

**Preliminary Program** (Feb. 18, 2011)

- 1) The presentation number is written in the form of date + am or pm + room + order.
- 2) The presentation time and the order of presentation might be changed in the final program.
- 3) Only registered presentations of the contributed papers will be included in the final program. The Early Registration is highly recommended.
- 4) The presentation time of the contributed paper in the general oral session will be less than 15 min in the final program.

**Monday, May23 (am) Main Hall**

Start	Number	Submission ID	Presenter	Presentation Title
<b>Plenary Lectures</b>				
9:30	23aM01 (Plenary)	ICAS11-P1182	Richard N. Zare	Mass Spectrometric Detection of Intermediates in Liquid Reactions by Desorption Electrospray Ionization
10:30	23aM02 (Plenary)	ICAS11-P0034	Yoshinobu Baba	Nanobiodevice from Single Biomolecule and Cell Analysis to Biomedical Applications
11:30	23aM03 (Plenary)	ICAS11-P1200	Nongjian Tao	Plasmonics-Based Electrochemical Sensing and Imaging Techniques: from Electrocatalysis to Single Cell Studies

**Monday, May23 (pm) Room A**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S10) Nanoparticles and Nanomaterials</b>				
14:30	23pA01 (Keynote)	ICAS11-P0114	Kwan Kim	SERS: A Powerful Tool for Chemical Identification
15:00	23pA02	ICAS11-P0722	Nobuo Uehara	Thermal-Induced Growth of Gold Nanoparticles Conjugated with Thermoresponsive Polymers
15:20	23pA03 (Invited)	ICAS11-P0116	Yasuro Niidome	Anisotropic Core-shell Au-Ag Nanorods for Biosensing
15:45	23pA04	ICAS11-P0610	Nikolay Dubinin	Wills-Harrison Pair Interaction in Transition Metals: from Crystals to Nanoparticles
16:05	Break			
16:25	23pA05 (Invited)	ICAS11-P1034	Jianfang Wang	Plasmonic Properties of Gold Nanocrystals
16:50	23pA06	ICAS11-P0990	Takehiko Tsukahara	Syntheses of Metal Complex Nanoparticles Using Water-in-scCO <sub>2</sub> Microemulsions
17:05	23pA07	ICAS11-P0608	Kwati Leonard	Detection of Analyte-Receptor Reactions Using Plasmonic Gold Nanorod Transducers
17:20	23pA08	ICAS11-P0604	Xiaomei Yan	Development of High-Sensitivity Flow Cytometry for Quantitative and Multiparameter Characterization of Individual Nanoparticles
17:35	23pA09	ICAS11-P1056	Kosuke Sugawa	Photocurrent Properties of Phthalocyanine Derivative Modified on Gold Nanoparticle Films Using Total Internal Reflection

**Monday, May23 (pm) Room B1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S05) Micro-analysis and Microfluidics + S14) Omics</b>				
14:30	23pB101 (Keynote)	ICAS11-P1121	Young-Ki Paik	Liver Cancer Biomarkers: from the Proteomic Discovery to Clinical Applications
15:00	23pB102 (Keynote)	ICAS11-P1204	Luke Lee	Bionanoscience via Satellite Nanoscopes
15:30	23pB103 (Invited)	ICAS11-P0098	Mitsutoshi Setou	Spatial Metabolomics Revealed by Imaging Mass Spectrometry
15:55	23pB104 (Invited)	ICAS11-P0186	Kahp-Yang Suh	Kidney and Heart Chips for Drug Screening and Tissue Engineering
16:20	Break			
16:40	23pB105	ICAS11-P0062	Clifton Keith Fagerquist	Top-Down Proteomic Identification of Shiga Toxin from Escherichia coli Using MALDI-TOF-TOF-MS/MS
17:00	23pB106	ICAS11-P0048	Hung Wing Li	Inhibition of Beta 1-40 Amyloid Fibrillation with Quantum Dots
17:20	23pB107	ICAS11-P0514	Daisuke Onoshima	A Quantitative Method for Measuring Degradation of Single DNA and Protein Molecules in Fluid
17:40	23pB108	ICAS11-P0862	Makoto Takemasa	Single Molecular Analysis of Glycans Using a Nanopore

**Monday, May23 (pm) Room B2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S16-b) Environmental Analysis: Advanced Analytical Techniques and Environmental Chemistry of Metals and Metalloids</b>				
14:30	23pB201 (Keynote)	ICAS11-P1111	Kevin Francesconi	Application of Mass Spectrometry to Unraveling the Marine Environmental Chemistry of Arsenic
15:00	23pB202 (Invited)	ICAS11-P0833	Qiuquan Wang	Bioaccumulation and Biotransformation of Cadmium and Mercury
15:25	23pB203 (Invited)	ICAS11-P1171	Shuichi Enomoto	The Multiple Molecular Imaging to Use for the Metabolic Studies in Animal and Plants
15:50	23pB204 (Invited)	ICAS11-P1116	Kin-ichi Tsunoda	Possibilities of Electrospray Ionization Mass Spectrometry for the Determination of Inorganic Ions in Environmental Samples
16:10	Break			
16:30	23pB205	ICAS11-P0317	Nobuhiko Iki	Highly Selective and Sensitive Method to Determine ppb Levels of Exchangeable Cd and Pb in Soil Using Rapid Leaching with Thiocalixarene and Detection with Kinetic-Differentiation Mode HPLC
16:50	23pB206	ICAS11-P0367	Zaini Bin Hamzah	Anthropogenic Heavy Metals, Uranium and Thorium Profiles in Sediments from an Abandoned Tin Mining Lake in Malaysia
17:10	23pB207	ICAS11-P0663	Irina Kubrakova	Platinum and Palladium in Ecosystems: Input, Speciation, Migration
17:30	23pB208	ICAS11-P1072	Sabita Aacharya	Adsorption of Arsenic to Fe Combined Chelex 100 resin
17:45	23pB209	ICAS11-P0434	Nabil Adil Fakhre	Determination of Iron(II) and (III) in Some Thalassemia Patients Using Different analytical Techniques

**Monday, May23 (pm) Room C1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S08) Novel Separation Systems</b>				
14:30	23pC101 (Keynote)	ICAS11-P0134	Boris Myasoedov	Carbon Nanotubes for Solid-Phase Extraction of Radionuclides from Solutions
14:50	23pC102 (Invited)	ICAS11-P1077	Daniel T Chiu	Sample Digitization and Chemical Separation
15:10	23pC103	ICAS11-P0890	Akira Ohashi	Distribution Enhancement of Tris(acetylacetonato)cobalt(III) between Supercritical Carbon Dioxide and Water by the Addition of 3,5-Bis(trifluoromethyl)phenol
15:30	23pC104	ICAS11-P0142	Akira Yamaguchi	Nanofluidic Separation System Based on a Hybrid Mesoporous Membrane
15:50	Break			
16:10	23pC105	ICAS11-P0368	Xuedan Song	Solvent Acid-Base Property of a Series of Protic Ionic Liquids Composed of Ammonium Cation with 2-Hydroxyethyl Groups
16:30	23pC106 (Invited)	ICAS11-P0532	Doo Soo Chung	Three-Phase Single Drop Microextraction of Amino Acids for Capillary Electrophoresis
16:50	23pC107	ICAS11-P0210	Uma Sharma	Calcium Selectivity in Liquid Membrane Transport using Anthraquinone Derived Redox Switched Synthetic Ionophores
17:10	23pC108	ICAS11-P0369	Takuya Kubo	The Basic Study of Spongy Monoliths and its Applications
17:30	23pC109	ICAS11-P0086	Yuegang Zuo	Hydrophilic Interaction High Performance Liquid Chromatographic Determination of Creatinine and Uric Acid in Human Urine Samples

**Monday, May23 (pm) Room C2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S11) Microparticle and Interface Analysis</b>				
14:30	23pC200			
14:35	23pC201 (Keynote)	ICAS11-P1064	Geraldine Richmond	Oil-on-Water: Insights into the Fascinating Properties and Opportunities for Discovery at this Unique Interface
15:05	23pC202	ICAS11-P0709	Satoshi Tsukahara	<i>In Situ</i> Measurements of Reversible Adsorptions of Single Protein Molecules to Phospholipid Monolayers Prepared at Hexadecane/Water Interface by Total Internal Reflection Fluorescence Microscopy
15:25	23pC203 (Invited)	ICAS11-P1058	Robert A. Walker	Nonlinear Optical Studies of Solvation at Liquid Interfaces
15:50	Break			
16:10	23pC204 (Keynote)	ICAS11-P0829	Hitoshi Watarai	Microparticle and Interface Analyses by using External Forces
16:40	23pC205	ICAS11-P0513	Shoji Ishizaka	Laser Trapping and Spectroscopy of Single Supercooled Water Droplets in Air
17:00	23pC206	ICAS11-P0386	Kenji Katayama	Recognition of Reaction Intermediate Species Using Transient Grating Method
17:15	23pC207	ICAS11-P0811	Pelagia Glampedaki	Characterization of Microgel-Functionalized Stimuli-Responsive Textiles by Means of Surface Analysis
17:30	23pC208	ICAS11-P1023	Ruirui Qiao	Receptor-Mediated Delivery of Magnetic Nanoparticles Cross the Blood-Brain Barrier
17:45	23pC209	ICAS11-P0799	Deh Ping Tee	Detection of Diluted Mineral water by a Portable Total Reflection X-ray Fluorescence Spectrometer

**Monday, May23 (pm) Room D**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S07) Sensor Systems</b>				
14:30	23pD01 (Keynote)	ICAS11-P1209	Elizabeth A. H. Hall	Synthetic Biology in Biosensor Design
15:10	23pD02 (Invited)	ICAS11-P0528	Keiichi Kimura	Magic of Sensing Membranes for High-Performance Potentiometric Ion Sensors Based on Neutral Carriers
15:35	23pD03 (Invited)	ICAS11-P0227	Hideaki Hisamoto	Development of the Combinable PDMS Capillary (CPC) Sensor Array towards the Single Step and Multiple Biosensing
16:00	Break			
16:15	23pD04 (Invited)	ICAS11-P1066	Yuji Miyahara	Detection of Biomolecular Recognition Using Bio-transistors
16:40	23pD05	ICAS11-P0081	Zhenxin Wang	Development and Application of Novel Microarray with Gold Nanoparticle Probes
17:00	23pD06	ICAS11-P0036	Tomoyuki Yasukawa	Rapid and Simple Immunosensors Based on Particle Accumulation with Dielectrophoresis
17:20	23pD07 (Keynote)	ICAS11-P1145	Stephen G Weber	Controlling the Properties of Fluorous Materials for Potential Selective Extractions and Sensors

**Monday, May23 (pm) Room E**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S12) Bioanalysis</b>				
14:30	23pE01 (Keynote)	ICAS11-P1057	Kazuhiro Imai	High-Performance Liquid Chromatographic Separation and Detection of Fluorogenic Derivatized Proteins Towards Differential Proteomics Analysis
15:00	23pE02	ICAS11-P0813	Audrey F. Meyer	UPLC/MS/MS Examination of the Mast Cell Secretome
15:15	23pE03 (Invited)	ICAS11-P0754	Tsutomu Masujima	Live Single Cell Video-Mass Spectrometry
15:40	Break			
16:00	23pE04 (Invited)	ICAS11-P1042	Toyofumi Nakanishi	The Detections of Disease-Specific Proteins in Clinical Samples by the Soft-Ionization Mass Spectrometry
16:25	23pE05 (Invited)	ICAS11-P0449	Naoyuki Yamada	Analysis of Human Serum Albumin Redox State in Plasma and its Application for Hepatic Disease Biomarker
16:50	23pE06	ICAS11-P0542	Chatchachaya Chotchayapong	Characterization and Amino Acid Sequence of Myoglobin from Stripped Snake Head Fish ( <i>Ophiocephalus striatus</i> )
17:05	23pE07 (Invited)	ICAS11-P0566	Nariyasu Mano	LC/ESI-MS/MS Method for Therapeutic Drug Monitoring of Sirolimus in Human Whole Blood
17:30	23pE08	ICAS11-P0159	C. Bor Fuh	Protein Detections Using Functional Magnetic Nanoparticles in Thin Channels
17:45	23pE09	ICAS11-P0008	Jean-Francois Masson	Improved Surface Plasmon Resonance Biosensing with Peptide Monolayers
18:00	23pE10	ICAS11-P0382	Atsushi Shoji	Real Time Measurements of Matrix Metalloproteinase-9 Activity by Surface Plasmon Resonance Method

**Monday, May23 (pm) Room I**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S18) Food Science</b>				
14:30	23pI01 (Keynote)	ICAS11-P1027	Hans P. van Egmond	Natural toxins: Occurrence, Intoxications, Analysis and Regulations
15:00	23pI02	ICAS11-P0304	Amanda Reynolds	FAPAS Proficiency Testing for Mycotoxins
15:20	23pI03	ICAS11-P0395	Shiro Miyake	Development of New Immuno-Affinity Column for Aflatoxin and its Reliability under High Organic Solvent Conditions
15:40	23pI04	ICAS11-P0425	Sumonthip Kongtun Janphuk	Investigation of Aflatoxin B1 in Commercial Thai Traditional Medicine Products.
15:55	Break			
16:15	23pI05 (Invited)	ICAS11-P0233	John Gilbert	Recent Developments in Mass Spectrometry for Identification and Quantification of Residues and Contaminants in Food- An Overview
16:40	23pI06	ICAS11-P0578	Sachise Eto	High-throughput Analysis of DL-Amino Acids in Food Samples Using Ultra-high Performance Liquid Chromatography with Circular Dichroism (CD) Detector
17:00	23pI07	ICAS11-P0361	Larisa Poryvkina	Evaluation of Juice Quality Using Spectral Fluorescence Signature Technique
17:20	23pI08	ICAS11-P0308	Jingyuan Xu	Micro-heterogeneity of Corn Hulls Cellulosic Fiber Biopolymer Studied by Multiple-particle Tracking (MPT)
17:40	23pI09 (Invited)	ICAS11-P0822	Tetsuhisa Goto	Ergosterol, a Biomarker for Fungal Invasion of Cereal Grains

**Monday, May23 (pm) Room J**

Start	Number	Submission ID	Presenter	Presentation Title
<b>G01) Spectroscopy / Spectrometry</b>				
14:30	23pJ01	ICAS11-P0197	Yeuk Ki Tsoi	Rapid Speciation of Methylated and Ethylated Mercury in Urine Using Headspace Solid Phase Microextraction Coupled to LC-ICP-MS
14:42	23pJ02	ICAS11-P0283	Shunsuke Kashiwakura	Transient Response of Emission Signals from a Pulsed Glow Discharge Plasma
14:54	23pJ03	ICAS11-P0885	Mikhail Alekseevich Proskumin	Applications and Outlooks of Photothermal Spectroscopy in Analytical Chemistry
15:06	23pJ04	ICAS11-P0228	Juichiro Ukon	Development of Nitrogen Components Analyzer Utilizing Mid-Infrared Quantum Cascade Laser
15:18	23pJ05	ICAS11-P0498	Shigeaki Morita	Infrared Emission Spectra of Methane-Oxygen Diffusion Flames
15:30	23pJ06	ICAS11-P0512	Muhammad Idris Saleh	Structural, Spectroscopic and Luminescence Studies of Some Lanthanide(III)-polyethyleneglycol-picrate Complexes
15:42	23pJ07	ICAS11-P0666	Shigeki Yamamoto	Structural Analyses on Peptides in Solution Based on Raman Optical Activity
15:54	Break			
16:06	23pJ08	ICAS11-P0252	Hideaki Fujiwara	Simultaneous T <sub>1</sub> and T <sub>2</sub> Mapping from Inversion Recovery TrueFISP Experiments for the Robust Assessment of Cardiac Functions
16:18	23pJ09	ICAS11-P0851	Hiroyuki Takei	A Universal Platform for Surface-Enhanced Spectroscopies
16:30	23pJ10	ICAS11-P0106	Yasutaka Kitahama	Analysis of Blinking SERRS Using a Power-law with an Exponential Function
16:42	23pJ11	ICAS11-P0712	Makoto Otsuka	Chemometric Evaluation of Physicochemical Properties of Carbonated-Apatitic Preparation by Using FT-Infrared Spectroscopy
16:54	23pJ12	ICAS11-P1102	Toshiaki Suzuki	Tip Enhanced Raman Scattering (TERS) Study of Styrene-Butadiene Rubber/Multiwall Carbon Nanotubes Nanocomposites
17:06	23pJ13	ICAS11-P0727	Xiaoxia Han	Label-Free Immunoassay Using an Avidin-Induced Surface-Enhanced Raman Scattering Substrate
17:18	23pJ14	ICAS11-P0552	Akira Harata	Design for Highly Sensitive Detection of Non-Labeled Amino Acids Using HILIC with Micro-HPLC/Ultraviolet Thermal Lens Spectroscopy
17:30	23pJ15	ICAS11-P0769	Teiichiro Ogawa	Analytical Laser Spectroscopy as Studied by Patents: Comparison of Patents in Japan with those in USA

