na Li, China (Peking University, China)	Teaching analytical chemistry at Peking university
I-66	16:20-16:50	Prof. Chee Yan Choo, (Universiti Teknologi MARA, Malaysia)	Learning activities introduced to pharmaceutical analysis curriculum
I-67	16:50-17:20	Prof. Xiangqun Guo, (Xiamen University, China)	Teaching analytical chemistry in context
I-68	17:20-17:50	Dr. Jui-Lin She (National Taiwan University, Taiwan)	Integrated chemistry laboratory works for undergraduate

I-69	17:50-18:20	Prof. Guan H. Tan (University of Malaya, Malaysia)	Undergraduate analytical chemistry and taught MSc in analytical chemistry & instrumental analysis at university of Malaya
14:00-18:20		SESSION C Poster Presentations (P1-P89)	
14:00-18:20		SESSION D Poster Presentations (P90-P170)	
18:30-19:30		<i>Supper</i>	
20:30-21:30		Meeting of the International Advisory Board at Nanjing Zhenbao Holiday Hotel	

August 26, 2011

August 26 Morning			
SESSION A Biological and Bio-analysis Room 302			
Chairpersons: Prof. Chaoyong Yang, Prof. Xiurong Yang, Prof. Jilin Tang			
I-70	8:30-8:55	Prof. Xiurong Yang (Changchun Institute of Applied Chemistry, China)	Anions recognition and sensing using Au related nanoparticle as colorimetric probe without special surface functionalization
I-71	8:55-9:20	Dr. MeiKun Fan (Chengdu Green Energy and Green Manufacturing Technology R&D Centre, China)	The development of highly sensitive surface enhanced Raman scattering (SERS) optrode and its application in bio-analysis
O-24	9:20-9:40	Ms. Wei Ma (East China University of Science and Technology, China)	Reversible redox of NADH and NAD ⁺ at a hybrid lipid bilayer membrane using ubiquinone
9:40-9:55		COFFEE BREAK	
I-72	9:55-10:20	Prof. Chaoyong Yang (Xiamen University, China)	Stimuli-responsive hydrogel for bioanalysis and biotechnology
I-73	10:20-10:45	Prof. Jilin Tang (Changchun Institute of Applied Chemistry, China)	Molecular recognition force spectroscopy study of biomolecules
O-25	10:45-11:05	Ms. Jie Jiang (University of Science and Technology of China, China)	High-sensitive electrochemiluminescence sensor targeting IS6110 for detection of Mycobacterium tuberculosis based on luminol functionalized gold nanoprobe
O-26	11:05-11:25	Ms. Mei-Ling Chen (Northeastern University, China)	Graphene-quantum dots conjugate for fluorescence imaging of live cells
SESSION B Mass Spectrometry / Atomic and Molecular Spectroscopy / Separation Science / Environmental Analysis Room 202			
Chairpersons: Prof. Xindu Geng, Prof. Bin Hu, Prof. Zhongping Zhang			
I-74	8:30-8:55	Prof. Zhongping Zhang (Institute of Intelligent Machines, China)	Surface-enhanced Raman scattering-based sensors for ultrahigh sensitive and selective detection of nonresonant molecules
I-75	8:55-9:20	Prof. Xindu Geng (Northwest University, China)	Rapid separation of intact proteins by liquid chromatography
9:20-9:50		Dr Jing Miao (Atomic Spectroscopy Application Engineer, Agilent Greater China)	Innovation in element testing
9:50-10:00		COFFEE BREAK	
I-76	10:00-10:25	Prof. Bin Hu (Wuhan University, China)	Phase transfer/membrane supported liquid liquid liquid microextracton combined with capillary electrophoresis for the speciation of inorganic and organic mercury
I-77	10:25-10:50	Prof. Tran Thi Ngoc Lan (University of Natural Sciences, Vietnam)	Atmospheric particles in hanoi - concentrations of water-soluble inorganic ions and source regions
O-27	10:50-11:10	Prof. Zhen Liu (Nanjing University, China)	Boronic acid functionalized monoliths for selective capture of cis-diol biomolecules

SESSION C Electroanalytical Chemistry / Sampling and Sensor Technology / Materials Analysis Room 303B Chairpersons: Prof. Zhaoyang Wu, Prof. Tianyan You, Prof. Chunhai Fan			
I-78	8:30-8:55	Prof. Chunhai Fan (Shanghai Institute of Applied Physics, China)	Emerging DNA nanotechnology for biosensing and therapeutic applications
I-79	8:55-9:20	Prof. Tianyan You (Changchun Institute of Applied Chemistry, China)	Preparation of electrospun carbon nanofiber composites and their application in electroanalysis
O-28	9:20-9:40	Ms. Pingping Wu (Xiamen University, China)	Rapid detection of benzo(a)pyrene in popcorn
9:40-9:55		COFFEE BREAK	
I-80	9:55-10:20	Prof. Zhaoyang Wu (Hunan University, China)	Liquid crystal DNA biosensors based on the gold nanoparticles signal enhancement
O-29	10:20-10:40	Prof. Junwei Di (Soochow University, China)	Study on the electrochemical behavior of gold nanoparticles modified electrode after self-assembled cysteine
O-30	10:40-11:00	Mr. Peng Wang (Nanjing University, China)	Photocurrent quenching and a heuristic challenge towards beer-lambert's law
O-31	11:00-11:20	Ms. Shanshan Li (Central China Normal University, China)	Molecularly imprinted electrochemical paraoxon sensor based on electropolymerization of p-aminothiophenol on a self-assembled Au nanoparticles modified screen printed electrode
11:30-13:00		Closing Remark and Lunch	
August 26 Afternoon			
14:00-17:00		Half day tour to the Mausoleum of Dr. Sun Yat-sen (Chairperson: Prof. Xinghua Xia)	
17:00-20:30		Dinner and night piece at Nanjing Confucius Temple (Chairperson: Prof. Junjie Zhu)	

