



2010 China-Japan-Korea Symposium on Analytical Chemistry, Wuhan, China, October 31-November 2, 2010

Venue: Fengyi Hotel

Oct. 31 Registration

Nov. 1 8:00-8:30 Opening Ceremony, Chairperson: Prof. Zilin Chen

Remarks by Prof. J-M Lin/ Wuhan Univ/ Prof. H Nakamura/Prof. D-S Lee

Chair persons: Jin Ming Lin, Hiroshi Nakamura

- 8:30-8:55 PL1 **Shouzhuo Yao**, Chemo/biosensing Techniques Using New Functional Materials
8:55-9:20 PL2 **Koji Otsuka**, High-sensitive Microscale Electrophoretic Separations Using On-line Sample Concentration Techniques.
9:20-9:45 PL3 **Mango Kim**, Overview of Recent Development of Standard Methods related to Car Cabin Interior Air Quality in ISO.
9:45-10:10 PL4 **Hsueh-Chia Chang**, A New Nucleic Acid Detection Platform based on Electrokinetics of Nanoporous Membranes.

Chair persons: Koji Otsuka, Hsueh-Chia Chang

- 10:25-10:50 PL5 **Yukui Zhang**, New Methods and Platforms for Liquid Phase based Proteome Separation and Identification.
10:50-11:15 PL6 **Osamu Niwa**, Electrochemical Determination of Urinary Damaged DNA Molecules by Using a Sputtered Nano-carbon Film Electrode.
11:15-11:40 PL7 **Huangxian Ju**, Specific Assay Methods for Cell Surface Carbohydrates and Their Dynamic Monitoring during Action of Cells with Drugs.
11:40-12:05 PL8 **Kinichi Tsunoda**, Optical Waveguides for Interface Studies and Chemical Sensing.
12:05-12:30 PL9 **Jianhua Wang**, Separation and Sensing of Biomacromolecules with Ionic Liquids.
12:30-2:00 **Lunch and poster presentation (Odd Numbers)**
1:00-1:45 **Shimadzu Lunch Time Seminar: Introduction of Ultra Fast Mass Spectrometer LCMS-8030**

Chair persons: Abdul Malik, Gongke Li

- 2:00-2:25 PL10 **Daiwen Pang**, Quantum Dots' Today and Tomorrow.
2:25-2:45 KL1 **Hiroshi Nakamura**, Determination of Biogenic Volatile Compounds by GC-MS.
2:45-3:05 KL2 **Jaeho Ha**, Determination of Hexanal as an Oxidative Marker in Vegetable Oils Using an Automated Dynamic Headspace Sampling Coupled to GC-MS.
3:05-3:25 KL3 **Yi Chen**, Surface Plasmon Resonance Imaging.
3:25-3:45 KL4 **Huwei Liu**, Enantioseparation of phytohormone Jasmonic Acid Stereoisomers by CE-ESI-QTOF MS Employing Partial Filling Technique.

Chair persons: Jaeho Ha, Rui Zhao

- 4:00-4:20 KL5 **Koichi Oguma**, Combination of On-line Separation with Spectrophotometric Detection for Determination of Trace Toxic Metals in



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- Environmental Samples.
- 4:20-4:40 KL6 **Zongwei Cai**, Mass Spectrometry Investigations on the Environmental Fate, Degradation and Biological Metabolism of Triclosan.
- 4:40-5:00 KL7 **Seung-Woon Myung**, Analytical Methods and Occurrence of Pharmaceuticals and Personal Care Products (PPCPs) from Environmental Samples and Treated Drinking Water in South Korea.
- 5:00-5:15 KL8 **Hailong Wu**, Using Smart Multiway Calibration Methods for Direct Quantitative Analysis in Complex Chemical Systems.
- 5:15-5:30 OP1 **Kang-Bong Lee**, Herbicide Contaminations for Live Armclad Rockfish, Clam and Pen Shell by Moss Control Agents Used in Aquarium of Seafood Restaurant in Korea.
- 6:30-8:30 **Conference Banquet Dinner (Shimadzu Night)**

Nov. 2

Chair persons: Kazuhiko Tanaka, Sunyoung Bae

- 8:00-8:20 KL9 **Chengzhi Huang**, Long Range Resonance Energy Transfer and Its Applications in Biomedical and Pharmaceutical Analysis.
- 8:20-8:40 KL10 **Toyohide Takeuchi**, Supplementary Stationary Phases for Ion Chromatography.
- 8:40-9:00 KL11 **Huiru Tang**, Metabonomic Analysis Reveals the Molecular Aspects of Liver Diseases.
- 9:00-9:20 KL12 **Katsumi Uchiyama**, Preparation of Three Dimensional Ordered Micro Structures and its Application to Micro Scale ELISA.
- 9:20-9:40 KL13 **Qun Fang**, Automated Droplet-based Microfluidic Analysis Systems.
- 9:40-10:00 KL14 **Masami Shibukawa**, Use of Superheated Water as Eluent to Alter Separation Selectivity in Ion-exchange Chromatography.