**Monday, May23 (pm) Room K**

Start	Number	Submission ID	Presenter	Presentation Title
<b>G03) Electroanalytical Chemistry</b>				
14:30	23pK01	ICAS11-P1118	Akihiro Uehara	Electrochemical Study of Uranium Ions in Calcium Chloride Hydrate Melts
14:42	23pK02	ICAS11-P0006	Jiri Barek	Amalgam Electrodes - Possibilities and Limitations
14:54	23pK03	ICAS11-P0762	Indra Noviandri	Lignin Modified Carbon Paste Electrode for Voltammetric Determination of Lead in Soil
15:06	23pK04	ICAS11-P0314	Tianyan You	Preparation of Electrospun Metal Nanoparticle-loaded Carbon Nanofiber Composites for Electroanalytical Application
15:18	23pK05	ICAS11-P0139	Chanpen Karuwan	Rapid Droplet Mixers for Droplet Based Electrochemical Detection on Electrowetting-on-Dielectric Microfluidic Chip
15:30	23pK06	ICAS11-P0010	Montree Sawangphruk	Permselective Properties of Polystyrene Opal Films Coated on Glassy Carbon Electrodes
15:42	23pK07	ICAS11-P0661	Tomohiro Higashi	Potential Driven Phase Transition of Dibenzyl Viologen on a HOPG Electrode as Studied by Spectroelectrochemical and <i>In Situ</i> Electrochemical STM Measurements
15:54	23pK08	ICAS11-P0870	Takamasa Sagara	Viologen-Thiol Monolayer on Au Electrode as Redox Active Platform for Surfactant Molecular Organization and Metal Nanoparticle Immobilization
16:06	Break			
16:18	23pK09	ICAS11-P0956	Anceu Murniati	Polypyrrole Polyphenol Oxidase (PPy-PPO) Coated Platinum Wire Electrode
16:30	23pK10	ICAS11-P0881	Yasuyuki Hamano	The Modeling of Bioelectrocatalysis on Mesoporous Carbon Electrode
16:42	23pK11	ICAS11-P0587	Patsamon Rijiravanich	Direct and Sandwich Electrochemical DNA Hybridization Detection Based on Silver Enhancement of Biobarcode-Latex and PNA Modified Screen Printed Electrode
16:54	23pK12	ICAS11-P0149	Irdhawati Irdhawati	Cyclic Voltammetric Detection of Ephedrine Ion Transfer Across the Water/Nitrobenzene Interface
17:06	23pK13	ICAS11-P0904	Kohji Maeda	Mechanism of Propagation and Synchronization of Potential Oscillations in Liquid Membrane Systems
17:18	23pK14	ICAS11-P0690	Nobuaki Ogawa	Measurement of pH of Low Ionic Strength Solutions Using a Combination-type Glass pH Electrode Equipped with Ionic Liquid Salt Bridge
17:30	23pK15	ICAS11-P1107	Limin Zhang	Ionic Liquid Salt Bridge Based on Cationic Polymers of Moderate Hydrophobicity
17:42	23pK16	ICAS11-P0728	Yuki Kitazumi	Electrocapillarity at the Non-Polarized Liquid-Liquid Interface in the Presence of Surface-Active Ions in Both Phases

**Tuesday, May24 (am) Room A**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S10) Nanoparticles and Nanomaterials</b>				
9:00	24aA01 (Keynote)	ICAS11-P1201	Mizuo Maeda	Nanoparticle-based Sensors Using DNA-modified Gold Colloids
9:30	24aA02	ICAS11-P0685	Denis Boudreau	Nanoplasmonic Sensing of Nucleic Acids Using Fluorescent Core-Shell Nanoparticles
9:50	24aA03 (Invited)	ICAS11-P0305	Yao-Qun Li	Surface Plasmon-Coupled Directional Emission (SPCDE) on Nanofilms for Biosensing
10:15	24aA04	ICAS11-P1125	Qun Huo	Gold Nanoparticles Coupled with Dynamic Light Scattering for Biomolecular Detection and Analysis
10:35	Break			
10:55	24aA05 (Invited)	ICAS11-P0615	Keiko Tawa	Rapid and Sensitive Detection of Bio-Markers on the Plasmonic Chip
11:20	24aA06	ICAS11-P0330	Tsutomu Nagaoka	Gold Nanoparticle Arrays for Analytical Applications
11:40	24aA07	ICAS11-P0009	Jean-Francois Masson	Surface Plasmon Resonance Biosensors Based on Nanohole and Microhole Arrays
12:00	24aA08	ICAS11-P0959	Toshio Yamaguchi	Structural and Dynamic Properties of Liquids Confined in Mesoporous Silica as Drug Delivery System

**Tuesday, May24 (pm) Room A**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S21) JAIMA Special Session</b>				
14:00	24pA00			
14:05	24pA01 (Keynote)	ICAS11-P1206	Masanori Hangyo	Terahertz Technology for Security in Daily Life
14:35	24pA02 (Invited)	ICAS11-P1207	Naoki Oda	Handy Terahertz Camera for Real-Time Imaging
15:05	24pA03 (Invited)	ICAS11-P1208	Chiko Otani	Non-destructive Inspection of Illicit Drugs and Hazardous Substances in Mails using Terahertz Waves
15:35	Break			
15:50	24pA04	ICAS11-P1211	Hisashi Homma	X-ray Fluorescence Spectrometry for Analysis of Hazardous Elements in Soils
16:10	24pA05	ICAS11-P1212	Hiroaki Nakagawa	Applications of High Performance Liquid Chromatography to Pharmaceuticals and Foodstuffs
16:20	24pA06	ICAS11-P1213	Adam M. Gilmore	Health, Safety, and Security: The Pivotal Roles Played by Horiba Jobin-Yvon's Optical Instrumentation
16:40	Break			
16:55	24pA07	ICAS11-P1214	Robert Cody	DART Mass Spectrometry for Security and Safety
17:15	24pA08	ICAS11-P1215	Robert Bucu	Application of Nanotrap Sample Complexity Reduction to Disease Biomarkers and Food Safety
17:35	24pA09			

**Tuesday, May24 (am) Room B1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S05) Micro-analysis and Microfluidics + S14) Omics</b>				
9:00	24aB101 (Keynote)	ICAS11-P0044	Reinhard Niessner	Microarray Technology as Future Tool to Exonerate Classical Analysis
9:30	24aB102 (Keynote)	ICAS11-P0099	Tomoyoshi Soga	CE-MS Metabolomics and Applications to Biomedical Research
10:00	24aB103 (Invited)	ICAS11-P0819	Lihua Zhang	Advance on New Separation and Identification Techniques for Proteome Analysis
10:25	24aB104 (Invited)	ICAS11-P0026	Yasushi Ishihama	Unidimensional LC Separation in Shotgun Proteomic LC-MS for Unveiling Human Phosphoproteome
10:50	24aB105 (Invited)	ICAS11-P0352	Manabu Tokeshi	Blood Proteomics Using Microfluidic Immuno-Pillar Devices as a Diagnostic Tool for Diseases
11:15	Break			
11:30	24aB106	ICAS11-P0095	Philip Britz-McKibbin	Comprehensive Plasma Thiol Redox Status Determination for Metabolomics
11:50	24aB107	ICAS11-P0003	Andrei R. Timerbaev	Advanced Analytical Methodology for Analysis and Metabolism Studies of Metal-Based Drugs: Do We Strike the Metallomics Field?
12:10	24aB108	ICAS11-P0157	Kenji Sueyoshi	Rapid and Sensitive Electrophoretic Analysis in Transient Trapping-Micellar Electrokinetic Chromatography

**Tuesday, May24 (pm) Room B1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S03) Atomic Spectroscopy</b>				
14:30	24pB101 (Keynote)	ICAS11-P1047	Detlef Günther	Developments in Laser Ablation Inductively Coupled Plasma Mass Spectrometry
15:00	24pB102 (Invited)	ICAS11-P0137	Frank Vanhaecke	From Reconstructing the Past to Fighting Crime: Isotopic Analysis via Single- and Multi-Collector ICP - Mass Spectrometry as a Versatile Analytical Tool
15:25	24pB103 (invited)	ICAS11-P1093	Takafumi Hirata	High Versatility of Galvanometric Optics for Elemental Analysis using Laser Ablation-ICP-Mass Spectrometry
15:45	24pB104	ICAS11-P1132	Masahiro Oishi	Multi Elemental Imaging of Electronic Components Using LA-ICP-MS
16:05	Break			
16:25	24pB105 (Invited)	ICAS11-P1049	Bodo Hattendorf	Instrumental Approaches to Some Limitations of ICPMS
16:50	24pB106	ICAS11-P1046	Yongliang Yu	Miniaturization of Atomic Spectrometric Systems Based on Dielectric Barrier Discharge (DBD) Micro-plasma
17:10	24pB107	ICAS11-P0981	Takahiro Iwai	Application of Atmospheric Plasma Soft Ablation Method (APSA) to Atomic/Molecular Mass Spectrometry
17:30	24pB108	ICAS11-P1141	Eric Vanclay	An Innovative New Plasma Source for Elemental Analysis using Atomic Spectroscopy

**Tuesday, May24 (am) Room B2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S02) Molecular Spectroscopy</b>				
9:00	24aB201 (Keynote)	ICAS11-P1100	Xi-Cheng Zhang	Recent Development of Broadband Terahertz Wave Generation and Detection in Gases
9:30	24aB202 (Invited)	ICAS11-P1029	Joo-Hiuk Son	Terahertz Molecular Imaging and its Applications in Medicine
9:55	24aB203 (Invited)	ICAS11-P1174	Masahiko Tani	THz Time-Domain Spectroscopy and its Applications in Material Analysis
10:20	24aB204	ICAS11-P0465	Hironobu Hoshina	Spectroscopy of Poly(3-hydroxyalkanoate)s in Terahertz Frequency Region
10:40	24aB205	ICAS11-P0064	Yuko Ueno	Theoretical Study of THz Spectra of Crystal Polymorphic Forms of Famotidine
10:55	24aB206	ICAS11-P1138	Ohki Kambara	Peak Assignment of Vibrational Modes of Hydrogen-Bonding Molecules in Terahertz Frequency Region
11:10	24aB207	ICAS11-P1202	Kunikazu Moribe	Structural Evaluation of Pharmaceutical Complexes and Cocrystals by Terahertz Spectroscopy
11:25	24aB208 (Invited)	ICAS11-P0812	Liliane Bokobza	Spectroscopic and Mechanical Investigations of Carbon Nanotube-Reinforced Elastomers
11:50	24aB209 (Invited)	ICAS11-P0105	Takeshi Hasegawa	Multiple-Angle Incidence Resolution Spectrometry: A Novel Analytical Platform for Spectroscopic Analysis of Thin Films
12:10	24aB210 (Invited)	ICAS11-P0681	Christian Pellerin	Infrared and Raman Studies of Molecular Orientation in Films and Nanofibers

**Tuesday, May24 (pm) Room B2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S02) Molecular Spectroscopy</b>				
14:30	24pB201 (Keynote)	ICAS11-P1173	Richard P. Van Duyne	Molecular Plasmonics: Nanoscale Spectroscopy and Sensing
15:00	24pB202 (Keynote)	ICAS11-P1176	Bruno Pettinger	Tip-Enhanced Raman Spectroscopy of Single Molecules
15:30	24pB203 (Invited)	ICAS11-P1142	Zhong-Qun Tian	Shell-isolated Nanoparticle-enhanced Raman Spectroscopy (SHINERS): Towards a Versatile Analytical Strategy
15:50	24pB204 (Invited)	ICAS11-P1115	Yukihiro Ozaki	New Spectral Analysis Methods in Near-Infrared Spectroscopy
16:10	Break			
16:25	24pB205 (Invited)	ICAS11-P0534	Kei Murakoshi	Monitoring Plasmon-Assisted Photochemical Reaction at Metal Nanogap by Surface-Enhanced Raman Scattering
16:45	24pB206	ICAS11-P0634	Sunao Yamada	Bottom-up Fabrication of Plasmonic Nanostructures for Raman Spectroscopy
17:05	24pB207 (Invited)	ICAS11-P0711	Lehui Lu	Design of Nanoparticle-based Spectroscopic Probes for Biosensing
17:25	24pB208	ICAS11-P0085	Tamitake Itoh	Quantitative Analysis of Electromagnetic Enhancement of Surface Enhanced Raman Scattering Using Single Silver Dimers of Nanoparticles
17:40	24pB209	ICAS11-P0774	Masatoshi Osawa	Surface-enhanced Infrared Study of Hydration Shells around Tetraalkylammonium and Metal Cations at the Electrochemical Interface

**Tuesday, May24 (am) Room C1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S08) Novel Separation Systems</b>				
9:00	24aC101 (Keynote)	ICAS11-P0996	Mary J Wirth	Protein Separations Using Submicrometer Silica Particles
9:30	24aC102 (Invited)	ICAS11-P0432	Masami Shibukawa	Selectivity Manipulation of Separation in Reversed-Phase Liquid Chromatography with Gas-Liquid Hybrid Stationary Phases
9:50	24aC103 (Invited)	ICAS11-P0153	Tetsuo Okada	Separation with Water-Ice
10:10	24aC104	ICAS11-P0510	Toyohide Takeuchi	Poly(oxyethylene)-based Stationary Phases for Liquid Chromatography
10:30	Break			
10:50	24aC105 (Invited)	ICAS11-P0059	Oleg Alexeevich Shpigun	Advantages of Microemulsions as Mobile Phases in High Performance Liquid Chromatography
11:10	24aC106	ICAS11-P0145	Kazuhiko Tsukagoshi	Capillary Chromatography Based on Tube Radial Distribution of the Carrier Solvents Under Laminar Flow Conditions
11:30	24aC107 (Invited)	ICAS11-P0936	Martyn Hill	Particle Separation with Ultrasonic Standing Waves
11:50	24aC108	ICAS11-P0736	Masayori Suwa	Magnetic Susceptibility Measurement of Single Micro-Particle by Magnetophoretic Velocimetry
12:10	24aC109	ICAS11-P0602	Yoshinori Iiguni	Electromagnetophoretic Velocimetry of Micro-Droplets for Characterization of Ionic Liquids

**Tuesday, May24 (pm) Room C1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S16-a) Environmental Analysis: The State-of-the-art of Environmental Analyses for Hazardous Organic Compounds</b>				
14:30	24pC101 (Keynote)	ICAS11-P0247	Janusz Pawliszyn	<i>In-vivo</i> Solid Phase Microextraction
15:00	24pC102 (Invited)	ICAS11-P1110	Shunji Hashimoto	Global Analysis of Organohalogens in Environmental and Biological Samples by GCxGC-MS/MS
15:25	24pC103 (Invited)	ICAS11-P0960	Ting Zhang	Environmental POPs study in China, Short Overview and the Practices in CNEAC
15:50	Break			
16:10	24pC104	ICAS11-P0485	Kazuichi Hayakawa	Determination of Atmospheric Polycyclic Aromatic Hydrocarbons Long-Range Transported from China to Japan
16:30	24pC105	ICAS11-P0167	Hossam Fathy Mohamed Nassar	Comparative Study between the Concentration of Polycyclic Aromatic Hydrocarbons and Selected Nitrated Derivatives in Greater Cairo, Egypt and Some East Asian cities
16:45	24pC106	ICAS11-P0987	James Li	Chemical Analysis Versus Bioassay: How to Bring the Two Schools together for Environmental Analyses of dioxins and furans
17:00	24pC107	ICAS11-P0988	James Li	Chemical Analysis versus Bioassay for Environmental Analyses of Hazardous Organic Compounds: When to use What?
17:15	24pC108	ICAS11-P1185	Murad Helaleh	Simultaneous Analysis and Clean-up of Organo-chlorinated Pesticides and Polychlorinated Biphenyls of Environmental Marine Samples Using Automated Pressurized Liquid Extraction (PLE) and Power <sup>REP</sup> Clean-up System
17:30	24pC109	ICAS11-P0501	Yuichi Tominaga	Development of Molecularly Imprinted Polymers Enabling Selective Adsorption for Gaseous Compounds
17:45	24pC110	ICAS11-P0922	Sana Mohammad Alahmadi	Mesoporous Silica Functionalized with Macrocyclic Compound: Synthesis, Characterization and Employment for Tributyltin Adsorption

**Tuesday, May24 (am) Room C2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S20) JST Special Session</b>				
9:00	24aC201 (Keynote)	ICAS11-P1196	Tsuguo Sawada	Project on the Development of Systems and Technologies for Advanced Measurement and Analysis in Japan
9:20	24aC202 (Invited)	ICAS11-P0596	Takashi Kakiuchi	Ionic Liquid Salt Bridge for the Measurement of Single Ion Activities
9:50	24aC203 (Invited)	ICAS11-P1197	Katsumi Uchiyama	Development of Micro-Gas Chromatography System for OnSite Environmental Measurement
10:20	24aC204 (Invited)	ICAS11-P0319	Jun Kawai	Portable Total Reflection X-ray Fluorescence (TXRF) Spectrometer and Palm Top Electron Probe X-ray Microanalyzer (EPMA)
10:50	Break			
11:10	24aC205 (Invited)	ICAS11-P0892	Mitsutoshi Setou	Spatial Metabolomics Revealed by Imaging Mass Spectrometry
11:40	24aC206 (Invited)	ICAS11-P1198	Ryohei Kokawa	A State-of-the-Art Scanning Probe Microscopy