POSTER PRESENTATIONS

August 25 14:00-18:20

SESSION C: Biological and Bio-analysis / Electroanalytical Chemistry

Chairpersons: Prof Danke Xu, Prof Jianxin Li

No	Presentation name	Authors
P1	"Turn-on" fluorescent sensing for biothiols based on fluorescence resonance energy transfer between acridine orange and gold nanoparticles	Qingqing Ye, Peng Cui, Xinyin Guo, Dan Zhao, Feng Gao
P2	Selective isolation of cytochrome c with mineralized iron phosphate	Shi-Song Tang, Wen-Jing Wang, Xu-Wei Chen, Jian-Hua Wang
P3	Conjugation of quantum dots with CNTs filled with γ -Fe ₂ O ₃ for simultaneous cancer-targeted imaging and magnetically guided drug delivery	Mei-Ling Chen, Ye-Ju He and Jian-Hua Wang
P4	Surface plasmon-coupled directional emission (SPCDE) of dye-doped silica nanoparticle for detection of biomarkers	Shuo-Hui Cao, Wei-Peng Cai, Qian Liu, Zhe-Xiang Zou, Yu-Hua Weng, Xiao-Qing Liu, Yao-Qun Li*
P5	Detection and quantification of bacterial autofluorescence at the single cell level by high sensitivity flow cytometry	Yingxing Zhou, Tianxun Huang, Lingling Yang, Xiaomei Yan

P6	Analysis of b-galactosidase expression at single-bacterial level by high sensitivity flow cytometry	Tianxun Huang, Yingxing Zhou, Lingling Yang, Lina Wu, and Xiaomei Yan
P7	Analysis of bacterial resistance at the single-bacterial level by high sensitivity flow cytometry	Yan Zheng, Lingling Yang, Yingxing Zhou, Xiaomei Yan
P8	Phenol sensors derived from graphene	Xu Qin, Zhou Yue-e, Hao Shi-Rong, Li Xian-jing, Wei Huan-ping, Hu Xiao-Ya
P9	Development of highly throughput screening system for sphingosine kinase activity	SHIN, Kyong-Oh
P10	Enhanced solid-state electrochemiluminescence of CdTe composed with TiO ₂	Bu-Hong Gao, Shou-Nian Ding, Yue-Ming Sun
P11	Accurate assessment of bacterial viability using tetracysteine-tagged phages in conjunction with biarsenical dye	Xiaoting Yang, Lina Wu, Yingxing Zhou, Tianxun Huang, and Xiaomei Yan*
P12	Improvement of bacterial two-hybrid vectors for the simultaneous detection of two fusion proteins using an ultrasensitive dual-color flow cytometer	Tian Luan, Lina Wu, Xu Wang, XiaoTing Yang, and Xiaomei Yan
P13	Development of an advanced method for the rapid detection and enumeration of bacteriophages	Ling Ma, Tingting Huang, Shaobin Zhu, and Xiaomei Yan*
P14	Amine-functionalized magnetic nanoparticles for the rapid and efficient bacteria enrichment and separation	Xu Wang, Meng Yang, Xiaomei Yan*
P15	Single mitochondria analysis by a laboratory-built high-sensitive flow cytometer	Shuyue Zhang, Lingling Yang, Shaobin Zhu, Xiaomei Yan*
P16	Quantifying the copy number of biomolecules coupled to single nanoparticles	Shuo Wang, Shaobin Zhu, and Xiaomei Yan*
P17	Rapid membrane potential detection at the single-mitochondria level	Sha Chen, Shuyue Zhang, Tianxun Huang, Yingxing Zhou, Xiaomei Yan*
P18	Antioxidant comprehensive evaluation of lycium chinensis extracts	Yonglan Zhang, Hua Chen, Man Jia, Zhining Xia
P19	Multiplex immuno-RCA detection of tumor biomarkers based on laboratory-fabricated fluorescence-encoded microspheres in suspension array	Min Gao, Longjiao Yu, Xiaomei Yan
P20	Nanoelectrode amperometry for monitoring of exocytosis at single varicosities	Yutao Li, Shuhui Zhang, Weihua Huang*
P21	A novel electrophoresis titration apparatus based on moving neutralization reaction boundary	Hou-Yu Wang, Liu-Yin Fan, Chen-Gang Guo, Cheng-Xi Cao
P22	Whole column fluorescence imaging on moving supramolecular boundary (MSB) for detection of monosaccharides in microchip electrophoresis	Jing-Yu Dong, Si Li, Jing Shao, Cheng-Xi Cao and Wei-Bing Zhang
P23	Mathematical model of plateau peak and its simulation for sample injection in capillary zone electrophoresis	Jie Zhang, Quan-Fei Huang, Jie Jin, Si Li, Liu-Yin Fan, Cheng-Xi Cao
P24	Fluorescent sensor for detecting magnesium ion derived from hydroxymethyl coumarin and Sudan I derivative	Jiafa Xu, Zuozhou Fan
P25	Multifunctional Fe ₃ O ₄ -reduced graphene oxide with enhanced Peroxidase-like activity for biosensing	Yuxiang Lu, Huaqiang Cao, Weng-chon Cheong, Baojun Li, Sichun Zhang and Xinrong Zhang