Chair persons: Dong Sun Lee, Hiroshi Sato

- 10:15-10:30 KL15 **Sunyoung Bae**, Physicochemical Characterization of Biochars Generated by Hydrothermal Carbonization of Swine Manure.
- 10:30-10:50 KL16 **Baohong Liu**, TiO₂-Assisted Biosensor for Kinase Activity Profiling.
- 10:50-11:10 KL17 **Hideaki Hisamoto**, Bioanalytical Microdevices Based on Reagent-Release Capillary Array.
- 11:10-11:30 KL18 **Abdul Malik**, Germania-based Sol-Gel Sorbents and Stationary Phases in Chromatographic Analysis.
- 11:30-11:50 KL19 **Shusheng Zhang**, Dendrimer-like DNA as Probe for Cancer Cells Amplified Assay.
- 11:50-12:10 KL20 **Qiuquan Wang**, ICPMS-based Peptide and Protein Quantification with Element-labeling Strategies.
- 12:10-12:30 KL21 **Xi Chen**, Electrochemical Enhancement Approaches for Solid-phase Microextraction.
- 12:30-2:00 **Lunch and Poster presentation (Even Numbers)**



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Chair persons: Toshihiko Imato, Yuqing Miao

- 2:00-2:20 KL22 **Yuki Hashi**, New Approach of Simple Pretreatment Using an Improved MonoSpin C18-SPE Method Coupled to UHPLC-ESI-MS.
- 2:20-2:35 KL23 **Zhen Liu**, Novel Boronic acid Functionalized Monoliths and Nanoparticles.
- 2:35-2:50 KL24 **Yang Tian**, Real-Time Electrochemical Monitoring of Cellular Biomolecules Integrated with In-situ Selective Cultivation of Living Cells.
- 2:50-3:05 KL25 **Daisuke Kozaki/Kazuhiko Tanaka**, The Development of Advanced Ion Chromatographic System using Water Eluent for Determining Simultaneously Eutrophication Components in Environmental Waters.
- 3:05-3:20 KL26 **Qiang Fu/ Langchong He**, Preparation and Application of Molecularly Imprinted Polymers.
- 3:20-3:35 KL27 **Guobao Xu**, New Reagents and Electrodes for tris(2,2'-bipyridyl)ruthenium(II) Electrochemiluminescence Analysis.

Chair persons: Yuki Hashi, Tianyan You

- 3:50-4:00 OP2 **Miyoung Yoo/Dongbin Shin**, Validation of High Performance Liquid Chromatography methods for Determination of Bioactive Sulfur Compounds in Garlic Bulbs.
- 4:00-4:10 OP3 **Xiaoquan Lu**, Study on Electrochemical Behaviors of Series of SH-Terminated-Functionalized Porphyrins as Self-Assembled Monolayers on Gold Electrode by SECM.
- 4:10-4:20 OP4 **Makoto Nonomura**, Ion Chromatographic Determination of Fluorine Compound in Flue Gas.
- 4:20-4:30 OP5 **Shuai Guo/Toshihiko Imato**, Compact Disk Type Microfluidics for Chemiluminescence Immunoassay Using Magnetic Microbeads.
- 4:30-4:40 OP6 **Zihui Meng**, Application of Molecularly Imprinted Solid Phase Extraction for the Determination of Estrogens in Environmental Samples.
- 4:40-4:50 OP7 **Ikko Mikami**, Sensitive Determination of Thiosulfate based on its Reaction with Ce(IV) in the Presence of Ethanol and the Fluorescence Detection of Ce(III).
- 4:50-5:10 KL28 **Jin-Ming Lin**, The Development of Surface Tension Induced Control and Manipulation inside Microchannels.

5:10-5:30 Closing Remarks

Chairperson: Prof. Bifeng Liu

Remarks by Prof. Zilin Chen and Dr. Tsuneaki Maeda

Invitation by Prof. Dong-Sun Lee for CJK2011

Poster Presentation

Poster size: 90 cm (wide) x 120 cm (high)

Nov. 1: Odd number , Nov. 2: Even number