**Tuesday, May24 (pm) Room C2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S11) Microparticle and Interface Analysis</b>				
14:30	24pC201 (Keynote)	ICAS11-P1011	Joseph R. Lakowicz	Metal Plasmon-Coupled Probe: A Powerful Fluorescence Nanoparticle Probe for Single Molecule Detection by Cell Imaging
15:00	24pC202 (Invited)	ICAS11-P0631	Sunao Yamada	Design of Electrode for Plasmon-Assisted Photoelectrochemistry
15:25	24pC203	ICAS11-P0931	Chengpai Yee	Control the Size of Nano Gold Particles by Using Reverse Micelles
15:45	24pC204	ICAS11-P0761	Tomoaki Nishino	Quantification of Electron Transport between Interacting Single Molecules
16:05	Break			
16:30	24pC205 (Keynote)	ICAS11-P1205	Noboru Kitamura	Laser-controlled Single Droplet Formation and Liquid/Liquid Extraction
17:00	24pC206	ICAS11-P0524	Cuong Manh Nguyen	<i>In situ</i> Study on the Diffusion Processes of Malachite green in Single Laser - Trapped Ion-exchange Resin Beads
17:20	24pC207	ICAS11-P0622	Shinpei Kado	AFM Observation of Stimuli-Responsive Polymer Stretching
17:40	24pC208	ICAS11-P0027	Shigeto Inoue	Two Dimensional Visualization of Mannose Distribution on Model Biological Surface Using Concanavalin A-modified AFM tip

**Tuesday, May24 (am) Room D**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S07) Sensor Systems</b>				
9:00	24aD01	ICAS11-P0241	Xi Chen	Reversible Color-changing Cloth Label for Monitoring Oxygen
9:15	24aD02	ICAS11-P0078	Panida Lorwongtragool	Development of Hand-Held E-Nose Based on Polymer/CNT Sensors and its Applications for Protein-Based Foods
9:30	24aD03	ICAS11-P0824	Shin-ichi Wakida	Rapid On-site Salivary Nitrate Analysis Using a Prototype of BioFET Checker
9:45	24aD04	ICAS11-P0839	Chia-Chan Chang	Hairpin DNA Sensor for Mercury Ions by Enhancement of Gold Nanoparticles
10:00	24aD05 (Keynote)	ICAS11-P1085	Guillermo Orellana	Luminescent Chemosensing for Environmental Monitoring and Industrial Analysis: from Molecular Engineering to Field Measurements
10:40	24aD06 (Invited)	ICAS11-P0294	Daniel Citterio	(Bio)Chemical Sensing Inks and Inkjet Printers: An Approach to Low-Cost (Bio)Chemical Sensors
11:05	Break			
11:20	24aD07	ICAS11-P0786	Koji Tohda	An Optical Sugar Sensing Film Based on Competitive Binding between Boronic Acid Receptor and Functional Dye Immobilized on Hydrogel Matrix
11:40	24aD08 (Invited)	ICAS11-P0467	Norio Teramae	Molecule Recognition by Fluorescent Molecules Using Abasic Site-containing DNAs
12:05	24aD09	ICAS11-P0569	Patsamon Rijiravanich	Stem-Loop Probe Tagged Gold Nanoparticles Encapsulated in Polyelectrolyte Microcapsule for DNA Hybridization Detection Based on Electrochemical Method
12:25	24aD10 (Invited)	ICAS11-P0589	Moritoshi Sato	Genetically Encoded Fluorescent Sensors

**Tuesday, May24 (pm) Room D**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S13) Biomolecular Imaging</b>				
14:30	24pD01 (Keynote)	ICAS11-P1203	Kees Jalink	Zooming in on Signal Transduction by FRET
15:00	24pD02 (Invited)	ICAS11-P0706	Takeharu Nagai	Auto-luminescent Genetically-Encoded Ratiometric Indicator for Real-time Ca <sup>2+</sup> Imaging at the Single Cell Level
15:25	24pD03	ICAS11-P0021	Ho-Man Chan	Direct Quantification of Single-Molecules of MicroRNA by Total Internal Reflection Fluorescence Microscopy
15:45	24pD04	ICAS11-P0049	Jun Nakanishi	Caged Compounds Based on Colloidal Gold Nanoparticles Bearing Photocleavable Reactive Group
16:05	Break			
16:25	24pD05 (Invited)	ICAS11-P0893	Jung-Joon Min	Visualization of Bacteria-mediated Cancer Therapy
16:45	24pD06 (Invited)	ICAS11-P0192	Takeaki Ozawa	Fluorescent and Bioluminescent Proteins Engineered for Visualizing Biological Function in Live Cells
17:05	24pD07	ICAS11-P0898	Seung Hwan Park	Improving the Potential of Attenuated <i>Salmonella Typhimurium</i> as a Gene-Delivering Vector Specifically to Infarcted Myocardium with Hypoxia-Inducible Promoter System
17:25	24pD08	ICAS11-P0211	Sung Bae Kim	Genetically Encoded Bioluminescent Indicators for Stress Hormones
17:45	24pD09	ICAS11-P0531	Akira Kanno	Genetically Encoded Bioluminescent Indicators for Real-Time Dual Imaging of Protease Activities in Living Cells

**Tuesday, May24 (am) Room E**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S12) Bioanalysis</b>				
9:00	24aE01 (Keynote)	ICAS11-P0818	Steven Allan Soper	Single-Molecule Detection (SMD) and Microfluidics: Molecular Profiling of Circulating Tumor Cells
9:30	24aE02	ICAS11-P0102	Shou-Mei Wu	Multi-exon Genotyping of SMN Gene in Spinal Muscular Atrophy by Universal Fluorescent PCR and Capillary Electrophoresis
9:45	24aE03	ICAS11-P0713	Toshihiro Ihara	DNA-Directed Chemical Reactions and their Analytical Applications
10:00	24aE04	ICAS11-P0203	Cong Yu	Nucleic Acid-Induced Self-Assembly of Small Molecular Probes
10:15	24aE05	ICAS11-P0886	Bang-Ce Ye	Colorimetric Chiral Recognition of Enantiomers Using the Nucleotide-Stabilized Silver Nanoparticles
10:30	Break			
10:50	24aE06 (Keynote)	ICAS11-P0249	Tatyana Nikolaevna Shekhovtsova	Novel Solutions in the Determination of Organic Substrates of Peroxidase
11:20	24aE07	ICAS11-P0418	Kiyoko Takamura	Characterization of a Titanium(IV)-Porphyrin Complex as an Effective Reagent for Determining Hydrogen Peroxide in Bioanalysis
11:35	24aE08	ICAS11-P0022	Huangxian Ju	Bioanalysis by Biofunctionalization of Nanomaterials
11:50	24aE09 (Invited)	ICAS11-P0730	Hideki Hakamata	Electrochemical Determination of Lipids and its Application to Medical and Pharmaceutical Research
12:15	24aE10	ICAS11-P0689	Yasuyuki Ishida	Complementary Analysis of Lipids in Drug-Resistant Bacteria by Reactive Pyrolysis-Gas Chromatography and MALDI-Mass Spectrometry

**Tuesday, May24 (pm) Room E**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S05) Micro-analysis and Microfluidics + S14) Omics</b>				
14:30	24pE01 (Keynote)	ICAS11-P1188	Edward S. Yeung	Single Molecule Biosensing Based on Darkfield Imaging of Nanoparticles and Nanorods
15:00	24pE02 (Keynote)	ICAS11-P1191	Thomas Laurell	Bioanalytical and Clinical Applications of Acoustophoretic Cell Handling in Microsystems
15:30	24pE03 (Invited)	ICAS11-P1192	I-Ming Hsing	Yeast Surface Display Based Immunoassay and its Implementation on a Chip
15:55	24pE04 (Invited)	ICAS11-P1190	Shoji Takeuchi	Microfluidic Technology for 3-D tissue Construction
16:20	Break			
16:40	24pE05	ICAS11-P1179	Yutaka Kazoe	Experimental Investigation of Flow Structure in Extended-Nanofluidic Systems
17:00	24pE06	ICAS11-P0293	Jin-Ming Lin	Development of Surface Tension Induced Control and Manipulation Inside Microchannels
17:20	24pE07	ICAS11-P0923	Napaporn Youngvises	Innovation Optical Sensors Using Light Dependent Resister for Multi-analysis
17:40	24pE08	ICAS11-P0783	Christian Pigot	Toward Improvement of Spectral Analysis of Liquid/Liquid Interface on a Lab-on-Chip

**Tuesday, May24 (am) Room I**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S18) Food Science</b>				
9:00	24aI01	ICAS11-P0630	Diding Suhandy	The use of Attenuated Total Reflectance Terahertz (ATR-THz) Spectroscopy Together with Chemometrics for Qualitative and Quantitative Studies of Sugar Solution
9:20	24aI02	ICAS11-P0170	Reinhard Boysen	Design, Synthesis and Application of Molecularly Imprinted Polymers for the Solid-phase Extraction of Bioactives from Agricultural By-products
9:40	24aI03	ICAS11-P0464	Yasushi Noda	Multi-residue Analysis for Agricultural Chemicals in Edible Salts
10:00	24aI04	ICAS11-P0076	Alois Schiessl	Fully Stable <sup>13</sup> C-Labeled Internal Standards - a Must for LC-MS/MS? a Discussion on the Example of Mycotoxin Analysis.
10:20	Break			
10:40	24aI05 (Keynote)	ICAS11-P1043	Zoltan Mester	Certified Reference Materials for Food and Environmental Analysis: New Challenges
11:10	24aI06 (Invited)	ICAS11-P1024	Takashi Yarita	Development of Crop Certified Reference Materials for Pesticide Residue Analysis
11:35	24aI07 (Invited)	ICAS11-P0442	Akira Kawasaki	Determination of the Geographic Origin of Dried Shiitake ( <i>Lentinula edodes</i> ) Using Strontium Isotope Ratio
11:55	24aI08 (Invited)	ICAS11-P0828	Akemi Yasui	Development of New Reference Materials of Roasted Tea Leaves (Hoji-cha) for Determination of Acrylamide

**Tuesday, May24 (pm) Room I**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S09) X-ray Analysis</b>				
14:30	24pI01 (Keynote)	ICAS11-P1151	Izumi Nakai	On-site Analysis of Cultural Heritage with Portable XRF and XRD Instruments
15:00	24pI02 (Invited)	ICAS11-P1148	Shinjiro Hayakawa	XAFS Characterization of Ni, Co and Nb in Cathode Materials for Li Secondary Batteries
15:25	24pI03 (Invited)	ICAS11-P1153	Tsenddavaa Amartaivan	TXRF Analysis for Biological and Environmental Samples
15:50	Break			
16:10	24pI04 (Keynote)	ICAS11-P0480	Liqiang Luo	Application of Synchrotron Radiation X-Ray Fluorescence and Absorption Spectrometry to Environmental and Ecological Geochemistry
16:40	24pI05 (Invited)	ICAS11-P0335	Bjrn De Samber	Synchrotron Radiation X-ray Fluorescence Imaging of Trace Level Metal Distributions in the Biological Model Organism <i>Daphnia magna</i> by means of Scanning and Full-field Data Acquisition Methods
17:05	24pI06	ICAS11-P0860	Yasuhiro Shibata	Preparation of Contaminated Soils Containing 8 Hazardous Metals for Controllable Extraction
17:20	24pI07	ICAS11-P1010	Akiko Hokura	Accumulation Mechanism of Cadmium in Rice by Micro-XRF Imaging and X-ray Absorption Fine Structure Analysis utilizing Synchrotron Radiation
17:40	24pI08	ICAS11-P0729	Farideh Jalilvand	Speciation of Hg(II)-Thiolate Complexes in Aqueous Solution

**Tuesday, May24 (am) Room J**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S06) Mass Spectrometry</b>				
9:00	24aJ01 (Keynote)	ICAS11-P1080	Franz Hillenkamp	MALDI Mass Spectrometry: Past, Present and Future
9:45	Break			
9:55	24aJ02 (Invited)	ICAS11-P0868	Yu-Chie Chen	Ultrasonication-Assisted Spray Ionization Mass Spectrometry (UASI MS)
10:20	24aJ03 (Invited)	ICAS11-P0399	Hideya Kawasaki	Platinum-Based Nanoparticles and Nanostructured Surfaces for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry
10:45	Break			
10:55	24aJ04 (Invited)	ICAS11-P0845	Michisato Toyoda	Development of Multi-turn Time-of-Flight Mass Spectrometers
11:20	24aJ05	ICAS11-P1002	Jun Tamura	Development of a New MALDI-TOF-TOF Tandem Mass Spectrometer Utilizing a Spiral Ion Trajectory TOFMS and an Offset Parabolic Reflectron
11:40	Break			
11:50	24aJ06	ICAS11-P0619	Tatsuya Fujino	Development of Zeolite Matrix for Soft Ionization
12:10	24aJ07	ICAS11-P0345	Teruo Hinoue	Voltammetric Study on Laser Photoinduced Phenomena at a Liquid/Liquid Interface

**Tuesday, May24 (pm) Room J**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S06) Mass Spectrometry</b>				
14:30	24pJ01 (Keynote)	ICAS11-P1170	Ralf Zimmermann	Soft Photo-Ionisation Mass Spectrometry for Analysis of Complex Organic Mixtures: New Concepts and Applications
15:00	24pJ02	ICAS11-P0588	Jun Matsumoto	Real-time and Simultaneous Analysis of Environmental Tobacco Smoke Compounds Using the VUV-SPI-TOFMS Technique
15:20	24pJ03	ICAS11-P0763	Oasmu Shitamichi	Determination of Polybrominated Diphenyl Ethers by Laser Ionization Mass Spectrometry
15:30	24pJ04	ICAS11-P0702	Guan Huat Tan	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)
15:50	24pJ05 (Invited)	ICAS11-P0735	Tomohiro Uchimura	A Novel Inlet System for Resonance-Enhanced Multiphoton Ionization Mass Spectrometry
16:10	Break			
16:30	24pJ06 (Invited)	ICAS11-P0237	Cheng-Huang Lin	Applications of Hadamard Transform to Gas Chromatography/Mass Spectrometry
16:55	24pJ07	ICAS11-P0717	Taiki Matsui	Determination of Polychlorinated Biphenyl Using Gas Chromatography/Multiphoton Ionization/Time-of-Flight Mass Spectrometry
17:05	24pJ08 (Invited)	ICAS11-P0143	King-Chuen Lin	UV Photodissociation of Halogen-containing Molecules by Using Velocity-mapping Ion Imaging
17:30	24pJ09 (Keynote)	ICAS11-P0772	Totaro Imasaka	Development of a Laser with an Ultimately-Short Optical Pulse Width for <quot>Impulsive</quot> Ionization to Obtain a Molecular Ion in Mass Spectrometry

**Tuesday, May24 (am) Room K**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S16-c) Environmental Analysis: Advanced Flow-based Analytical Chemistry</b>				
9:00	24aK01 (Keynote)	ICAS11-P0965	Kate Grudpan	Cost Effective Flowed Based Analysis: An Advance Consideration in Environmental Analysis?
9:30	24aK02 (Invited)	ICAS11-P0481	Jarda Ruzicka	Flow Injection Analysis: from Beaker to Microfluidics. Automation of Spectrophotometry, Fluorescence and Chemiluminescence.
9:50	24aK03	ICAS11-P0951	Shoji Motomizu	Computer-controlled Flow-based Chemical Analysis Techniques Coupled with Column Pretreatment by Using Several Kinds of Detection Methods
10:05	24aK04	ICAS11-P0073	Kei Toda	Micro Flow Device for Measurement of Atmospheric Methane Thiol
10:20	24aK05	ICAS11-P0374	Tsutomu Nagaoka	Plastic Microbeads Coated with Au Nanoparticles for Analytical Applications
10:35	Break			
10:55	24aK06	ICAS11-P0875	Nathawut Choengchan	Cross Injection Systems for Multi-determination of Albumin, Creatinine and Glucose in Human Urine
11:10	24aK07	ICAS11-P0549	Norio Teshima	Hybrid Flow Injection-Stopped in Loop Flow System for Successive Determination of Hydroquinone and Quinone
11:25	24aK08	ICAS11-P0471	Burkhard Horstkotte	A Miniature and Field-Applicable Multipumping Flow Analyzer for Ammonium Monitoring in Seawater with Fluorescence Detection
11:40	24aK09	ICAS11-P0406	Hideji Tanaka	Air Segmented Amplitude Modulated Multiplexed Flow Analysis
11:55	24aK10	ICAS11-P0256	Bahrudin Bin Saad	Comparative Studies on the Flow Injection Determination of Free Fatty Acids in Palm Oils: Optical vs Contactless Conductivity Detection
12:10	24aK11	ICAS11-P0090	Ahmed Khudhair Hassan	Solid Contact PVC Membrane sensors for the Potentiometric Flow Injection Analysis of Tetracaine Hydrochloride and Trifluoperazine Hydrochloride in Pharmaceutical Preparations and Human Urine