P26	Production of multi-specific antibody based on multiple epitopes dendrimer antigen	Xing-Xing Yang, Yuan-Ming Sun, Zhen-Lin Xu, Yu-Dong Shen
P27	Simultaneous determination of malachite green, brilliant green and crystal violet in fish samples by a broad-specificity indirect competitive enzyme-linked immunosorbent assay (ICELISA)	Xing-Fei Deng, Zhen-Lin Xu, Yuan-Ming Sun, Jin-Yi Yang, Yu-Dong Shen*
P28	Fluorescence spectra study on the unfolding of phaseolus vulgaris lectin E (PHA-E)	Shuiying Niu, Yanxia Li, Bin Qiu, Guonan Chen and Zongwei Cai
P29	Colorimetric assay of aluminium (III) on living cellular using mononucleotides-modified metal nanoparticles	Min Zhang, Yu-Qiang Liu, Bang-Ce Ye
P30	Ultrasensitive DNA detection by cycle isothermal amplification based on nicking endonuclease and its logic application	Xuemei Li, Tianrong Ding, and Shusheng Zhang
P31	Evaluation of different types of DNA-ladders to improve the performance of quantitative proteome analysis by GeLC-MS	Chengpin Shen
P32	Room temperature phosphorescent optosensing based on Mn-doped ZnS quantum dots	Wang He-Fang, He Yu, Wu Peng and Yan Xiu-Ping*
P33	A novel method to purify and enrich micro-RNA associated proteins	Ruolang Liu, Rukui Zhang
P34	Facile synthesis of novel magnetic silica nanoparticle functionalized with layer-by-layer detonation nanodiamonds for pretreatment of low concentration peptides/proteins in secretome	Wei Liming, Zhao Chao, Shen Huali, Lu Haojie, Yang Pengyuan
P35	Biocompatible multi-walled carbon nanotube-chitosan-polyamidoamine hybrids for protein immobilization	Xiahui Liu, Yingying Zhang, Hao Tang
P36	Improvement of the quantification accuracy and throughput for phosphoproteome analysis by a pseudo triplex stable isotope dimethyl labeling approach	Chunxia Song, Fangjun Wang, Mingliang Ye, Kai Cheng, Rui Chen, Jun Zhu, Hanfa Zou
P37	Design of a highly sensitive and selective Pb ²⁺ sensor using a single-stranded DNAzyme	Li Hui, Cai Yang, Zhang Qi, Kong De-Ming*
P38	Resonance light scattering as a powerful tool for sensitive detection of b-amyloid peptide by gold nanoparticle probes	Chengke Wang and Zhenxin Wang
P39	In situ formed fluorescent silver nanoclusters for selective nucleobase recognition	Kun Ma, Qinghua Cui, Guiying Liu, Fei Wu, Shujuan Xu and Yong Shao
P40	Label-free DNA hybridization detection using CE-ICP-MS assay	Yan Li, Shao-kai Sun, Jia-lin Yang, and Yan Jiang
P41	A new coreactants for electrochemiluminescence of tris(2,2'-bipyridine)ruthenium(ii): homovanillic acid and vanillylmandelic acid	Jie Du, Haifeng Wang, Dong Liu, Xiaoquan Lu
P42	Acetylsalicylic acid biosensor based on PATP-AuNPs modified molecularly imprinted polymer film	Hui Li, Bowan Wu, Duoliang Shan, Xiaoquan Lu
P43	Highly sensitive homogeneous detection of cancer marker in human sera using single nanoparticle method	Tao Lan, Chaoqing Dong, Xiangyi Huang and Jicun Ren
P44	Graphene/Au nano-composite as an anode material for a high performance microbial fuel cell inoculated with a Gram-positive bacterium	Cuie Zhao, Lichuan Guo, Ying Wang, Junjie Zhu, Changhong Liu* and Jianrong Zhang*

P45	Study on acetylcholinesterase inhibition induced by endogenous neurotoxin with electrochemical biosensor based on three-dimensional ordered macroporous (3DOM) composite	Yingqiao Teng , Xinai Zhang , Ying Fu ,Lili Xu , Meicheng Yang , Zhongchuan Wang , Litong Jin , and Wen Zhang
P46	Finding potential biomarkers of lung cancer by NMR-based urinary metabolomics	Jinfa Bai, Ruiping Zhang, Yuanhua Chen, Yinghong Wang, Yongmei Song, Zeper Abliz
P47	CdSe/ZnS quantum dot-cytochrome c bioconjugates for selective intracellular O ₂ ⁻ sensing	Li-Xia Qin, Da-Wei Li, Yang Li, Yi-Tao Long, Hong-Yuan Chen
P48	A label-free method to study binding interactions and affinity constant of small molecules and proteins by surface plasmon resonance competitive assay	Yu Gao
P49	On-line coupling of boronate affinity chromatography, porous graphitic carbon chromatography and high-resolution mass spectrometry for the extraction, separation and identification of urinary modified nucleosides	Zijun Bie, Peng Dou, Jin Ye, Zhen Liu*
P50	An enzyme reactor with microporous open tubular column for rapid electrochemical detection of glucose	Lei Zhang
P51	Photoelectrochemical immunosensing based on a nanocomposite of graphene-quantum dots using chemiluminescence reaction as light source	Wenwen Tu, Wenjing Wang, Jianping Lei, Shengyuan Deng, Huangxian Ju
P52	Electrochemical stripping analysis of nanogold label-induced silver deposition for ultrasensitive multiplexed detection of tumor markers	Guosong Lai, Jie Wu, Huangxian Ju
P53	A hydrophilic boronate affinity monolithic capillary for specific capture of cis-diol-containing biomolecules	Xin Wang, Yunchun Liu, Hengye Li
P54	Enhanced electrochemiluminescence quenching of CdS:Mn nanocrystals by CdTe QDs-doped silica nanoparticles for ultrasensitive detection of Thrombin	Yun Shan, Jing-Juan Xu*, Hong-Yuan Chen
P55	Gold nanoparticle/DNA/methylene blue nanocomposites for the ultrasensitive electrochemical detection of carcinoembryonic antigen	Fen-Ying Kong ^{a,b} , Xu-Zhub, Mao-Tian Xub, Jing-Juan Xua*, Hong-Yuan Chen
P56	In vitro detection of superoxide anion released from cancer cells based on potassium-doped carbon nanotubes-ionic liquid composite gels	Xiao-Rong Li, Bo Wang, Jing-Juan Xu*, Hong-Yuan Chen
P57	CdS Quantum dots/ Ru(bpy) ₃ ²⁺ electrochemiluminescence resonance energy transfer system for sensitive cytosensing	Mei-Sheng Wu, Hai-Wei Shi, Jing-Juan Xu*, Hong-Yuan Chen
P58	Simply amplified electrochemical aptasensor of Ochratoxin A based on exonuclease-catalyzed target recycling	Ping Dong, Lan Zhang*, Jing-Juan Xu*, Hong-Yuan Chen
P59	Enhanced direct electrochemistry of glucose oxidase based on TiO ₂ -graphene nanohybrids	Qian Liu, Jun Wu, He-Nan Li, Kun Wang
P60	A sensitive photoelectrochemical sensor with graphene-TiO ₂ nanohybrid modified electrode for determination of NADH	Jun Wu, Kun Wang
P61	Label-free electrochemical assay for quantification of gene-specific methylation in nucleic acid sequence	Zong Dai*, Xiao Hu, Hai Wu and Xiaoyong Zou
P62	Biomonitoring of exposure to organophosphorus pesticides and nerve agents	Dan Du
P63	Electrochemical sensors based on aptamer	Zhimin Cai