**Tuesday, May24 (pm) Room K**

Start	Number	Submission ID	Presenter	Presentation Title
<b>G02) Separation / Flow / Micro Analysis</b>				
14:30	24pK01	ICAS11-P0734	Shinya Kato	Determination of DNA in Single Cells by Capillary Electrophoresis
14:42	24pK02	ICAS11-P0830	Kerrilee Evelyn Allan	Random Versus Block Copolymers for Dynamic Coatings for Capillary Electrophoretic Separation of DNA
14:54	24pK03	ICAS11-P0364	Kuan-Liang Liu	Electrophoresis of Soft Particles: Effect of Dielectric Constant
15:06	24pK04	ICAS11-P0999	Dadan Hermawan	Enantioseparation of Azole Drugs Using Micellar Electrokinetic Chromatography with Hydroxypropyl-gamma-Cyclodextrin as Chiral Selector
15:18	24pK05	ICAS11-P0522	Yi Hsuan Tai	Boundary Effects on Electrophoresis of a Charge-regulated Sphere along the Axis of a Cylindrical Pore Filled with Multiple Ionic Species
15:30	24pK06	ICAS11-P0962	Sakchai Satiyenperakul	A Microfluidic Chemiluminescence System for Determination of Glucose Using Immobilised Enzymatic AuNP/GODx Bioreactor
15:42	24pK07	ICAS11-P1096	Kyojiro Morikawa	Determination of Electrical Conductivity of Water in Extended-nano Space Using Streaming Potential System
15:54	24pK08	ICAS11-P0108	Mohammad Hassan Mallah	Ionic Liquids Combined with Dispersive Liquid-Liquid Microextraction
16:06	24pK09	ICAS11-P1123	Toshihiko Kiwa	Visualization of Microfluids using Terahertz Chemical Microscope
16:18	Break			
<b>G07) Biological and Bio-analysis</b>				
16:30	24pK10	ICAS11-P0060	Shan Zou	Nanomechanical Properties of Supported Lipid Membranes
16:42	24pK11	ICAS11-P0272	Satoshi Sasaki	Function and Analysis of Adsorbed Luminescent Bacteria
16:54	24pK12	ICAS11-P0472	Osamu Nozaki	Spectrometric Study on Characteristics of Imidazole Chemiluminescence
17:06	24pK13	ICAS11-P0113	Ryoji Kurita	Development of Electrogenated Chemiluminescence Based Enzyme-Linked Immunosorbent Assay
17:18	24pK14	ICAS11-P1051	Hai-Long Wu	Using Smart Multiway Calibration Methods for Direct Quantitative Analysis in Complex Chemical Systems
17:30	24pK15	ICAS11-P1140	Hiroshi Kosugi	In situ analysis of live single cultured cell using Raman spectroscopy

**Wednesday, May25 (am) Room A**

Start	Number	Submission ID	Presenter	Presentation Title
<b>Plenary Lectures</b>				
9:00	25aA01 (Plenary)	ICAS11-P0654	Alfredo Sanz Medel	Novel MS-Based Analytical Tools for Isotopes and Elements for Molecules and Nanoparticles
<b>S03) Atomic Spectroscopy</b>				
10:00	25aA02 (Keynote)	ICAS11-P1062	Ryszard Lobinski	Metallomics: Advances in Analytical Methodology
10:30	25aA03 (Invited)	ICAS11-P0985	Maria Montes-Bayon	ICP-MS for Metallo-drug Monitoring Studies
10:55	25aA04	ICAS11-P1101	Kazumi Inagaki	Multielement Analysis of Yeast Cell by Time-resolved ICP-MS with High Efficiency Cell Introduction Device
11:15	25aA05	ICAS11-P1065	Katsuhiko Kawabata	Next Generation Single-Cell Mass Cytometry for Immunological and Functional Assay - Beyond 30 Parameters
11:35	Break			
11:55	25aA06 (Invited)	ICAS11-P1063	Joanna Szpunar	High Resolution Mass Spectrometry in Selenoproteomics and Selenometabolomics
12:20	25aA07	ICAS11-P1135	Yasumitsu Ogra	Elucidation of Roles of a Copper-Regulating Protein, COMMD1, by Combination of Molecular Biological Techniques and Speciation
12:40	25aA08	ICAS11-P1133	Atsuko Shinohara	ICP-MS and Microscopic Studies of Behavior of Inhaled Cerium in Mice - Particle Size and Time-dependent Change

**Wednesday, May25 (pm) Room A**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S03) Atomic Spectroscopy</b>				
14:30	25pA01 (Keynote)	ICAS11-P0088	Gary Hieftje	Distance-of-Flight Mass Spectrometry
15:00	25pA02 (Invited)	ICAS11-P0318	Naoki Furuta	Determination of Lead in Single Airborne Nanoparticles by Direct Introduction into ICP-MS
15:25	25pA03	ICAS11-P1152	Junichi Takahashi	Reduction of Polyatomic Ion Spectral Interference by High Energy Helium Collision in ICP-MS
15:45	25pA04	ICAS11-P1074	Hidekazu Miyahara	Development of Single Shot ICP-MS for Single Cell Analysis
16:05	Break			
16:25	25pA05 (Invited)	ICAS11-P0370	George Chan	Towards an Expert System for Inductively Coupled Plasma-Atomic Emission Spectrometry - an Automated Diagnostic Tool for Flagging Matrix Interferences
16:50	25pA06	ICAS11-P1086	Kazuaki Wagatsuma	Emission Characteristics of a Microwave-induced Plasma with Nitrogen-Oxygen Mixed Plasma Gases
17:10	25pA07	ICAS11-P1109	Hiroaki Tao	Determination of Carbon Nanotube in Biological Sample by Pyrolysis/ICP-MS
17:30	25pA08	ICAS11-P0230	Michihisa Uemoto	Determination of Trace Elements in Magnesium and Magnesium Alloys by Inductively Coupled Plasma Atomic Emission Spectrometry for Standardization

**Wednesday, May25 (am) Room B1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>G02) Separation / Flow / Micro Analysis</b>				
10:00	25aB101	ICAS11-P0616	Yi-Jie Cheng	Analyses of Sulfonamide Antibiotics by Capillary Electrochromatography - Mass Spectrometry using Polymer Monolithic Column
10:12	25aB102	ICAS11-P0969	Lee Wah Lim	Microwave-Assisted Rapid Fabrication of High Performance Monolithic Capillary Column for Liquid Chromatography
10:24	25aB103	ICAS11-P0013	Chen Hong	Profiling of Volatile Flavor Components of Oil from Oil Crops along with Different Processing
10:36	25aB104	ICAS11-P0411	Kanji Miyabe	Measurement of Molecular Diffusivity in Liquid Phase Systems
10:48	25aB105	ICAS11-P0806	Ivan Spanik	Chiral Separations, a Novel Tool for Determination of Food Origin
11:00	Break			
11:12	25aB106	ICAS11-P0269	Roman Selyanchyn	Tenax GR Aroma Sniffing Followed by TD-GC-MS Analysis for the Wine Quality Prediction
11:24	25aB107	ICAS11-P0523	Robert Freeman	GC/MS Analysis of the Volatiles Formed during UV Irradiation and GC/MS Characterization of the Residual Polymer after UV Irradiation: Polycarbonate, High Impact Polystyrene and Ethylene Vinyl Acetate
11:36	25aB108	ICAS11-P0648	Atsushi Watanabe	Development of a New Vertical Type of Micro-furnace Pyrolyzer for Pyrolysis-GC Incorporating a Tube Type of Ceramic Heater with Higher Temperature Applicability
11:48	25aB109	ICAS11-P0653	Tetsuro Yuzawa	Micro Reaction Sampler Useful for On-Line GC Analysis of Intractable Polymer Samples
12:00	25aB110	ICAS11-P0415	Farhan Ahmed Siddiqui	Development of the New HPLC Method for the Analysis of Vitamin D by RP-HPLC with UV Detection and its Application in Pharmaceuticals
12:12	25aB111	ICAS11-P0506	Akhmad Sabarudin	Anion Exchange Monolithic Microbore Column for Chromatographic Separation of DNA and RNA Fragments

**Wednesday, May25 (pm) Room B1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S19) Forensics and Homeland Security</b>				
14:30	25pB101 (Keynote)	ICAS11-P1124	Ira Lurie	The Use of Capillary Electrophoresis for the Analysis of Seized Drugs
15:00	25pB102	ICAS11-P0656	Yuko Togawa Iwata	The Use of Isotope Ratio Mass Spectrometry for Drug Profiling
15:20	25pB103	ICAS11-P0487	Qinde Liu	High-Accuracy Determination of Illicit Drugs in Human Hair by Isotope Dilution Mass Spectrometry
15:40	25pB104	ICAS11-P0751	Hiroyuki Inoue	Direct Analysis of Illicit Drugs by Thermal Desorption Counter-Flow Introduction Atmospheric Pressure Chemical Ionization Mass Spectrometry
16:00	Break			
16:10	25pB105 (Invited)	ICAS11-P1060	Kazumasa Sekiguchi	Forensic DNA Analysis in Japanese Police Organization
16:35	25pB106	ICAS11-P0084	Siwaporn Meejoo Smith	Classification of Gender and Age at Death from Burnt Human Bone
16:55	25pB107 (Invited)	ICAS11-P0173	Shinichi Suzuki	Developments of Analyses of Trace Physical Evidence in Japan
17:20	25pB108	ICAS11-P0077	James J Harynuk	Chemometric Tools for the Rapid Analysis of Suspect Arson Debris
17:40	25pB109	ICAS11-P0025	Raja Subramaniam	New Reagent for Direct Derivatization and Rapid GC-MS Screening of Nerve Agent Markers

**Wednesday, May25 (am) Room B2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S02) Molecular Spectroscopy</b>				
10:00	25aB201	ICAS11-P0338	Miriam Unger	Characterization of Phase Separation in Biodegradable Polymer Blends by FT-IR Imaging Spectroscopy
10:15	25aB202	ICAS11-P0254	Young Mee Jung	Positional Fluctuation of Spectral Features
10:30	25aB203	ICAS11-P0383	Satoru Nakashima	Quantitative Tracing of Water-rock interactions by IR Spectroscopy - An Example of Alkaline Alteration of Granitic Rocks -
10:45	Break			
11:00	25aB204	ICAS11-P1005	Nicolas Spegazzini	The Isomeric Structure of Diphenyl Urethane During Synthesis from Phenylisocyanate and Phenol:A Derivative Double 2D Correlation Spectroscopy Study
11:15	25aB205	ICAS11-P0068	Hideyuki Shinzawa	Rheo-optical Infrared (IR) Spectroscopy for Polylactic Acid (PLA) Nanocomposite
11:30	25aB206	ICAS11-P0994	Xiao Xu	Synthesis and Application of Gold-Silica Nanoparticle Based Optical Sensors
11:45	25aB207	ICAS11-P0695	Yi Wang	Synthesis and Assembly of Nanomaterials Using Biomolecules
12:00	25aB208	ICAS11-P0760	Seiichi Nishizawa	Abasic Site-Containing Duplex DNA for Analytical Applications
12:15	25aB209	ICAS11-P0162	Zhi ai Xu	Sensitive Detection of Adenosine Based on Abasic Site-Containing DNA Duplex and Fluorescent Ligand

**Wednesday, May25 (pm) Room B2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S02) Molecular Spectroscopy</b>				
14:30	25pB201 (Keynote)	ICAS11-P1016	Robert M. Corn	New Methods for Ultrasensitive DNA and Protein Biosensing with Surface Plasmons, Nanoparticles and Nanowires
15:00	25pB202	ICAS11-P0502	Shigeori Takenaka	Nuclease Activity Detection Using Ferrocenyloligonucleotide-immobilized Electrode
15:20	25pB203	ICAS11-P0179	Huimin Ma	Spectroscopic Probes and Labeling Analysis
15:40	25pB204 (Invited)	ICAS11-P0737	Koji Suzuki	Creation and Application of Chemical Probes
16:05	Break			
16:20	25pB205 (Invited)	ICAS11-P1030	Yun-Bao Jiang	N-Amidothiureas from Chiral Aminoacid for Anion Sensing and Recognition
16:45	25pB206	ICAS11-P0089	Takashi Hayashita	Design and Function of Supramolecular Fluorescent Probe/Cyclodextrin Complexes for Ion and Molecule Recognition in Water
17:05	25pB207	ICAS11-P0147	Aijun Tong	A New Coumarin-based Fluorescence-on Chemodosimeter for Cu <sup>2+</sup> in Water
17:25	25pB208 (Invited)	ICAS11-P0691	Cheng Zhi Huang	The Long-Range Resonance Energy Transfer in Molecular Recognitions and its Applications in Analytical Chemistry

**Wednesday, May25 (am) Room C1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S16-c) Environmental Analysis: Advanced Flow-based Analytical Chemistry</b>				
10:00	25aC101 (Invited)	ICAS11-P0331	Ian D McKelvie	Making Headway Against the Tide: Nutrient Mapping of Marine Systems using Flow Analysis Techniques
10:20	25aC102	ICAS11-P0226	Tadao Sakai	Automated Analytical System for Urinary Protein Using Flow-based Techniques
10:35	25aC103	ICAS11-P0814	Farah Akmal Idrus	An Improved Flow-Injection Analysis with Chemiluminescence Detection Method for Determination of Picomolar Concentration of Dissolved Manganese in Seawater
10:50	25aC104	ICAS11-P0474	Koichi Oguma	Flow Injection Determination of Selenium by Combination of On-line Separation and Catalytic Detection
11:05	Break			
11:25	25aC105 (Invited)	ICAS11-P1079	Marek Trojanowicz	Molecularly Imprinted Polymers as Tool for Trace Flow Analysis
11:45	25aC106	ICAS11-P0517	Masaki Takeuchi	Nafion Membrane Tube Based Concentrator for Water Soluble Acid Monitoring System
12:00	25aC107	ICAS11-P0816	Jaroon Jakmunee	Flow Injection Amperometric System with On-line and off-line Sequential Fractionation Systems for Assessment of Orthophosphate in Soil
12:15	25aC108	ICAS11-P0240	Toshihiko Imato	Chemiluminescence Immunoassay on Compact Disk Type Microfluidic Platform Using Magnetic Microbeads Based on Sequential Flow Driven by Centrifugal Force

**Wednesday, May25 (pm) Room C1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S16-a) Environmental Analysis: The State-of-the-art of Environmental Analyses for Hazardous Organic Compounds</b>				
14:30	25pC101 (Keynote)	ICAS11-P1156	Antonia M Calafat	Analytical Chemistry and Human Biomonitoring
15:00	25pC102 (Keynote)	ICAS11-P1150	Yasuyuki Shibata	Towards Deeper Understanding of the Environmental Systems
15:30	25pC103 (Invited)	ICAS11-P1018	Lan Tran Thi Ngoc	Daily Benzene Concentration in the Road-Side Air in Hochiminh City Measured by Lanwatsu Passive Samplers
15:55	Break			
16:15	25pC104 (Invited)	ICAS11-P1175	Shinya Hashimoto	Dynamic Head Space GC-MS Analysis for Halomethanes in Liquid and Viscous Samples
16:40	25pC105	ICAS11-P0327	Jian Xu	Simultaneous Determination of Multiresidue Antibiotics in Environmental Matrices by LC-MS/MS
17:00	25pC106	ICAS11-P1070	Christopher Palmer	Particulate Matter Levels and Exposure as a Result of Residential Wood Stove Use: Analytical Methods and Monitoring of Impacted Air Sheds
17:20	25pC107	ICAS11-P0533	Tetsuya Nakazato	A High-Efficiency Reagent-Free Photoreactor for TOC Analysis of Dissolved Organic Matter in Environmental Water
17:40	25pC108	ICAS11-P0973	Basheer Chanhasha	Analysis of Phthalates Using Room Temperature ionic liquid coupled with Gas Chromatography-Mass Spectrometry

**Wednesday, May25 (am) Room C2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S04-a) Electrochemistry</b>				
10:00	25aC201 (Keynote)	ICAS11-P0997	Hubert H Girault	Electrochemical Aspects of Proteomics and Mass Spectrometry
10:30	25aC202 (Invited)	ICAS11-P0135	Michael V. Mirkin	Scanning Electrochemical Microscopy on the Nanoscale
10:50	25aC203 (Invited)	ICAS11-P1035	Yuanhua Shao	Charge Transfer Processes at Micro- and Nanoscopic Liquid/Liquid Interfaces
11:10	25aC204	ICAS11-P0069	Hirohisa Nagatani	Encapsulation of Anionic Dyes in PAMAM Dendrimer at a Polarized Liquid/Liquid Interface
11:25	Break			
11:40	25aC205 (Invited)	ICAS11-P1053	Phillipe Buhlmann	Carbonate Sensors Based on Receptor-Doped Perfluoropolymers: A Major Improvement over Trifluoroacetophenones
12:00	25aC206	ICAS11-P0130	Guobao Xu	Bioanalysis Based on Electrogenenerated Chemiluminescence of Ruthenium Complexes
12:15	25aC207	ICAS11-P0055	Toshiyuki Osakai	Mechanistic Study of the Electron Transfer of Cytochrome c at the Oil/Water Interface

**Wednesday, May25 (pm) Room C2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S04) Electrochemistry</b>				
14:30	25pC201 (Keynote)	ICAS11-P0125	Koichi Aoki	Voltammetric Detection of Self-forming Nitrobenzene Droplets in Water
15:00	25pC202 (Invited)	ICAS11-P0687	Robert Dryfe	Graphene and Carbon Nanotubes: The Ideal Electrode Materials
15:20	25pC203 (Invited)	ICAS11-P0154	Zdenek Samec	Ion and Electron Selectivity of a Polarized Redox-Active Ionic-Liquid Membrane
15:40	25pC204	ICAS11-P0260	Munetaka Oyama	Fabrications of Gold Nanoparticle-Attached Indium Tin Oxide Electrodes for Electroanalysis
15:55	25pC205	ICAS11-P0557	Yumi Yoshida	Application of a Conducting Polymer-coated Electrode to the Thin Layer Cell for Voltammetry at the Liquid-Liquid Interface
16:10	Break			
16:25	25pC206 (Keynote)	ICAS11-P1113	Hasuck Kim	Analytical Methods for Ion Sensing Based on Molecular Switchings
16:55	25pC207 (Invited)	ICAS11-P0983	Shigeru Amemiya	Probing the Permeability of Biological and Artificial Nanopores by Scanning Electrochemical Microscopy (SECM)
17:15	25pC208	ICAS11-P0488	Zhuang Li	Construction of Controllable Nanowires by SPM Nanomanipulation
17:30	25pC209	ICAS11-P0935	Naoya Nishi	X-ray Reflectivity Studies on the Multilayer Structure at Ionic Liquid Interfaces
17:45	25pC210	ICAS11-P1154	Ari Ivaska	Potentiometric Detection of Biologically Important Macromolecules