P64	Electrochemical detection of thrombin activity	Jinrui Gan, Ji Ji, Jilie Kong, Baohong Liu
P65	Low-potential and highly sensitive detection of L-cysteine based on graphene nanoribbon modified electrode	Feifei Huang, Shuo Wu*, Xiaoqin Lan
P66	Study on electron transfer through DNA nucleobases terminated surface assembly	Wei Zhang, Fanjun Meng, Peng Li, Jingjing Zhao, Jifeng Liu, Chong Zhang
P67	Reductive determination of hydrogen peroxide based on mesoporous carbon spheres/palladium nanocomposite	XiaoJun Bian, Kai Guo, Ying Wang, JiLie Kong, BaoHong Liu
P68	A continuous electrochemical assay for peroxidase activity	Feifei Luo, Yinling Wang, Maoguo Li
P69	DNAzyme-based highly sensitive electronic detection of lead via quantum dot-assembled amplification labels	Bingying Jiang, Haixia Zhang, Jiaqing Xie, Ruo Yuan, Yun Xiang
P70	Electrochemical immunosensor for direct detection of neuron specific enolase in serum using biofunctionalized carbon nanotube and gold nanoprobe	Tianxiao Yu, Wei Cheng, Qing Li, Caihui Luo, Li Yan, Decai Zhang, Yibing Yin, Shijia Ding*, Huangxian Ju*
P71	A simple electrochemical aptasensor for ultrasensitive protein detection using target triggered circular primer extension	Wei Cheng, Tianxiao Yu, Qing Li, Yibing Yin, Shijia Ding, Huangxian Ju
P72	Simultaneous determination of ascorbic acid, dopamine and uric acid with differential pulse voltammetry on the glassy carbon electrode modified by PDDA-G and CdTe/CdS quantum dots composite film	Jia Li-Ping, Pan Ji-Chao, Ren Teng-Fei, Wang Huai-Sheng
P73	Graphene with elaborate surface modification can be used as an electrochemical platform for sensing environmental pollutants	Kelong Aia, Linyuan Caoab, Yanlan Liuab, Lehui Lu*
P74	Electrochemiluminescence assays for cancer cells based on dendrimer/CdSe-ZnS-quantum dot nanoclusters	Guifen Jie, Jinxin Yuan, Jian Zhang and Shusheng Zhang*
P75	A label-free immunosensor by controlled fabrication of monoclonal antibodies and gold nanoparticles inside the mesopores	Jiehua Lin, Zhijing Wei, Shusheng Zhang*
P76	An reagentless glucose biosensor based on direct electrochemistry of glucose oxidase on poly(methylene blue) doped silica nanocomposites	Xiuli Xiao, Bei Zhou, Lian Zhu, Lili Xu, Liang Tan
P77	Formation and amplification of ECL sensor based on CdS-PAMAM incorporating electrodeposited gold nanoparticle film	Sun F Rong, Chen F Fei, Fei W Juan, Sun Li, Wu Ying*
P78	Electrochemical identification of hepatitis C virus genotype 1b based on specific endonuclease combined with gold nanoparticles signal amplification	Shuna Liu, Chenxin Cai
P79	Electrochemical measurement of the flux of hydrogen peroxide releasing from raw 264.7 macrophage cells based on enzyme-attapulgitic clay nanohybrids	Ping Wu, Chenxin Cai
P80	The design of DNA construction for electrochemical detection of Ag ⁺ and Hg ²⁺	Yin Xue-Bo, Tang Chun-Xia, Bu Nan-Nan
P81	Stimuli-responsive graphene-templated synthesis of gold nanoparticles with dissimilar electrocatalytic behavior for oxygen reduction reactions	Xin Zhao

P82	Sonoelectrochemical fabrication of Pd-graphene nanocomposite and its application in the determination of chlorophenols	Jian-Jun Shi, Jun-Jie Zhu
P83	Cell impedance sensing for studying the attachment and growth of osteoblastic MC3T3 E1 cells on nanocomposites surface and the effect of growth factor	Jing Huang, Jun Zhong, Shizhen Chen, Jinliang Wei, Aidong Zhang
P84	Fabrication of dispersible graphene/gold nanoclusters hybrid and its potential application in electrogenerated chemiluminescence	Yun Chen, Yuanyuan Shen, Dong Sun, Danbi Tian, Jianrong Zhang,* and Jun-Jie Zhu*
P85	Immobilization of hemoglobin on nio nanoparticles matrix and biosensors	Zong Shui-Zhen , Xu Xiao-Xing, Zhao Ling-Xian
P86	Synthesis and assembly of Ni(OH) ₂ nanoparticle films in aqueous solution with a small amount of toluene to induce the film formation on aqueous surface, and study of their electrocatalysis toward biomolecules	Huihui Wang, Xiaoxue Qi, Qiaoqiao Ren, Ying Mu, Yuqing Miao
P87	Ultrasensitive DNA biosensor based on signal amplification of electrochemical catalytic reduction of O ₂ by porphyrin	Jie Li, Jianping Lei,* Huangxian Ju*
P88	Disposable electrochemical immunosensor using carbon spheres/gold nanoparticle composite as label for signal amplification	Xu Qiunan, Leng Chuan, Wu Jie, Huangxian Ju*

SESSION D: Mass Spectrometry / Atomic and Molecular Spectroscopy / Separation Science / Environmental Analysis / Food and Drug Analysis / Miniaturization Technology / Sampling and Sensor Technology / Materials Analysis

Chairpersons: Prof Hongzhen Lian, Prof Zhen Liu

No	Presentation name	Authors
P89	Determination of cellular uptake and subcellular distribution of transferrin- anticancer metallodrug complexes in Carcinoma cells by ICP-MS/OES	Wei Guo, Fuyi Wang
P90	Precise and rapid determination of Sr isotope ratio by MC-ICP-MS (Multi-collector high resolution ICP MS)	Hyung Seon Shin, Jong – Sik Ryu*, Min Seok Choi
P91	Separation of Mg from the interference for Mg isotope analysis	Min Seok Choi, Jong–Sik Ryu*, Hyung Seon Shin
P92	Modified mesoporous silica SBA-15 for MALDI-TOF MS analysis of various small molecules	Xiuhua Li
P93	MALDI MS profiling of serum phosphopeptides using zirconium arsenate-modified silica nanoparticles	Pei-Xuan Zhao, Xiao-Feng Guo, Hong Wang, Chu-Bo Qi, He-Shun Xia, Hua-Shan Zhang
P94	Trace bioanalysis of oxysterols using LC-MS/MS	Ratna Karuna, Isabelle Christen, Alban Muller, Andreas W. Sailer, Juan Zhang
P95	A proteome quantification pipeline for methylation isotope labeling	Liqi Xie; Pengyuan Yang; Haojie Lu
P96	Analyzing and optimizing of tandem mass spectrometry (MS/MS) quantitative data	Aiyong Nie, Lei Zhang, Guoquan Yan, Jun Yao, Yang Zhang, Haojie Lu, Pengyuan Yang, Fuchu He

P97	Discrimination of isomeric hybrid and complex type N-linked glycans using endoglycosidase combined with MALDI mass spectrometry	Wei Zhang, Hong Wang, Chen Xie and Pengyuan Yang
P98	N-glycosylation pattern of the membrane protein CD82 (KAI1)	Hong Wang, Wei Zhang and Pengyuan Yang
P99	Itraq labeling followed two-dimensional liquid chromatography and tandem mass spectrometry for secretome analysis	Huali Shen, Yanyan Yu, Chengpin Shen, Pengyuan Yang
P100	A new method for quantitative analysis of cell surface glycoproteome	Zhen Sun, Rui Chen, Kai Cheng, Hongwei Liu, Hongqiang Qin, Mingliang Ye, Hanfa Zou*
P101	Classification of soil samples using EESI-MS combined with principal component analysis	Susu Pan, Xiaoqi Lai, Jianhua Ding, Bin Jia, Jiang Wang, Huanwen Chen
P102	Ambient ionization of non-polar chemicals for mass spectrometric analysis	Xinglei Zhang, Ouyang Yongzhong, Bin Hu, Huanwen Chen
P103	Observation of symmetric dissociation of hemoglobin by electrospray ionization mass spectrometry	Wenjie Zhao, Xin Lin, Bo Su and Xian Wang*
P104	Measurement of non-covalent interactions by mass spectrometry	Xiaoxiao Ma, Zhenwei Wei, Yue Peng, Sichun Zhang, Xinrong Zhang
P105	Manipulation of protein charge state distributions through inductive assisted electrospray ionization: A new ambient ionization technique	Yue Peng, Sichun Zhang, Xiaoxiao Ma, Xiaoyun Gong, Yueyin Liu, Zhenwei Wei, Chengdui Yang, Zhi Xing, Xinrong Zhang
P106	Low-temperature plasma ionization source for the online detection of indoor volatile organic compounds	Xiaoyun Gong, Yue Peng, Sichun Zhang, Xinrong Zhang
P107	Study of noncovalent interactions between cisplatin-duplex DNA complex and HMGB1 by hydrogen/deuterium exchange mass spectrometry	Zhifeng Du
P108	Determination of magnesium speciation in plasma of type 2 diabetic patient by capillary electrophoresis inductively coupled plasma optical emission spectrometry	Xi Ning, Yingzi Wang, Pingchuan Zhu and Biyang Deng
P109	Calcium speciation in Rat serum using capillary electrophoresis-inductively coupled plasma- optical emission spectrometry	Jinrong Feng, Pingchuan Zhu, Xianfeng Li and Biyang Deng
P110	Rapid determination of manganese and magnesium in honey by flame atomic absorption spectrophotometry	Jinbiao Zhang, Biqing Zhou
P111	Selective determination of trace mercury in sea foods by displacement dispersive liquid-liquid microextraction and graphite furnace atomic absorption spectrometry	Pei Liang, Yajun Mo
P112	Dielectric barrier discharge-cold excitation emission spectrometry for the analysis of H ₂ S	Zhong-Chen Wu, Ming-Li Chen, Ping Li, Qian-Qian Zhu, Jian-Hua Wang
P113	Ion imprinted-restricted accessed polymer solid phase extraction combined with inductively coupled plasma-optical emission spectrometry for the determination of trace Copper and Zinc in urine and serum samples	Chao Cui, Bin Hu, Lu Peng