**Wednesday, May25 (am) Room D**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S13) Biomolecular Imaging</b>				
10:00	25aD01 (Keynote)	ICAS11-P1009	Tetsuo Nagano	Development of Fluorescent Probes for Bioimaging Applications
10:30	25aD02 (Invited)	ICAS11-P0242	Mingyuan Gao	Magnetic Nanocrystals: Preparations and Bioimaging Applications
10:55	Break			
11:10	25aD03 (Invited)	ICAS11-P0273	Itaru Hamachi	Chemical Labeling and Imaging of Protein in Live Cells
11:35	25aD04 (Invited)	ICAS11-P0724	Kazuya Kikuchi	Design, Synthesis and Biological Application of <i>in vivo</i> Imaging Probes with Tunable Chemical Switches
12:00	25aD05	ICAS11-P0188	Yasutaka Kurishita	FRET-Based Ratiometric Chemosensor for in Cell Fluorescence Analysis of Nucleoside Polyphosphates
12:15	25aD06	ICAS11-P0650	Kalyan K. Sadhu	Turn-on Fluorescence Switch Involving Aggregation-Separation Process for BL-Tag
12:30	25aD07	ICAS11-P1021	Yilin Li	Quantum Dot-Antisense Oligonucleotide Conjugates for Multifunctional Gene Transfection, mRNA Regulation, and Tracking of Biological Processes

**Wednesday, May25 (pm) Room D**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S01) Chromatography and Electrophoresis</b>				
14:30	25pD00			
14:35	25pD01 (Keynote)	ICAS11-P0409	Gert Desmet	Optimal Use of Ultra-high Pressures in Liquid Chromatography
15:05	25pD02 (Invited)	ICAS11-P0118	Jin-Ming Lin	Chirality and Amphiphilicity of Amylose and its Applications in Chiral Recognitions
15:30	25pD03 (Invited)	ICAS11-P0419	Hian Kee Lee	Miniaturized Solvent- and Sorbent-Based Sample Preparation: Considerations for Potential Onsite Applications
15:55	25pD04	ICAS11-P0012	Toshihiko Hanai	Quantitative in Silico Analysis of Chromatographic Retention
16:15	Break			
16:30	25pD05	ICAS11-P0879	Kenji Hamase	Integrated Two-Dimensional HPLC Determination of All Proteinogenic Amino Acid Enantiomers and its Clinical Applications
16:50	25pD06	ICAS11-P1069	Christopher Palmer	Characterization of a Latex Nanoparticle Pseudo-Stationary Phase for Electrokinetic Chromatography with UV and ESI-MS detection.
17:10	25pD07	ICAS11-P0692	Fumihiko Kitagawa	Application of Nanoparticles to Capillary Electrophoresis
17:30	25pD08	ICAS11-P0127	Zhen Liu	Novel Boronic Acid Functionalized Monoliths and Nanoparticles: Cis-diol Biomolecules: Catch Me if You Can!
17:50	25pD09	ICAS11-P0158	Takashi Kaneta	Determination of Multidrug Resistance Protein 1 by Capillary Electrophoresis Immunoassay in Cancer Cells

**Wednesday, May25 (am) Room E**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S05) Micro-analysis and Microfluidics + S14) Omics</b>				
10:00	25aE01 (Keynote)	ICAS11-P1162	Rustem F. Ismagilov	SlipChip, Chemistrode, and Droplet-Based Microfluidic Technologies: from Basic Science to Applications
10:30	25aE02 (Invited)	ICAS11-P1168	Hiroyuki Noji	Femtoliter Chamber Array for Single Molecule Bioassay
10:50	25aE03 (Invited)	ICAS11-P1189	Kazuma Mawatari	Extended-nano Fluidic Systems for Analytical Technology at Picolitter to Attolitter Scale
11:15	Break			
11:30	25aE04	ICAS11-P0928	Bifeng Liu	Microfluidic Chip for Cell Analysis
11:50	25aE05	ICAS11-P0932	Mohammad Hassan Mallah	Dispersive Liquid-Liquid Microextraction Combined with Flame Atomic Absorption Spectrometry for Extraction and Determination of Lithium Ion in Water Sample
12:10	25aE06	ICAS11-P1178	Ryo Ishibashi	Pressure-driven Chromatography in Extended Nanochannels

**Wednesday, May25 (pm) Room E**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S17) Geochemical Analysis</b>				
14:30	25pE01 (Keynote)	ICAS11-P0053	Derek Vance	Using Transition Metal Isotopes to Study the Present and Past Biogeochemistry of the Oceans
15:00	25pE02 (Invited)	ICAS11-P0215	Jingfeng Wu	Sampling and Analysis of Dissolved Iron and Iron Isotopes in Oceanic Waters
15:20	25pE03 (Invited)	ICAS11-P0204	Francois Lacan	Iron Isotopes in Seawater, a New Effective Tool for Studying the Iron Oceanic Cycle
15:40	25pE04 (Invited)	ICAS11-P0463	Takafumi Hirata	Iron Isotope Signature of Blood Samples from Shark and Seal : Implication to Tracing the Biological Cycling of Iron in Marine Environment
16:00	25pE05 (Invited)	ICAS11-P0469	Hiroshi Amakawa	Tracing Migration of Fish Using Sr Isotopic Composition of Otolith
16:20	Break			
16:25	25pE06 (Invited)	ICAS11-P0743	Man-Sik Choi	Sources and Pathways of Anthropogenic Pb in Ulleung Basin Sediments, East/Japan Sea, using Stable Pb Isotopes
16:45	25pE07 (Invited)	ICAS11-P0878	Masaharu Tanimizu	Reconstruction of Historical Pb Isotopic Change Determined from the Pacific Coral Samples -Natural and Anthropogenic Record-
17:05	25pE08	ICAS11-P1169	Yoshio Takahashi	Change of Fe Species and Increase of Its Solubility During Long-Range Transport of Asian Dust
17:20	25pE09	ICAS11-P0665	Irina Kubrakova	Platinum in Oceanic Ferromanganese Crusts: Content and Mechanism of Accumulation
17:35	25pE10	ICAS11-P1025	Teruhiko Kashiwabara	Speciation of Tungsten in Natural Ferromanganese Oxides Using Wavelength Dispersive XAFS and its Implication to Isotopic Fractionation
17:50	25pE11	ICAS11-P0943	Michiko Fukushima	Multi-element Determination of Several Species of Marine Invertebrates from Japanese Coastal Water by Neutron and Photon Activation Analysis
18:05	25pE12	ICAS11-P1167	Jing Zhang	Fluxes of Trace Elements in Fresh Submarine Groundwater Discharge in the Coastal Environment Using the CM-PEHA Resin Preconcentration Method

**Wednesday, May25 (pm) Room I**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S09) X-ray Analysis</b>				
14:30	25pI01 (Keynote)	ICAS11-P0613	Magnus Sandstrm	X-Ray Analyses Reveal Sulfur Threat to Historical Shipwrecks
15:00	25pI02 (Invited)	ICAS11-P0592	Nand Lal Misra	Total Reflection X-Ray Fluorescence: An Ideal Technique for Elemental Determinations in Nuclear Materials
15:25	25pI03	ICAS11-P0581	Akio Uesaka	3D Atomic Imaging Around Specific Element by Inverse Photoelectron Holography
15:40	25pI04	ICAS11-P0945	Taiji Amano	Quantitative and Chemical-State Analysis Method of Nitrogen in Graphitic Carbons using Total-Electron-Yield Soft X-Ray Absorption Spectroscopy
15:55	25pI05	ICAS11-P1083	Yoshihiro Yokota	Metal Particle Detection by Using XRF Mapping
16:10	Break			
16:30	25pI06 (Invited)	ICAS11-P0310	Kenji Sakurai	Time-resolved X-ray Analysis - to See How Samples Change in Realtime
16:55	25pI07 (Invited)	ICAS11-P0937	Matthias Muller	High-resolution X-ray Emission Spectrometry for Improved X-ray Fluorescence Analysis
17:20	25pI08 (Invited)	ICAS11-P0274	Jung Ho Je	Real-Time Studies by Phase Contrast X-ray Imaging
17:45	25pI09	ICAS11-P0365	Md Abdul Malek	The Combined Use of Attenuated Total Reflectance (ATR) FT-IR Imaging and Quantitative Energy Dispersive-Electron Probe X-Ray Microanalysis Techniques: Detailed Characterization of Individual Single Particles
18:00	25pI10	ICAS11-P0350	Nikolai Alov	Automated System for On-line X-ray Fluorescence Analysis of Iron-ore Mixtures

**Wednesday, May25 (am) Room J**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S15) Pharmaceutical Science</b>				
10:00	25aJ01 (Keynote)	ICAS11-P0104	Anthony J. Destefano	Application of QbD Concepts to Analytical Methods - Impurity Control Strategies and Compendial Implications
10:30	25aJ02 (Invited)	ICAS11-P1134	Yoshihiro Matsuda	Regulatory Perspectives on Quality by Design (QbD) in Japan
10:55	Break			
11:20	25aJ03 (Invited)	ICAS11-P0778	Hirokazu Matsunaga	Quality Strategy and Analytical Technology
11:45	25aJ04	ICAS11-P0229	Wataru Momose	Necessities and Challenges for Effective Application of PAT through Both Pharmaceutical Development and Commercial Production
12:00	25aJ05	ICAS11-P0231	Hirofumi Kuroda	The Introduction of Design Space and PAT into Drug Substance Manufacturing Section at Eisai Co., Ltd.
12:15	25aJ06	ICAS11-P0017	Marika Kamberi	Method Validation in Pharmaceutical Analysis

**Wednesday, May25 (pm) Room J**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S15) Pharmaceutical Science</b>				
14:30	25pJ01 (Keynote)	ICAS11-P1033	Irving W. Wainer	Cellular Membrane Chromatography: Working at the Intersection of Biology, Pharmacology and Analytical Chemistry
15:00	25pJ02 (Invited)	ICAS11-P1032	Bezhan Chankvetadze	Application of Capillary Electrophoresis to Pharmaceutical and Biomedical Analysis of Chiral Drugs
15:25	25pJ03 (Invited)	ICAS11-P0998	Hanfa Zou	Application of Chemical Proteomics Technology in Pharmaceutical Sciences
15:50	25pJ04 (Invited)	ICAS11-P0390	Jun Haginaka	Monodispersed, Molecularly Imprinted Polymers for Selective Separation and Extraction of Pharmaceuticals
16:15	Break			
16:35	25pJ05	ICAS11-P0682	Krzysztof Jozwiak	The Use of Cellular Membrane Affinity Chromatography in Development of New Selective Inhibitors of the $\alpha\beta4$ Subtype of Nicotinic Acetylcholine Receptor
16:55	25pJ06	ICAS11-P0966	Masaru Kato	Efficient Analytical Method for Biomolecules Using Hydrogel
17:15	25pJ07	ICAS11-P0603	Takashi Tokunaga	Chiral LC-CD-NMR: New Technique for Chiral Compounds Analysis without Authentic Samples
17:30	25pJ08	ICAS11-P0699	Khalidun Mohammad Al Azzam	Enantioselective Analysis of ofloxacin and Ornidazole in Pharmaceutical Formulations by Capillary Electrophoresis Using Single Chiral Selector and Computational Calculation of their Inclusion Complexes
17:45	25pJ09	ICAS11-P0097	Zilin Chen	New Approaches to Apply Liquid Chromatography-Electrochemical Detection Technique in Analysis of Active Components in Chinese Medicine

**Wednesday, May25 (am) Room K**

Start	Number	Submission ID	Presenter	Presentation Title
<b>G02) Separation / Flow / Micro Analysis</b>				
10:00	25aK01	ICAS11-P0124	Youngsoo Cho	Extraction of Thiocyanate Using Polymer Inclusion Membranes (PIMs)
10:12	25aK02	ICAS11-P0239	Kayo Odagiri	Effect of Co-existing Plasticizers for Quantitative Analysis of Regulated Phthalates in Poly(vinyl chloride) by Thermal Desorption GC/MS
10:24	25aK03	ICAS11-P0930	Hiroshi Mukai	Solvent Extraction of Metal Ions into 1-Butanol Solution with 4,5-Bis(diphenylphosphinoyl)-1,2,3-triazole
10:36	25aK04	ICAS11-P0991	Tomoki Yabutani	Synthesis and Characterization of Amidoxime Functional Group Incorporated Carbon for Separating Heavy Metals
10:48	25aK05	ICAS11-P1059	Yuko Hasegawa	Separation of Middle Rare Earths(III) with Synergistic Extraction
11:00	25aK06	ICAS11-P0187	Akio Yuchi	Interionic Contacts on Cation-Exchange Resins
11:12	Break			
11:24	25aK07	ICAS11-P0658	Eishi Yoshikawa	The Removal Method for Boron with Formation of Hydroxyapatite
11:36	25aK08	ICAS11-P0662	Natsumi Muramatsu	The Ion Exchange Characteristics of Itaya Natural Zeolite
11:48	25aK09	ICAS11-P0126	Ryoko M. Uda	Photosensitive Separation of Proteins by Reverse Micelles Containing Malachite Green Derivative
12:00	25aK10	ICAS11-P1044	Jianhua Wang	Functionalized Biomaterials Sorb and Speciate Inorganic Selenium and Arsenic
12:12	25aK11	ICAS11-P1045	Mingli Chen	Mercury Speciation with L-Cysteine Functionalized Cellulose Fibre as Adsorbent by Atomic Fluorescence Spectrometry

**Wednesday, May25 (pm) Room K**

Start	Number	Submission ID	Presenter	Presentation Title
<b>G02) Separation / Flow / Micro Analysis</b>				
14:30	25pK01	ICAS11-P0707	Guan Huat Tan	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)
14:42	25pK02	ICAS11-P0797	Agha Zeeshan Mirza	Method Development and Validation of Pioglitazone, Fexofenadine, Cetirizine and Levocetirizine by RP-HPLC
14:54	25pK03	ICAS11-P0354	Farhan Ahmed Siddiqui	Simultaneous Determination of Metformin, Pioglitazone and Glimepiride by RP-HPLC and its Application in Pharmaceutical Formulations and in Human Serum
15:06	25pK04	ICAS11-P0421	Taichi Yamazaki	Dehydrogenated Dimerization of Phenolic Steroids in Reversed Phase HPLC
15:18	25pK05	ICAS11-P0511	Hongdeng Qiu	Poly(ionic liquid)-grafted Silica Stationary Phases for High-Performance Liquid Chromatography
15:30	25pK06	ICAS11-P0410	Farhan Ahmed Siddiqui	Simultaneous Determination of Cetirizine in Presence of Quinolones in Human Serum Using HPLC
15:42	25pK07	ICAS11-P0964	Hiroshi Kobayashi	Development of a Micro-pillar Array Separation Device for Commercially Available High Performance Liquid Chromatography Systems
15:54	25pK08	ICAS11-P0163	Yoshihiro Saito	Sample Preparation Needle for Various Analytical Situations
16:06	25pK09	ICAS11-P0171	Reinhard Boysen	Simultaneous Separation of Hydrophobic and Hydrophilic Peptides on a Silica Hydride Column Using Aqueous Normal Phase Conditions
16:18	Break			
<b>G11) Geochemical Analysis</b>				
16:30	25pK10	ICAS11-P0933	R. K. Dey	Development of New Inorganic-Organic Hybrid Ion-exchanger of Zr(IV)-Propanolamine for Efficient Removal of Fluoride from Drinking Water
16:42	25pK11	ICAS11-P0975	Vladimir P. Kolotov	Image Methods in Nuclear Analytics
16:54	25pK12	ICAS11-P0133	Kazuya Takahashi	Sources of Vermilion Collected from Ancient Japanese Tombs, Determined by the Measurements of Lead Isotopes
17:06	25pK13	ICAS11-P0091	Yudan Wang	Analysis of Mechanism of the Biosorption of Rare Earth Elements Using <i>Buccinum Tenussumum</i> Shell Biomass
17:18	25pK14	ICAS11-P0152	Kanchana Usuwanthim	Efficiency of Phosphorus Removal by Acinetobacter Species in Biological Wastewater Treatment Model, Under Appropriate Conditions
17:30	25pK15	ICAS11-P1088	Sunyoung Bae	Effect of Changes in Physicochemical Characteristics of Biochar on Heavy Metal Sorption
17:42	25pK16	ICAS11-P1039	Keivan Nemati	Investigation of Trace Element Mobility Potential in Different Depths at Sungai Buloh Sediments with BCR Sequential Extraction Scheme by ICP-MS