P114	Titania coated hollow fibre microextraction combined with electrothermal vaporization-inductively coupled plasma mass spectrometry for trace elements analysis	Fan Wang, Man He, Bin Hu
P115	Preparation and modification of surface-enhanced raman spectroscopy substrates	Yongchao Lai, and Jinhua Zhan
P116	Highly sensitive and interference-free determination of Se(IV) by AFS with nano-TiO ₂ preconcentration and slurry sampling in situ hydride generation	Dongyan Deng, Xi Ai, Penchi Deng, Chengbin Zheng, Xiandeng Hou
P117	On-line mercury speciation by selective cold vapor generation-AFS	Ying Gao, Chengbin Zheng, Xiandeng Hou*
P118	Element imaging of blue and white porcelain with a low-temperature plasma probe coupled with ICP-MS	Zhi Xing, Meng Yang, Sichun Zhang, Xinrong Zhang
P119	Low temperature plasma assisted hydrides generation: determination of arsenic, tellurium, antimony and selenium by atomic fluorescence spectrometry	Zhi Xing, Meng Yang, Sichun Zhang, Xinrong Zhang
P120	Exhaled breath diagnosis for breast cancer using in-situ enrichment and cataluminescence sensor array	Yayan Wu, Sichun Zhang, Fang Wen, Yonghui Liu, Kong Hao, Xinrong Zhang
P121	Synthesis of a molecularly imprinted monolithic fiber for solid-phase microextraction of acetaldehyde from head-space of beverages stored in poly(ethylene terephthalate) bottles	Afshin Rajabi Khorrami, Elham.Narouenezhad
P122	Preparation of a fiber coating for selective solid-phase microextraction based on molecular sol-gel imprinting process: application for GC/MS determination of caffeine in human serum	Afshin Rajabi Khorrami, Amene Rashidpur
P123	One-pot synthesis of N,N-Bis[2-methylbutyl] imidazolium hexafluorophosphate-TiO ₂ nanocomposites for protein isolation	Hao Meng, Xu Wei Chen, Jian-Hua Wang
P124	Headspace solid phase microextraction coupled to gas chromatography with flame ionization detector for the analysis of aldehydes in edible oil	Jiaojiao Ji, Xinhong Song, Yaqi Jiang, Yiru Wang, Xi Chen*
P125	Electrophoresis separation coupled with microextraction for analysis complex sample	Song Li
P126	Pre-column derivatization coupled to high performance liquid chromatographic determination of thiol compounds in human plasma with a new fluorescence probe	Hong Zhu, Hui-Wen Yao, Xiao-Feng Guo, Hua-Shan Zhang, Hong Wang
P127	Simultaneous analysis of amino acid neurotransmitters by capillary electrophoresis with laser-induced fluorescence detection using a new probe: 1,3,5,7-tetramethyl-8-(N-hydroxysuccinimidyl butyric ester)-difluoroboradiaza-s-indacene	Xu-Xia Ge, Hui-Wen Yao, Zi-Xing Zhang, Xiao-Feng Guo, Hua-Shan Zhang, Hong Wang
P128	Monitoring nitric oxide release behavior of a single cell by using a novel water-soluble BODIPY-based fluorescent probe	Zi-Xing Zhang, Hui-Wen Yao, Xiao-Feng Guo, Hua-Shan Zhang, Hong Wang
P129	On-capillary derivatization and laser-induced fluorescence detection for nitric oxide by capillary zone electrophoresis	Zi-Xing Zhang, Hui-Wen Yao, Xiao-Feng Guo, Hua-Shan Zhang, Hong Wang
P130	High resolution separation of graphene oxide by capillary electrophoresis	Jingjing Zhao, Guifen Chen, Wei Zhang, Peng Li, Jifeng Liu, Ruixin Dong, Xunling Yan, Jianbo Jia

P131	Separation and determination of three polyphenols in tobacco by capillary electrophoresis	Fuwei Xie, Ruobing Qi, Ajuan Yu, Feifei Xu, Yaxiao Guo, Shusheng Zhang
P132	Study on pyrolysis of tobacco polyphenols with stepwise Py-GC/TOFMS	Fuwei Xie, Jizhao Guo, Kehua Yuan, Qiaoling Xia, Li Ding, Shusheng Zhang
P133	An integrated protein pretreatment device as the interface of two-dimensional high performance liquid chromatography system for high throughput human serum proteome analysis	Huiming Yuan, Hao Jiang, Zhongpeng Dai, Lihua Zhang, Zhen Liang, Yukui Zhang
P134	Magnetic separation of cesium by Prussian blue modified magnetite from water	Takahiro Sasaki, Shunitz Tanaka
P135	A rigid polyacrylamide-based strong anion-exchange monolithic capillary column for capillary electrochromatography	Jing Dong, Mingliang Ye, Hanfa Zou
P136	Preparation of highly water-dispersible Fe ₃ O ₄ @SiO ₂ microspheres and the application in lysozyme separation	Guoqing Zhang, Na Li, Feng Liu*
P137	Preparation of butyl-silica hybrid monolithic capillary column by "one-pot" process	Zhenbin Zhang, Jing Dong, Junjie Ou, Hanfa Zou
P138	Effective isolation and identification of putative basophilic and acidiphilic kinase substrate using Ti-IMAC coupled with Strong Anion Exchange fractionation	Mingming Dong, Chunli Wang, Manyu Zhang, Chunxia song, Yanbo Pan, Mingliang Ye, Hanfa Zou*
P139	An imprinted monolithic column with dopamine as the functional monomer for the on line selective separation of the protein	Man Jia, Lei Qin, Xi-Wen He and Wen-You Li*
P140	Immuno-magnetic beads-based extraction and capillary zone electrophoresis with deep UV laser-induced fluorescence for the separation and detection of erythropoietin	Heye Wang, Peng Dou, Chenchen Lü, Zhen Liu
P141	Different pharmacokinetics of paeoniflorin, salvianolic acid B and calycosin-7-O-β-D-glycoside after oral administration of mBHT and single herbal dug	Jianbo Chen, Tae Jin Kim, Enqi Wu, Kwan Jun Lee, Sang Hyuck Kim, Van Men Chu, Yong Ki Park, Wonjae Lee, Jong Seong Kang*
P142	Comparative pharmacokinetics between pure amygdalin and amygdalin in decoction of peach seed in Rat	Jianbo Chen, Tae Jin Kim, Enqi Wu, Kwan Jun Lee, Sang Hyuck Kim, Dae Hyeon Kim, Van Men Chu, Wonjae Lee, Jong Seong Kang*
P143	Effects of processing methods on the ginsenoside contents in root and leaves and flower of Panax ginseng	Eun Young Seo, Sang Hyuck Kim, Dae Hyeon Kim, Van Men Chu, Kwan Jun Lee, Jianbo Chen, Yu Seon Jang, Tae Jin Kim, Won jae Lee, and Jong Seong Kang
P144	Quality evaluation of Alismatis Rhizoma using multiple component analysis by HPLC	Chu Van Men, Eun Young Seo, Yu Seon Jang, Kwan Jun Lee, Tae Jin Kim, Young Sik Park, Young Ho Kim, Sang Hyuck Kim, Eun Ran Woo, Jong Seong Kang

P145	Effects of the decoction water on the extraction of bioactive compounds from Cyperus Rhizome	Kwan Jun Lee, Dae Hyeon Kim, Yu Seon Jang, Enqi Wu, Jianbo Chen, Van Men Chu, Eun Young Seo, Tae Jin Kim, Dong Hee Kim, Won Jae Lee and Jong Seong Kang*
P146	Chromatographic enantiomer resolution of amino acid esters as 9-anthraldimine Schiff base derivatives on coated and covalently bonded chiral stationary phases derived from polysaccharide derivatives	Hu Huang, Sang Hyuck Kim, Wen Jun Xu, Kwan Jun Lee, Jong Seong Kang and Wonjae Lee*
P147	Influential characteristics in decoction extraction effect of corydalis tuber for the several types of water by multiple factor analysis	Tae Jin Kim, Yu Seon Jang, Eun Young Seo, Kwan Jun Lee, Enqi Wu, Jianbo Chen, Van Men Chu, Dong Hee Kim, Jong Seong Kang
P148	The effect of alcoholic and acidic modifier on separation of enantiomers of some decursin derivatives on cellulose based chiral stationary phase chiralcel OD-H by high performance liquid chromatography	Enqi Wu, Dae Hyeon Kim, Yu-Seon Jang, Kwan Jun Lee, Eun Young Seo, Gyu Yong Song, Hu Huang, Wonjae Lee, Jong Seong Kang
P149	Chromatographic fingerprint and discriminant analysis for the quality evaluation of Lonicerae folium et caulis by HPLC	Chu Van Men, Dae Hyeon Kim, Yu Seon Jang, Kwan Jun Lee, Eun Young Seo, Young Ho Kim, Jong Seong Kang
P150	Simultaneous determination of several polar phytohormones by surfactant assisted stir bar sorptive extraction-high performance liquid chromatography	Wei Wang, Man He, Bin Hu
P151	Flow injection chemiluminescence determination of clomipramine with acidic potassium permanganate-formic acid	Yao Xun, Ji Zhongling, Li Jianguo*
P152	The molecularly imprinted polymers-coated carbon nanotubes as affinity adsorbents for the enrichment of nafcillin	Yuxing Liu, Ruixia Gao, Xiwen He, Langxing Chen, and Yukui Zhang
P153	Mono- and polyclonal antibody enzyme-linked immunosorbent assays (ELISA) for the detection of 3-amino-5-methymorpholino-2-oxazolidinone (AMOZ) in food sample	Juan Song, Yuzhen Wang, Anping Deng
P154	Gas purge liquid phase microextraction and gas chromatographic determination of volatile and semivolatile chemicals in environment samples	Cui Yang
P155	Ultrasound-assisted ionic liquid dispersive liquid-liquid microextraction combined with high performance liquid chromatography for the determination of four fungicides in water samples	Pei Liang, Qin Wan
P156	Three-dimensional fluorescence characterization of dissolved organic matter from wheat straw	Fanhui Meng, Xia Wu
P157	Determination of alkylphenols using ionic liquid based solid phase microextraction	Jinxue Qiu
P158	Sonochemical synthesis of highly blue-emitting supramolecular hydrogel	Tingyao Zhou, Chunyan He, Xi Chen
P159	Solidified floating organic drop microextraction combined with HPLC-ICP-MS for speciation of organotin compounds in water and sediment samples	Yunli Wu, Beibei Chen, Bin Hu