**Thursday, May26 (am) Room A**

Start	Number	Submission ID	Presenter	Presentation Title
<b>Plenary Lectures</b>				
9:00	26aA01 (Plenary)	ICAS11-P0576	Takashi Kakiuchi	Electroanalytical Chemistry of Ionic Liquids: New Bottles for New Wine?
<b>S04) Electrochemistry</b>				
10:00	26aA02 (Keynote)	ICAS11-P0043	Christian Andre Amatore	Investigating Oxidative Stres at the Single Cell Level
10:30	26aA03 (Invited)	ICAS11-P0208	Osamu Niwa	Direct Electron Transfer with Enzyme in Nano-structured Carbon Film Fabricated with Maskless Top-down UV/Ozone Process
10:50	26aA04 (Invited)	ICAS11-P0275	Erkang Wang	Fluorescent Silver Nanoclusters Stabilized by DNA and Related Analytical Applications
11:10	26aA05	ICAS11-P0579	Masato Tominaga	Electron Transfer Reaction of Laccase with Single-Walled Carbon Nanotubes Modified with Phosphatidyl Choline
11:25	Break			
11:40	26aA06 (Keynote)	ICAS11-P0277	Shaojun Dong	Biocomputing Logic Systems for Intelligent Aptasensors and Related Applications
12:10	26aA07 (Invited)	ICAS11-P0836	Keni Kano	Direct Electron Transfer-type Biocathode in Biological Fuel Cells
12:30	26aA08 (Invited)	ICAS11-P1055	Baohong Liu	Titania Based Platform for Protein Phosphorylation Analysis
12:50	26aA09	ICAS11-P0815	Hiroshi Aoki	Label-Free and Reagent-Free DNA Detection Based on Supramolecular Electrochemistry
13:05	26aA10	ICAS11-P0632	Osamu Shirai	Neurotransmission Model by Use of Liquid Membrane Cell System
13:20	26aA11	ICAS11-P0324	Sorin Kihara	Rapid and Precise Coulometric Determination and Separation of Redox Inert Ions Based on Electrolysis for Ion Transfer at the Aqueous/Organic Solution Interface

**Thursday, May26 (am) Room B1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S19) Forensics and Homeland Security</b>				
10:00	26aB101 (Keynote)	ICAS11-P1187	Duk-Dong Lee	Sensor Technologies for Detection of Hazardous Gases
10:30	26aB102 (Invited)	ICAS11-P0853	Yasuo Seto	Development of On-site Detection System for Chemical Warfare Agents using Japanese Novel Technologies
10:55	26aB103	ICAS11-P0120	Chatchawal Wongchoosuk	Detection of Human Armpit Odor: Instrument and Method
11:15	26aB104	ICAS11-P0050	Akihiko Okumura	Rapid Detection of Chemical Warfare Agents in Air using Atmospheric Pressure Chemical Ionization Ion Trap Tandem Mass Spectrometry
11:35	Break			
11:50	26aB105 (Invited)	ICAS11-P0863	Toru Tanimori	Development of Micro Tracking TPC Using a Micro Gas Pattern Chamber, and Applications to Gamma-ray and Neutron Real-time Imaging
12:15	26aB106 (Invited)	ICAS11-P0861	Hirotsuka Uzawa	Label-free Detection of the Deadly Toxin Ricin Using Localized Surface Plasmon Resonance
12:40	26aB107	ICAS11-P0963	Hidenori Nagai	Ultra-fast DNA Ddetection Using a PCR Microfluidic Device
13:00	26aB108	ICAS11-P0030	Minoru Sakairi	High Throughput Detection of Improvised Devices by Using Mass Spectrometry

**Thursday, May26 (am) Room B2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S02) Molecular Spectroscopy</b>				
10:00	26aB201 (Keynote)	ICAS11-P1136	Hiro-o Hamaguchi	An Old New-Face of Vibrational Spectroscopy: Hyper-Raman Scattering
10:30	26aB202 (Keynote)	ICAS11-P1112	Michael D. Morris	Raman Spectroscopic Measures of Bone Quality and Function
11:00	26aB203	ICAS11-P1177	Hidetoshi Sato	Optical Biopsy for Live Tissue and Cell Analysis
11:15	26aB204 (Invited)	ICAS11-P1078	Sergei G. Kazarian	ATR-FTIR Spectroscopic Imaging
11:40	26aB205 (Invited)	ICAS11-P1081	Neil Lewis	Hybrid Chemical and Physical Particle Characterization of Biological and Pharmaceutical Materials
12:05	Break			
12:20	26aB206 (Invited)	ICAS11-P0873	Hiroharu Yui	New Spectroscopic Approaches to Plasma/Solution Interfaces
12:40	26aB207 (Invited)	ICAS11-P0476	Akifumi Ikehata	Attenuated Total Reflection for Ultraviolet Spectroscopy: A New Analytical Method for Liquid Samples
13:00	26aB208	ICAS11-P0703	Yusuke Morisawa	Experimental and Theoretical Study of Allowed Electronic Transitions of Organic Liquids in Far-Ultraviolet Region with Attenuated Total Reflection Technique
13:15	26aB209 (Invited)	ICAS11-P1117	Hiroaki Misawa	Electromagnetic Field Enhancement Effects on Surface-enhanced Raman Scattering Using Nano-engineered Gold Particles

**Thursday, May26 (am) Room C1**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S16-c) Environmental Analysis: Advanced Flow-based Analytical Chemistry</b>				
10:00	26aC101 (Keynote)	ICAS11-P1061	Victor Cerda	Radiochemical Multicommuted Flow Techniques Applied to Environmental Samples
10:30	26aC102	ICAS11-P0570	Toshio Takayanagi	Spectrophotometric Flow Injection Analysis of Chromium (VI) Coupled with On-line Solid-phase Extraction with Anion-exchange Resin Cartridge
10:45	26aC103	ICAS11-P0353	Fernando Maya	Improved Determination of Paraquat in Waters Combining the Multisyringe Flow Injection Technique with Liquid Core Waveguides
11:00	26aC104	ICAS11-P0509	Phimpha Soisungnoen	Dual Preconcentration Methods with Micellar Electrokinetic Chromatography for the Determination of Organophosphate Insecticides in Water Samples
11:15	26aC105	ICAS11-P0209	Benjaporn Tossanaitada	Sequential Injection Analysis of Nitrate Ion Using a Microchip with an Embedded Nitrate Ion-selective Electrode as a Detector
11:30	Break			
11:50	26aC106 (Invited)	ICAS11-P0251	Toshihiko Imato	Fulorimetric Detection System for Micro-Flow Analysis Using Organic Light Emitting Diode with Spectrally Narrow Emission at Cutoff Wavelength from Edge
12:10	26aC107	ICAS11-P0947	Hermin Sulistyarti	Study of Cyanide Exchange Using Amine and Sulfur Based Ligands
12:25	26aC108	ICAS11-P0075	Shin-Ichi Ohira	Rapid Ion Transfer from Sample Matrix for Ion Analysis
12:40	26aC109	ICAS11-P0184	Oscar Nuez	Chromatographic and Electrophoretic Analysis of Nanoparticles (Fullerenes and Fullerene Derivatives)
12:55	26aC110	ICAS11-P0453	Natthaya - Butwong	Speciation of Arsenic Based on Quenching of CdS QDs Fluorescence Intensity

**Thursday, May26 (am) Room C2**

Start	Number	Submission ID	Presenter	Presentation Title
<b>G01) Spectroscopy / Spectrometry: Mass</b>				
10:00	26aC201	ICAS11-P0741	Yu-Ching Chang	Quantitative Analysis of Dixons in Soil by Gas Chromatography/Femtosecond Multiphoton Ionization/Time-of-Flight Mass Spectrometry
10:12	26aC202	ICAS11-P0757	Harue Hiramoto	Pico-drop Sweat NanoMS from a Single Sweat Gland on a Finger
10:24	26aC203	ICAS11-P1001	Tohru Yamagaki	Hydrogen Removing by UV-Laser Irradiation and Differentiation of Flavonoid Glycoside Isomers by Using UV Matrix-assisted Laser Desorption/Ionization Mass Spectrometry
10:36	26aC204	ICAS11-P0011	Elena S. Chernetsova	Direct Analysis in Real Time Mass Spectrometry and its Analytical Applications
10:48	26aC205	ICAS11-P0377	Noriyasu Niimura	Structural Study of a Japanese Lacquer Film with Thermogravimetry-Linked Scan Mass Spectrometry
11:00	26aC206	ICAS11-P0297	Chia-Hsien Chang	Thermal Desorption Ambient Mass Spectrometry for Small Molecules
11:12	Break			
<b>G06) Nanomaterials and Nanotechnology</b>				
11:24	26aC207	ICAS11-P0847	Shiau Fong Tay	Synthesis and Characterization of Au-Ti-MPS Catalyst
11:36	26aC208	ICAS11-P0941	Sis Woyo	Synthesis and Size Separation of Gold Nanoparticles by Hydrodynamic Chromatography
11:48	26aC209	ICAS11-P0144	Deden Saprudin	Synthesis of Magnetite Nanocrystal Used Urea as Modifier for the Voltammetric Determination of Chromium(VI)
12:00	26aC210	ICAS11-P0245	Tan Say Min	Electrical and Optical Properties of PMMA-PEO-LiClO <sub>4</sub> -EC-MnO <sub>2</sub> Polymer
12:12	26aC211	ICAS11-P0919	Hossein Tavallali	Application of Multiwalled Carbon Nanotubes Modified by Glutarid-Dihydrazide as Solid Phase Extraction Adsorbent for Preconcentration and Determination of Cu <sup>2+</sup> , Zn <sup>2+</sup> , Ni <sup>2+</sup> and Fe <sup>2+</sup> in Water Samples by Flame Atomic Absorbtion spectrometry
12:24	26aC212	ICAS11-P0670	Ayumi Hirano-Iwata	Improved Stability of Lipid Bilayers Based on Nano-Fabrication
12:36	26aC213	ICAS11-P0131	Kumiko Sakai-Kato	Size Separation of Nanoparticles Using Monolithic Capillary Column
12:48	26aC214	ICAS11-P0093	Ay Ching Hee	Preparation of NiZn Ferrite Layers by Electrophoretic Deposition

**Thursday, May26 (am) Room D**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S01) Chromatography and Electrophoresis</b>				
10:00	26aD01 (Keynote)	ICAS11-P0119	Daniel T Chiu	Chemical Separation and Analysis of Ultrasmall Sample Volumes
10:30	26aD02 (Invited)	ICAS11-P0180	Noritada Kaji	Nanofabricated Structures for Biomolecule Separation and Detection
10:55	26aD03 (Invited)	ICAS11-P0261	Guowang Xu	Ultra-High Capacity Liquid Chromatography Chip/Quadrupole Time-of-Flight Mass Spectrometry for Small Molecular Analysis
11:20	26aD04	ICAS11-P0560	Tohru Takarada	Affinity Capillary Electrophoresis for Quantitative Gene Diagnostics
11:35	Break			
11:50	26aD05	ICAS11-P0732	Shinya Kitagawa	Development of Simultaneous Two Dimensional Separation Method Using Planer Column
12:05	26aD06	ICAS11-P1073	Michal J. Markuszewski	Diagnosis of Cancer Diseases Based on Metabonomic Urine Analysis
12:25	26aD07	ICAS11-P0378	Joselito P. Quirino	On-line Sample Concentration in Electrokinetic Chromatography
12:45	26aD08	ICAS11-P0083	Takeshi Hirokawa	Capillary Zone Electrophoresis Using Electrokinetic Supercharging Preconcentration - from Small Ions to DNA Fragments
13:05	26aD09	ICAS11-P0282	Takayuki Kawai	Highly Sensitive Chiral Analysis by Capillary Electrophoresis Using Large-volume Sample Stacking with Electroosmotic Flow Pump
13:20	26aD10	ICAS11-P1194	Yuki Hashi	New approach of Simple Pretreatment by Using Monolithic Material Sorption Extraction for GCMS/LCMS Analysis

**Thursday, May26 (am) Room E**

Start	Number	Submission ID	Presenter	Presentation Title
<b>S17) Geochemical Analysis</b>				
10:00	26aE01 (Keynote)	ICAS11-P0483	Kenneth W. Bruland	Overview of Analytical Methods for Multi-element Determination of Dissolved Trace Metal Concentrations in Seawater: Results from GEOTRACES Intercalibration Efforts
10:30	26aE02 (Invited)	ICAS11-P0121	Tung-Yuan Ho	Determination of Trace Metals in Seawater by an Automated Flow Injection Ion Chromatograph Pretreatment System with ICPMS
10:50	26aE03 (Invited)	ICAS11-P0129	Yoshiki Sohrin	Marine Geochemistry of Molybdenum and Tungsten
11:10	26aE04	ICAS11-P0029	Hajime Obata	Automated <i>in-situ</i> Flow Analytical Method of Fe(II) in Seawater Using Luminol Chemiluminescence Detection
11:25	26aE05	ICAS11-P0185	M. Lutfi Firdaus	Marine Chemistry of Zirconium, Hafnium, Niobium and Tantalum
11:40	Break			
11:45	26aE06	ICAS11-P0791	Toshitaka Gamo	Hydrothermal Plumes in the Gulf of Aden: Characterization from Mn, Fe, CH <sub>4</sub> and its δ <sup>13</sup> C Profiles
12:00	26aE07	ICAS11-P0328	Kiminori Shitashima	Behavior of Trace Elements in Hydrothermal Plume
12:15	26aE08	ICAS11-P0168	Hiroshi Uchida	Development of a Small and Fast-Responding Optode Sensor for Standardization of Dissolved Oxygen Measurements
12:30	26aE09	ICAS11-P0859	Akihiko Murata	Development of Non-toxic Reference Material for Oceanic Inorganic Carbonate System Parameters
12:45	26aE10	ICAS11-P0161	Michio Aoyama	Present Homogeneity and Stability of Reference Materials for Nutrients in Seawater
13:00	26aE11	ICAS11-P0238	Hitoshi Mitsuda	Production of a Reference Material for Nutrients in Seawater and Current Developing Reference Materials in Seawater
13:15	26aE12	ICAS11-P0250	Takeshi Yoshimura	Developing Reference Materials for Dissolved Organic Matter Analysis

**Thursday, May26 (am) Room I**

Start	Number	Submission ID	Presenter	Presentation Title
<b>G10) Environmental Analysis</b>				
10:00	26aI01	ICAS11-P1019	Lan Tran Thi Ngoc	Development of New Diffusive Passive Samplers for Ambient Air Ozone and Ozone Concentration in Hochiminh City
10:12	26aI02	ICAS11-P0843	Toru Ozeki	Study on the Emission and Transportation of Air Pollutants in Korea and Japan through Chemical Analysis of Ionic Species of Precipitation Samples (Rain and Snow) Done by the Collaborative Wide-Area Researches.
10:24	26aI03	ICAS11-P1012	Mohd.Nur-E-Alam Siddique	Air Quality of Bangladesh-An Overview in Dhaka City
10:36	26aI04	ICAS11-P0597	Atsushi Sasaki	The Influences of Metal Ions on the Water Quality in an Acidic Water Environment
10:48	26aI05	ICAS11-P0096	Miho Tanaka	Silica Speciation with Pure Water and its Implication
11:00	Break			
11:12	26aI06	ICAS11-P0719	Maria Pythias Espino	Chromatoprobe Injection in GC-MS Determination of Tri- to Heptabrominated Diphenyl Ethers in Indoor Dust
11:24	26aI07	ICAS11-P0092	Lidi Gao	Separation and Analysis of Metals in Sludge from Some Industry Water Treatment Plant
11:36	26aI08	ICAS11-P0276	Tatsuya Urabe	Chemical Speciation of Iron(III) by ESI-MS: Hydrolysis and Coordination of Organic Ligands
11:48	26aI09	ICAS11-P0278	Syed Waliullah Shah	Isotherms, Kinetics and Thermodynamics of the Sorption of Methylene Blue onto Amberlite XAD-7
12:00	26aI10	ICAS11-P0433	Kumiko Miyajima	Fiber-Optic Fluoroimmunoassay for Detection of House Dust Mite Allergen in Residential Environment

**Thursday, May26 (am) Room J**

Start	Number	Submission ID	Presenter	Presentation Title
<b>G04) Sensors</b>				
10:00	26aJ01	ICAS11-P1000	Ashok Kumar Singh	Fabrication of Novel Coated Graphite Electrode for Nano Level Determination of Cd <sup>2+</sup> Ions Selectively in Biological and Environmental Samples
10:12	26aJ02	ICAS11-P0054	Yoshitaka Masuda	Thallium(I) Ion-Selective Based on 1,4,7,- 10,13,16-Hexathiacyclooctadecane(HTCO)
10:24	26aJ03	ICAS11-P0020	Toshio Nakamura	Development and Application of Ion-Selective Electrodes in Nonaqueous Solutions
10:36	26aJ04	ICAS11-P0580	Abhichart Krissanaprasit	Ultrasensitive and Simultaneous DNA Detection Based on Scanometric using Latex/Gold Probes
10:48	26aJ05	ICAS11-P0321	Chongdee Thammakhet	Glucose Responsive Affinity Smart Polymer Gel Sensor
11:00	26aJ06	ICAS11-P0882	Chanpen Karuwan	Inkjet Printed Graphene-PSS Layer Based Electrochemical Sensors for Salbutamol Sensing
11:12	Break			
11:24	26aJ07	ICAS11-P0169	Yusuke Goto	Electrochemical Study of Response Property of FET Sensor with Ferrocene-modified Gold Electrode in Blood-sample Measurement
11:36	26aJ08	ICAS11-P0955	Danke Xu	Aptamer Switch Fluorescent Probes Based on Silver Nanoprobes
11:48	26aJ09	ICAS11-P0725	Kotaro Morita	Chromotropic Acid-based Electrochemical Sensor for the Detection of Metal Cations with Valence Discrimination
12:00	26aJ10	ICAS11-P0883	Bailin Zhang	Microcantilever Sensing and <i>in situ</i> Scanning Tunneling Microscopy on Molecular Interactions at Interfaces
12:12	26aJ11	ICAS11-P0082	Maria C Moreno-Bondi	Optical Microarrays for the Detection of Microcystins in Environmental Waters
12:24	26aJ12	ICAS11-P0342	Sergiy Korposh	Detection of Organic Carboxylic Acids Using Long Period Grating (Lpg) Fibre-Optic Sensors Modified with Mesoporous Silica Nano-Thin Films
12:36	26aJ13	ICAS11-P0490	Seng-Woo Lee	Ewanescent Wave Fibre Optic Chemical Sensors Modified with Nano-Assembled Thin Films