P160	Glucose sensing via binding site pre-blocking in fluorescence resonance energy transfer between quantum dots of different sizes	Bo Hu, Li-Pei Zhang, Mei-Ling Chen, Jian-Hua Wang
P161	Label-free colorimetric biosensing of ascorbic acid based on fenton reaction with unmodified gold nanoparticle probes	Li-Pei Zhang, Bo Hu, Jian-Hua Wang
P162	Immunomagnetic assay combined with CDSE/ZNS amplification of chemiluminescence for the detection of abscisic acid	GuoHua Zhou, Ping Wang, Ju Yuan, Ting Qiu, ZhiKe He
P163	A self-cleaning interference sensor based on modulated TiO ₂ nanotube stacks	Yanyan Song
P164	High sensitivity flow cytometry ³ / ₄ a versatile platform for nanoparticle sizing via single particle detection	Shaobin Zhu, Shuo Wang, Yun Zhang, Lingling Yang, Wei Hang, and Xiaomei Yan
P165	Small mesoporous silica nanoparticles as carriers for enhanced photodynamic therapy	Jie Zhu, Huixiang Wang, Lei Liao, Yunhua Wang, Baohong Liu*
P166	Method of dispersive liquid-liquid microextraction based on capillary collection of low density extractants	Krylov V.A., Krylov A.V., Bochkareva L.V., Mosyagin P.V., Matkivskaya Ju.O., Volkova V.V.
P167	An integrated microfluidic concentration gradient chip for high-throughput cell apoptosis assay	Chun-Guang Yang, Ying-Fan Wu, Zhang-Run Xu, Jian-Hua Wang
P168	A microfluidic chip for generating gradient of multiple neuron guidance factors	Wei Zou, Rongrong Xiao, Weihua Huang*

Part II Instruction for Presentations

Oral Presentation

Devices Provided by the Conference Organizer:

- Laptops (with MS-Office & Adobe Reader)
- Projectors & Screen
- Laser Sticks

Materials Provided by the Presenters:

- PowerPoint or PDF files

Duration of Each Presentation (Tentatively):

- Plenary Report: 30 Minutes of Presentation, 5 Minutes of Q&A
- Invitation Report: 20 Minutes of Presentation, 5 Minutes of Q&A
- Oral Report: 15 Minutes of Presentation, 5 Minutes of Q&A

Poster Presentation

Materials Provided by the Presenters:

- Home-made Posters

Requirement for the Posters:

- Material: not limited, can be posted on the Canvases
- Size: A0 (wide×high: 841mm×1189mm)
- Content: for demonstration of the presenter's paper

Part III Hotel Information

The 11th Asian Conference on Analytical Sciences (ASIANALYSIS XI) will be hold in Jinling Conference Center located at Nanjing International Expo Centre (No. 300, Middle Jiangdong Avenue, Nanjing), along with Jinling Expo Hotel for domestic attendees and Nanjing Zhenbao Holiday Hotel (www.zbhhotel.cn) for overseas attendees, Nanjing, China.

1. Nanjing International Expo Centre

Nanjing International Expo Centre (NIEC), which is located in the center of Nanjing Hexi New Town, is designed by TVS of America with the unique architectural style of Chinese-western integration and the most advanced facilities for exhibition and conference. The flight from main Asian cities, and the express railway or highway from Shanghai or Beijing are convenient. The underground with two subway lines from railway station and city center arrives at the Expo Centre. The Expo Centre is 25 km away from Nanjing Lukou International Airport. Buses 85, 92 and 161 drive from the city center directly to the Expo Centre.

Homepage: <http://nanjingexpo.com.cn/exportal/index.asp>

2. Hotel Rooms

The price for the hotel rooms in Jinling Expo Hotel (No. 300, Middle Jiangdong Avenue):

Rate	Price
A. Superior Room	¥ 348/night (breakfast included) —about \$55/night
B. Deluxe Room	¥ 378/night (breakfast included) —about \$60/night
C. Executive Room	¥ 428/night (breakfast included) —about \$65/night

The price for the hotel rooms in Nanjing Zhenbao Holiday Hotel for overseas attendees (No.188, Middle Jiangdong Avenue

Rate	Price
D. Single Room:	¥ 378 /night (breakfast included) —about \$60/night
F. Double Room:	¥ 378 / night (breakfast included) —about \$60/night

The price is available only for the conference attendees. If you need the organizing committee to help you reserve the room, please send an E-mail with the title "Room Booking" to dingyin@nju.edu.cn and tell us your booking information including:

1. Your registration number
2. Room Booker
3. The room style (A, B or C)
4. The room format (Two-bed Room or one-bed Room)
5. The date of check-in
6. The date of check-out

Please Note:

1. Keep your E-mail Contact unobstructed.
2. Please send your booking information before August 15, 2011. Our confirmation reply is necessary to your reservation.

3. How to Get to the Nanjing International Expo Centre (Hotel)

From the Nanjing LuKou International Airport:

Take a taxi to Nanjing International Expo Centre (Hotel), No. 300 Middle Jiangdong Road, Nanjing, Jiangsu (fee: about RMB 100 Yuan. Time: 40 minutes)

From Nanjing Railway Station:

Take a taxi to Nanjing International Expo Centre (Hotel), No. 300 Middle Jiangdong Road, Nanjing, Jiangsu (fee: about RMB 40 Yuan. Time: 30 minutes)

From Nanjing South Railway Station:

Take a taxi to Nanjing International Expo Centre (Hotel), No. 300 Middle Jiangdong Road, Nanjing, Jiangsu (fee: < RMB 15 Yuan. Time: 10 minutes)

From the Long Distance Bus Station:

Take a taxi to Nanjing International Expo Centre (Hotel), No. 300 Middle Jiangdong Road, Nanjing, Jiangsu (fee: about RMB 40. Time: 30 minutes)

(The Above traffical information is for your reference only)

For non-Chinese speaker, please show the following picture to the driver if you are taking a taxi:

请送我到:

南京江东中路300号 国际博览中心酒店

Please take me to:

Nanjing Jinlin Expo Hotel, No. 300 Middle Jiangdong Road, Nanjing

If you live in the Zhenbao Holiday Hotel (南京珍宝假日饭店, for oversea attendees):

Please go to Jinling Expo Hotel firstly. We will arrange shuttles to send you to your hotel.

Part IV Contact Us

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