**Thursday, May26 (am) Room K**

Start	Number	Submission ID	Presenter	Presentation Title
<b>G08) Pharmaceutical and Clinical Analysis</b>				
10:00	26aK01	ICAS11-P0366	Erol Sener	A Simple and Sensitive LC-MS-ESI (Ion Trap) Method for the Determination of Bupropion and its Major Metabolite, Hydroxybupropion in Rat Plasma and Brain Microdialysates
10:12	26aK02	ICAS11-P0284	Ahmed Almousa	Pharmacokinetic Study on Fentanyl Using HPLC-UV after Intraperitoneal Administration to Rat
10:24	26aK03	ICAS11-P0416	Kelvin Sze-Yin Leung	Liquid Chromatography-Tandem Mass Spectrometry in Clinical Diagnosis Applications
10:36	26aK04	ICAS11-P0647	Shuhei Murayama	Regulate Cellular Function by Light
10:48	26aK05	ICAS11-P0831	Takeshi Mori	Simple Calorimetric Assay for Drug Screening and Cancer Diagnosis Based on an Intracellular Protein Kinase Activity
11:00	26aK06	ICAS11-P1031	Choedchai Saehuan	Ninhydrin Reaction on Thiol-reactive Solid and its Potential for the Quantitation of D-penicillamine
11:12	26aK07	ICAS11-P0441	Munkhbayar Munkhjargal	An Autonomous Drug Release System Based on Chemo-Mechanical Energy Conversion for Feedback Control of Blood Glucose Level
11:24	26aK08	ICAS11-P0243	Hamid-Reza Adhami	Isolation and Characterization of Two Compounds from <i>Semecarpus anacardium</i> L. with Acetylcholinesterase Inhibitory Activity
11:36	Break			
<b>G09) Food Science and Analysis</b>				
11:48	26aK09	ICAS11-P0876	Patitar Tumratchakrut	Influence of Gelatinisation on Extraction of Amino Acids from Rice
12:00	26aK10	ICAS11-P0479	Masaaki Tabata	Effects of Metal Ions (Cu <sup>2+</sup> , Fe <sup>2+</sup> , Fe <sup>3+</sup> ) on HPLC Analysis of Catechins
12:12	26aK11	ICAS11-P0001	Xu-Liang Cao	Analysis of Bisphenol a in Canned Foods by Gas Chromatography-Mass Spectrometry
<b>G14) Miscellaneous</b>				
12:24	26aK12	ICAS11-P1015	Pratima R Surati	Photochromic Behavior of Schiff Base Pyrazolone Analogs
12:36	26aK13	ICAS11-P1028	Kirankumar Ratilal Surati	Schiff Base Complexes of Iron (III) Derived with ONNO Donor Tetradentate Heterocyclic Ligands: Synthesis and Characterization
<b>G13) Education</b>				
12:48	26aK14	ICAS11-P0312	Viacheslav Vershinin	History and Methodology of Analytical Chemistry as Educational Course
<b>G14) Miscellaneous</b>				
13:00	26aK15	ICAS11-P1210	Ales Fajgeli	IUPAC Analytical Chemistry Division Overview of Current and Future Activities

**Monday, May23 Poster Presentation**

Start	Number	Submission ID	Presenter	Presentation Title
May23-Poster	ICAS11-P0005	Osamu Kogi		Simple and Rapid Single Nucleotide Polymorphism Genotyping Using an Automated Bead Chip System
May23-Poster	ICAS11-P0016	Tadashi Hayama		Fluorous Derivatization Combined with LC-MS/MS: Matrix Effect-Free Method for the determination of Biogenic Amines
May23-Poster	ICAS11-P0024	Jilka M. Perera		An Experimental and Theoretical Study of Diffusion in a Microfluidic Device
May23-Poster	ICAS11-P0038	Ruth Shimmo		Polydopamine as an Adhesive Coating for Open Tubular Capillary Electrochromatography
May23-Poster	ICAS11-P0039	Sen-Ichi Aizawa		Change in Enantiomer Migration Order of Tartaric Acid on Ligand Exchange Capillary Electrophoresis with Cu(II) and Ni(II)-D-Quinic Acid Systems
May23-Poster	ICAS11-P0042	Akiko Hayashi		Crystallographic microstructure of Calyptogena okutanii shell in deep-sea
May23-Poster	ICAS11-P0045	Isoshi Nukatsuka		Adsorption of Chondroitin Sulfates on Zirconium Oxide
May23-Poster	ICAS11-P0051	Shinya Yoshida		The Roles of Tobacco Fractions to Pyrolytic Formation of Aromatic Amines
May23-Poster	ICAS11-P0056	Mazyar Ahmadi Golefsidi		Effect of Some Functionalizing Methods on Carbon Nanotubes Treatment for Hollow Fiber-Solid Phase Micro extraction Based on Sol/Gel Technique to Quantitation of Trace Amounts of Phenolic Compounds in Environmental Samples by HPLC
May23-Poster	ICAS11-P0057	Tung-Hu Tsai		Determination of Nucleosides and Nitrogen Bases in Cordyceps Sinensis by High-Performance Liquid Chromatography with Photodiode-Array Detection
May23-Poster	ICAS11-P0067	Aleksandra Prokhorova		Electrophoretic Determination of Profens and Warfarin Enantiomers in Pharmaceuticals using Eremomycin-coated Capillaries
May23-Poster	ICAS11-P0094	Ayaka Kiya		Control of Spectroscopic Properties of Au-Ag Core-Shell Nanorods
May23-Poster	ICAS11-P0107	Wansika Kiatpathomchai		Use of Gold Nanoprobe Combined with Loop-Mediated Isothermal Amplification for Detection of Shrimp Taura Syndrome Virus
May23-Poster	ICAS11-P0111	Maria Duchko		Solid Phase Extraction of Phtalic Esthers with Polysorb Modified by Zinc Phtalocianine
May23-Poster	ICAS11-P0115	Prompong Pienpinijtham		Surface-Enhanced Raman Scattering of Starch-Reduced Gold Nanoparticles in Iodide - Thiocyanate Determination
May23-Poster	ICAS11-P0136	Teerakiat Kercharoen		Optical Gas Sensors Based on Inkjet Printed Molecular Layers
May23-Poster	ICAS11-P0141	Sachio Yamamoto		<i>In situ</i> Fabrication of Polyacrylamide-Based Preconcentrator on a Simple Poly (methyl methacrylate) Microfluidic Chip for Capillary Electrophoresis.
May23-Poster	ICAS11-P0148	Alexander Novikov		Extraction of Radionuclides by Bidentate Neutral Organophosphorus Compounds and Ionic Liquids
May23-Poster	ICAS11-P0151	Mikiembo Kukwikila		Development and Application of Chemical Tools for Nanopore Analysis
May23-Poster	ICAS11-P0155	Jutta Tentschert		Analysis of Cell Membrane Changes in Functional Impaired Human Macrophages after Nanosilver Treatment
May23-Poster	ICAS11-P0156	Yoshito Wakui		Extraction of Lanthanide Ions by Hydrophobic 2,6-Bis(5,6-dialkyl-1,2,4-triazin-3-yl)pyridine
May23-Poster	ICAS11-P0164	Sayed Yahya Kazemi		Kinetics Study of Selective Removal of Lead(II) in an Aqueous Solution Containing Copper(II) and Cadmium(II) Across Bulk Liquid Membrane
May23-Poster	ICAS11-P0166	Mohammad Hossein Mashhadizadeh		Separation/Preconcentration of Trace Amounts of Ag, Cd, Cu, and Zn in Environmental Samples Using Magnetic Nanoparticles Modified with 2-Amino-5-mercapto-1, 3,4-thiadiazole and their Determination by ICP
May23-Poster	ICAS11-P0176	Makoto Tsunoda		Determination of Catecholamines Using Mixed-Mode Reversed-Phase and Cation-Exchange High-Performance Liquid Chromatography
May23-Poster	ICAS11-P0182	Helena Franquet		Characterization of Wines by Analysis of Polyphenols using Capillary Electrophoresis and Chemometric Techniques.
May23-Poster	ICAS11-P0194	Mikhail Alexandrovich Statkus		Subcritical Water as a Solvent for Desorption of Analytes in On-line SPE-HPLC Analysis
May23-Poster	ICAS11-P0196	Vida Vickackaite		Hydrophilic Interaction Chromatography and Per Aqueous Liquid Chromatography for Separation of Imidazolium Ionic Liquid Cations
May23-Poster	ICAS11-P0198	Yuri Shoji		Mechanism of Liposome Solubilization Induced by Surfactant Observed in a Microchip
May23-Poster	ICAS11-P0201	Audrius Padarauskas		Dispersive Liquid-Liquid Microextraction Followed by Ultra-Performance Liquid Chromatography for the Determination of Metals
May23-Poster	ICAS11-P0205	Takao Yasui		Label-free Biosensor Approaches with Nanowall Arrays
May23-Poster	ICAS11-P0206	Proespichaya - Kanatharana		Polyaniline Nanowires/MWCNTs Graphite Electrode for Trace Bisphenol a Analysis
May23-Poster	ICAS11-P0214	Koji Kubono		Mixed-Ligand System for the Mutual Separation of Lanthanoids(III) with Hexadentate Schiff Bases and $\beta$ -Diketone
May23-Poster	ICAS11-P0218	Uma - Thanganathan		Characterization of Polyvinylalcohol Doped Inorganic Hybrid Membrane
May23-Poster	ICAS11-P0221	Keisuke Ikoma		Development of the Separation Method for Short Nucleic Acid Using Capillary HPLC
May23-Poster	ICAS11-P0222	Tadashi Nishio		Temperature-Responsive Chromatography utilizing Amino-Acid Based Functional Copolymer
May23-Poster	ICAS11-P0232	Hiroki Kumagai		Analysis of Genotoxic Impurity in Atenolol by High Sensitive PDA-UHPLC
May23-Poster	ICAS11-P0244	Xin Hong Song		A New Strategy for Drug Extraction in Aqueous Medium Using Electrochemically Enhanced Solid-Phase Microextraction
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May23-Poster	ICAS11-P1129	Atsushi Sakurazawa	A Double Beam Slab Optical Waveguide Spectrometer and its Application to Linear Dichroism Measurements of Dye Molecules Adsorbed onto Glass and TiO <sub>2</sub> Surfaces
May23-Poster	ICAS11-P1155	Takumi Moriyama	Characterization of Materials for Solar Cells
May23-Poster	ICAS11-P1165	Mina Tanoshima	Determination of Organo-Sn Compounds in Human Blood Using ICP-MS Coupled with Gas Chromatography
May23-Poster	ICAS11-P1184	Abul K. Mallik	Separation of Shape-constrained Isomers by Newly Developed Organic Phase in RP-HPLC
May23-Poster	ICAS11-P1193	Yuki Hashi	Chemical Comparison of Two Species of Notopterygium by High-Performance Liquid Chromatography-Photodiode Array Detection-Electrospray Ionization Tandem Mass Spectrometry
May23-Poster	ICAS11-P1199	Soo Hyun Park	A Capillary Electrophoretic Mobility Shift Assay to Quantitate the Interaction of DNA with NFAT from H9C2 Cell

## Tuesday, May24 Poster Presentation

Start	Number	Submission ID	Presenter	Presentation Title
May24-Poster	ICAS11-P0002	Sichem Guerrero		NO Adsorption on Highly Active Na/Cu/TiO <sub>2</sub> Catalysts
May24-Poster	ICAS11-P0007	Tetsuo Inui		Determination of Cr(III) and Cr(VI) in Water by Ion-Exchange/X-ray Fluorescence Spectrometry
May24-Poster	ICAS11-P0015	Shrikant Raghunath Kulkarni		A Study of Kinetics of Green Enzyme Catalysed Sonochemical Redox Reaction of Ketone/s using UV-Vis Spectrophotometry
May24-Poster	ICAS11-P0018	Kanlaya Sribuddhachart		Ultrastructural and Characteristic Analysis on Before Hatching Bird Eggshells in Thailand via Scanning Electron Microscope
May24-Poster	ICAS11-P0019	Mayuva Areekijsee		Regulation of Reproductive Porcine Cumulus Oocyte Complexes(COCs)During in Vitro Culture
May24-Poster	ICAS11-P0028	Hideo Yamazaki		Effect of Type of Core Sampler on Vertical Distribution of a Constituent in Aquatic Sediment
May24-Poster	ICAS11-P0032	Shang-Da Huang		Dispersive Liquid-liquid Microextraction Based on Ultrasound-assisted Emulsification Method Combines with Improved Solvent Collection System for Analysis of Organochlorine Pesticides in Aqueous Samples
May24-Poster	ICAS11-P0037	Phay Fang Gan		A Rapid Determination of Chlorhexidine Digluconate Content in Antimicrobial Preparation by First Derivative Spectrophotometry
May24-Poster	ICAS11-P0058	Fahimeh Jalali		Preparation of a Carbon Paste Electrode Modified with Nickel Salophen Complex and Application to the Electrocatalytic Oxidation of Tryptophan
May24-Poster	ICAS11-P0061	Titiya - Chittihunsa		The Screening and Partial Characterization for the Potential Bacillus for the Control of Chalkbrood Disease in Honey Bee, <i>Apis mellifera</i>
May24-Poster	ICAS11-P0070	Ekaterina Semenistaya		Development and Validation of a General Screening Method for Detection of Doping Substances in Human Urine Using HPLC/APCI-Orbitrap Mass Spectrometry
May24-Poster	ICAS11-P0071	Hirohisa Nagatani		Polarized Total-Reflection X-Ray Absorption Spectroscopy at the Liquid-Liquid Interface
May24-Poster	ICAS11-P0074	Hizuru Nakajima		A Surface Plasmon Resonance Immuno Sensor Fabricated on a Compact Disk-type Microfluidic Device
May24-Poster	ICAS11-P0080	Haruhiko Seyama		Characterization of Lead-containing Particles in House Dust Samples by XRF and XRD
May24-Poster	ICAS11-P0112	Maria Burmetieva		Preconcentration of Tocopherol Acetate for Chromatographic Determination
May24-Poster	ICAS11-P0117	Qingyang Liu		Inductively Coupled Plasma-Optical Emission Spectrometric Determination of Lead and Mercury in Pinus Pinea Needles Used as Biomonitoring in Heavy Traffic Roadside of Beijing, China
May24-Poster	ICAS11-P0122	Dennis Kumar Hore		Broadband Mid-Infrared Mueller Matrix Ellipsometry
May24-Poster	ICAS11-P0123	Yiu-Chung Wong		Determination of PAHs in Sediment Using Accurate Isotope Dilution Mass Spectrometry: Application in Proficiency Testing Programs
May24-Poster	ICAS11-P0128	Pravin Kumar Dubey		Validation of an Analytical Method for the Quantification of Zineb Residue in/on Seafoods Using GC-FPD
May24-Poster	ICAS11-P0132	Jae-Won Lim		Purity Evaluation of IZTO Nanoparticles using Glow Discharge Mass Spectrometry
May24-Poster	ICAS11-P0160	Ismail Md. Mofizur Rahman		Simultaneous Separation of Some Important Transition Metal Ions from Aqueous Solutions Using a Silica-Gel-Bonded Macrocyclic System
May24-Poster	ICAS11-P0172	Lei Zhang		Comparative Study on Excitation Phenomena in Laser Induced Plasmas with Several Plasma Gases
May24-Poster	ICAS11-P0177	Olga Kuznesova		Isotope-Ratio Mass Spectrometry (IRMS) for Investigation of Forensic Samples
May24-Poster	ICAS11-P0178	Keitaro Yoshimoto		Structural Analysis and Molecular Recognition Behavior of Bio-macromolecular/Polymer Hybrid Interface
May24-Poster	ICAS11-P0189	John Prakash		The Advantages of Unmonochromated Broad Band Excitation in the Analytical Fluorimetry of Multifluorophoric Systems
May24-Poster	ICAS11-P0190	Ashok Kumar Mishra		Comparison of Excitation Emission Matrix Fluorescence and Total Synchronous Fluorescence Spectroscopy for the Analysis of Kerosene-adulterated Diesel
May24-Poster	ICAS11-P0191	Keshav Kumar		Partial Least Square Analysis of Petrol-ethanol Blend Using Synchronous Fluorescence Spectroscopy
May24-Poster	ICAS11-P0193	Muhammad Ali Mallah		Application of Transmission Fourier Transform Infrared Spectroscopy for the Estimation of Roxithromycin in Pharmaceutical Formulation
May24-Poster	ICAS11-P0199	Naoki Funauchi		Development of Hydrothermal Flow Reactor-Microchip Electrophoresis Device for Amino Acid Analysis
May24-Poster	ICAS11-P0202	Akiharu Hioki		Research Activity of NMIJ on Development of Seawater CRMs for Nutrient Determination
May24-Poster	ICAS11-P0216	Seyed Mohammad Abedirad		Study of Gold Nanoparticle Size Effect on Chemiluminescence Dynamics of Luminol-Hydrogen peroxide
May24-Poster	ICAS11-P0217	Seyed Mohammad Abedirad		Effect of Organophosphorus Pesticides on Oscillating Chemiluminescence Reaction of Luminol-H <sub>2</sub> O <sub>2</sub> -NaOH-KSCN-CuSO <sub>4</sub> System
May24-Poster	ICAS11-P0219	Tadao Tanaka		Atmosphere XRD Measurement Technique for Iron Compound of Reduced State
May24-Poster	ICAS11-P0234	Piyanut Pinyou		Flow Injection Colorimetric Method with Gas Diffusion Separation for the Determination of Ethanol Using Acidic Ceric Nitrate as Reagent
May24-Poster	ICAS11-P0235	Masao Sugawara		An Implantable Patch Sensor for L-Glutamate in Brain Slices
May24-Poster	ICAS11-P0236	Titik Hari Ujianti		Approaching a Sample Preparation Method for XRF Analysis OF Volatile Liquid Materials (Fuel Oil) TO Determine Sulfur Content
May24-Poster	ICAS11-P0255	Maiko Muro		Study of CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> COOH/Zn <sup>2+</sup> System Using X-Ray Absorption Fine Structure and Polarization Modulation Infrared Reflection Absorption Spectroscopy
May24-Poster	ICAS11-P0258	Young Mee Jung		Investigation of Thermal Behavior of Biodegradable Poly(3-Hydroxybutyrate-co-3-Hydrohexanoate) and Poly(Ethylene Glycol) Blends
May24-Poster	ICAS11-P0270	Ryosuke Okazawa		Correlation between Detection Limit and Crystallites Number of Low Concentration of Quartz in Binary Mixtures for Powder X-ray Diffractometry
May24-Poster	ICAS11-P0271	Fumitaka Esaka		Isotope Ratio Analysis of Individual Plutonium and Mixed Uranium-Plutonium Particles with ICP-MS
May24-Poster	ICAS11-P0281	Mariko Takahashi		Characterization of Silicomolybdic Acid in Molybdate Yellow
May24-Poster	ICAS11-P0286	Yukio Yokoyama		Formation Mechanism of Stable Ionic Aggregates of Poly(oxyethylene) Dodecyl Ethers with Ferric-Thiocyanate through the Intermediary of Potassium Ion
May24-Poster	ICAS11-P0287	Chieh-Tsung Lo		The Ordering Behavior of Diblock Copolymer Containing Pendant Photosensitive Azobenzene Segments under UV Pretreatment
May24-Poster	ICAS11-P0292	Jingya Qu		Determination of Phenol and Humic Acid in Water Samples On-line by Flow-injection Chemiluminescence with Solid Phase Extraction

May24-Poster	ICAS11-P0302	Tayyebeh Madrakian	Adsorptive Removal of 4-Nitrocathecol from Aqueous Solutions by Maghemite Nanoparticles
May24-Poster	ICAS11-P0307	Rosa Erra-Balsells	Nanoparticles as Matrices for Direct UV-MALDI-MS Analysis of Neutral Carbohydrates in Plant Tissues
May24-Poster	ICAS11-P0316	Viacheslav Vershinin	Deviations from Additivity as the Source of Errors for Spectrophotometry of Unseparated Mixtures
May24-Poster	ICAS11-P0325	Tomoko Kemmei	Distribution of EDTA in the Water Area around the Mouth of the Oyabe River
May24-Poster	ICAS11-P0329	Yusuke Otagiri	Chelate Disk Preconcentration / $\gamma$ -ray Spectrometry of Short Lived Radioactive Nuclides in Rainwater
May24-Poster	ICAS11-P0332	Takashi Suganuma	Platinum Nanoflowers on Scratched Silicon Substrate that show high SALDI characteristic
May24-Poster	ICAS11-P0340	Yuko Nishimoto	VOC-Adsorption and Desorption Properties of Woodceramics
May24-Poster	ICAS11-P0347	Takeyoshi Goto	Concentrative Effects of Acids on Electronic Transition of Aqueous Solution
May24-Poster	ICAS11-P0349	Kert Martma	Studies of Lipid Peroxidation by Desorption Ionization Mass Spectrometry Techniques
May24-Poster	ICAS11-P0355	Haruka Nozue	Voltammetric Study on Induced Currents by Laser Pulse Irradiation at a Liquid/Liquid Interface
May24-Poster	ICAS11-P0356	Manabu Fujiwara	Analyses of Organic Compounds in Some Forest Soil Samples with Different Vegetation
May24-Poster	ICAS11-P0357	Manabu Fujiwara	Scientific Analysis of Ancient Tiles and Bricks Using Energy Dispersive X-Ray Fluorescence Spectroscopy
May24-Poster	ICAS11-P0358	Manabu Fujiwara	EELS Spectra of Some Lithium Compounds and their Molecular Orbital Calculations by DV-X $\alpha$
May24-Poster	ICAS11-P0359	Carlos Rodriguez-Navas Gonzalez	Study of the Volatile Organic Compounds (VOCs) in the Ambient Air of a Waste Treatment Technologies Zone in South-East Mediterranean Island (Mallorca, Spain) by TD-GC-MS
May24-Poster	ICAS11-P0360	Junpei Shindo	On Site Catalytic Colorimetric Determination for Trace Chromium(VI) in Fresh Water
May24-Poster	ICAS11-P0362	Mi-Jung Lee	Combined Use of Optical and Electron Microscopic Techniques for the Measurement of Hygroscopic Property, Chemical Composition, and Morphology of Individual Aerosol Particles
May24-Poster	ICAS11-P0373	Keisuke Watanabe	ATR Imaging for FTIR Microscopy
May24-Poster	ICAS11-P0380	Yuu Someya	Fluorescent Lifetime Probe for Solvent Microviscosity Utilizing Anilinonaphthalene Sulfonate
May24-Poster	ICAS11-P0381	Ryoei Kikuchi	Contribution of Gaseous HCl and NH <sub>3</sub> in the Air to Acidification and Neutralization of Natural and Artificial Fog
May24-Poster	ICAS11-P0387	Susumu Kawakubo	On-Site Catalytic Colorimetric Determination of Trace Manganese in Fresh Water Samples
May24-Poster	ICAS11-P0388	Vctor Cerd	Thorium Determination at Ultra-trace Levels Exploiting LOV-MSFIA Techniques
May24-Poster	ICAS11-P0389	Shihomi Tokuhara	A Polarized Raman Microspectroscopic Method to Measure Orientation of Cortical Intermediate Filaments in Human Hair
May24-Poster	ICAS11-P0392	Kaoru Ariyama	Determination of Strontium and Lead Isotope Ratios of Grains Using Single Collector ICP Mass Spectrometer, and its Applications
May24-Poster	ICAS11-P0393	Tsutomu Kurisaki	The Characterization of Light Element Ions in Aqueous Solution by Soft X-ray Absorption Spectral Measurement Apparatus using Polycapillary X-ray Optics
May24-Poster	ICAS11-P0396	Motoki Iwase	X-ray Analysis of Phosphorus-doped TiO <sub>2</sub> with Visible-light Photocatalytic Activity
May24-Poster	ICAS11-P0400	Jitlada Vichapong	Sequential Injection Analysis with Lab-on-valve for High Throughput Screening of Carbamate Insecticides
May24-Poster	ICAS11-P0408	Hideji Tanaka	Amplitude Modulated Multiplexed Flow Analysis for Simultaneous Determination
May24-Poster	ICAS11-P0412	Mohd Zahari Bin Abdullah	Multivariate Statistical and Mapping Approach to Identify Heavy Metal Sources in Mosses
May24-Poster	ICAS11-P0414	Minoru Okumura	A Simple and Rapid <i>in situ</i> Solid-Phase Extraction Using Titanium-Loaded Sorbent for the Speciation of Vanadium(IV,V) in Environmental Waters
May24-Poster	ICAS11-P0426	Shaobin Zhu	Rapid Nanoparticle Sizing via Single Particle Detection with a High-Sensitivity Flow Cytometer
May24-Poster	ICAS11-P0435	Nuntaporn Moonrungee	Sequential Injection Colorimetric System for Evaluation of Xanthine Oxidase-Inhibitory Activity of Tea Samples
May24-Poster	ICAS11-P0440	Lingling Yang	Single Mitochondria Analysis by a Laboratory-built High-Sensitive Three-channel Flow Cytometer
May24-Poster	ICAS11-P0456	Tsuyoshi Nagamatsu	Development of the Mass Spectrometer Equipped with ECRIS and its Application to the Isotopic Analysis
May24-Poster	ICAS11-P0458	Manabu Fujiwara	Extraction of Fulvic Acids from Forest Soils and their Molecular Structural Model
May24-Poster	ICAS11-P0460	Ekaterina Dedyukhina	Fluorescence of N,N-Di(2-carboxyethyl)-3,4-xylidine and Zinc Sulphate in Micellar Media
May24-Poster	ICAS11-P0466	Hiroimichi Hoshina	Two Dimensional Correlation Spectroscopy in Terahertz Frequency Region
May24-Poster	ICAS11-P0477	Akifumi Ikehata	Spectral Correction for ATR-FUV Spectra Based on Kramers-Kronig Transformation Using CTTS Band of Halide Ions
May24-Poster	ICAS11-P0478	Camelia Henriquez	Anodic Stripping Voltammetry of Heavy Metals in Seawater Using Bismuth Film Screen Printed Electrode Coupled to Multi-Syringe Flow Injection Analysis.
May24-Poster	ICAS11-P0482	Robert Krzyzanowski	Changes in VOCs Profiles Emitted by Bird Cherry Under Infestation by Bird Cherry-Oat Aphid <i>Rhopalosiphum padi</i> Infected by Entomophthoralean Fungi
May24-Poster	ICAS11-P0484	Hamid Shirkanloo	Ultra-trace arsenic Determination in River and Drinking Water Samples by Hydride Generation Atomic Absorption Spectrometry after Pre-concentration and Speciation Based on Dispersive Liquid-Liquid Microextraction with Ionic Liquids
May24-Poster	ICAS11-P0486	Tetsuya Inagaki	Difference of Cellulosic Crystalline Structure in Wood between Hydrothermal and Ageing Degradation Observed by NIR Spectroscopy and XRD
May24-Poster	ICAS11-P0494	Miho Yano	Development of a Highly Sensitive and Simultaneous Analytical Method for 20 Residual Elements in Raw and Tap Waters Using DRC-ICP/MS and a Study of the Removal Characteristics of These Elements in the Process of Water Treatment
May24-Poster	ICAS11-P0500	Shinobu Sato	Cancer Diagnosis Based on PCR-free Electrochemical Telomerase Assay
May24-Poster	ICAS11-P0505	Sayaka Morimoto	Chemical Specification of Arsenic in Glass by ICP-MS and XAFS
May24-Poster	ICAS11-P0508	Yusuke Nasu	Visualization of Protein Release from Mitochondria Using Split YFP Fragments Reconstitution

May24-Poster	ICAS11-P0519	Phouththavanh Douangphila	Recovery of Palladium Using Silica Modified Chemically with Thiapentanediamide Derivatives
May24-Poster	ICAS11-P0529	Yuki Itoh	Molecular Orientation Analysis of Langmuir-Blodgett Films by Polarized Raman Spectroscopy
May24-Poster	ICAS11-P0536	Takayuki Nakai	Hydrothermal Flow Injection Analysis (HFIA) for Platinum Group Metal Ions Using Traditional Chromogenic Reagents
May24-Poster	ICAS11-P0544	Eiji Fujimori	Evaluation of Practical Solid Phase Extraction Procedures for the Determination of Zinc at ng mL <sup>-1</sup> Level in Coastal Water by ICP-MS
May24-Poster	ICAS11-P0548	Yuta Kusama	Development of a Microscopic Apparatus for Spectroscopic Study on Plasma/Liquid Interfaces
May24-Poster	ICAS11-P0551	Takeshi Hashimoto	Spectroscopic and Electrochemical Alkali-Metal Ion Recognition by (β-Diketonato) Ruthenium Binuclear Complex Bridged by Phenylboronic Acid
May24-Poster	ICAS11-P0554	Shintarou Ichikawa	Glass Beads / X-ray Fluorescence Analysis of Earthenware Body -Sampling from Heterogeneous Japanese Earthenware-
May24-Poster	ICAS11-P0558	Akira Suzuki	Generalized Two-dimensional Correlation IR Study of Phase Transition of Water Confined in AOT Reversed Micelles
May24-Poster	ICAS11-P0567	Toshio Takayanagi	Extraction of Constituent Spectra by Multivariate Analysis of Color Reactions on Acid-base Indicators
May24-Poster	ICAS11-P0574	Sho Kikuchi	Development of Confocal Raman System with Lateral Position-controlling Fiber Probe for <i>in vivo</i> Measurement of Human Skin
May24-Poster	ICAS11-P0582	Makoto Harada	Solvated Structure Analysis of Bromide Ions on Cationic Surface Film
May24-Poster	ICAS11-P0583	Nand Lal Misra	A Txf Study to Assess the Uranium Contamination from Coal Ash in Underground Water
May24-Poster	ICAS11-P0607	Shiau Yin Su	Purge-assisted and Temperature-Controlled Headspace Solid-Phase Microextraction Coupled with Gas Chromatography-Mass Spectrometry for the Determination of Pyrethroids in Aqueous Samples
May24-Poster	ICAS11-P0612	Kazuya Katayama	<i>In Situ</i> Fluorescence Microscopic Measurements of Phase Transfers of Single DNA Molecules in Aqueous Two-Phase System
May24-Poster	ICAS11-P0625	Miao Lin	Quantification of Perfluorooctane Sulfonate in Textiles by Facile Esterification with Gas Chromatography-Mass Spectrometry
May24-Poster	ICAS11-P0626	Seiji Ito	Analysis of Short Chain Perfluorinated Compounds (PFCs) in Water by LC-MS/MS
May24-Poster	ICAS11-P0627	Hui Xiong	Characterization of Microbial Poly(ε-Lysine) and its Polymer Blends by Solid-State NMR
May24-Poster	ICAS11-P0629	Junichi Kurawaki	Spectroscopic Characterization of Self-Assembled Porphyrin-Polypeptide Nanocomposites Produced by Laser Ablation in Poor Solvents
May24-Poster	ICAS11-P0636	Benjawan Ninwong	On-line Preconcentration and Determination of Trace Heavy Metals by Anodic Stripping Voltammetry Using Screen-Printed Carbon Nanotube Electrode Coated with Bismuth Film
May24-Poster	ICAS11-P0638	Kenta Kataki	Suppression of Cadmium Accumulation into Rice by Bark Fertilizer
May24-Poster	ICAS11-P0645	Daisuke Tsuda	Extraction-Spectrophotometric Determination of Sodium Ion Using Chromogenic Ionophores with Dinitrophenol Moiety
May24-Poster	ICAS11-P0646	Shuji Shirai	Thermogravimetric-Mass Spectrometric Analysis of Electroless-Plated Microbeads by Using Gold Nanoparticle
May24-Poster	ICAS11-P0657	Yuuki Iwahana	Distributions of Radioactive Nuclides in 6 Chemical State of Incinerator Fly Ash of Municipal Solid Waste Utilizing Sequential Extractions
May24-Poster	ICAS11-P0659	Daisuke Kishimoto	Crystallinity Measurement for Cellulose I with X-ray Powder Diffractometry Using Amorphous Standard
May24-Poster	ICAS11-P0669	Nami Ikarashi	Method of Judging Deterioration of Engine Oil Using Asymmetric Membrane
May24-Poster	ICAS11-P0673	Viaa Lepane	HPLC Analysis of Chromophoric Dissolved Organic Matter in Antarctic Samples: Comparison with Microbiology Data
May24-Poster	ICAS11-P0674	Ki-Jung Paeng	The Study on the Adsorption Removal of Perchlorate Anion in Aqueous Solution by Mixed Resins
May24-Poster	ICAS11-P0675	Ki-Jung Paeng	Synthesis of Fe Nanoparticles Immobilized on Alginate Beads for Treatment of Perchlorate in Water
May24-Poster	ICAS11-P0677	Ki-Jung Paeng	Synthesis of Alginate-Polysiloxane Hybrid Compounds
May24-Poster	ICAS11-P0679	Ki-Jung Paeng	Removal of Hexavalent Chromium from Aqueous Solution by Using Iron Alginate
May24-Poster	ICAS11-P0683	Satomi Nemoto	Simple and Rapid Spectrophotometry of Boron for Waste Water
May24-Poster	ICAS11-P0688	Robert Freeman	A Simple Analytical Method for the Deformulation of Rubber used in various types of Vehicle Tires
May24-Poster	ICAS11-P0696	Yi Wang	Fabrication of Metal Nanoparticle/Graphene Oxide Hybrids for Scattering Imaging
May24-Poster	ICAS11-P0697	Xi Juan Zhao	Highly Selective Spectrofluorometry of Pyrophosphate with the Copper (II) Complex of 2,6-Bis(2-benzimidazolyl)pyridine
May24-Poster	ICAS11-P0698	Shu Jun Zhen	DNAzyme Based Selective and Sensitive Detection of Copper Ions Using Graphene Oxide as Low Background Platform
May24-Poster	ICAS11-P0700	Yuichi Iwaki	Synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles for LDI-MS and their surface functionalization with proteins
May24-Poster	ICAS11-P0705	Yusuke Morisawa	Development of Time-Dependent Attenuated Total Reflection in Far-Ultraviolet Region
May24-Poster	ICAS11-P0710	Kraingkrai Ponghong	Simultaneous Injection Effective Mixing Analysis System for Urinary Protein
May24-Poster	ICAS11-P0715	Takashi Nishii	Near-Infrared and Infrared Spectral Analysis of Alcohol Fermentation by Using Chemometrics and Two-Dimensional Correlation Spectroscopy
May24-Poster	ICAS11-P0716	Yusuke Tsunemine	Flow-Injection Method for Determination of Antimony(V) Based on Cerium(IV) - Rhodamine B Chemiluminescence Using a Reversed Micelle System of Cetyltrimethylammonium Chloride Following Extraction
May24-Poster	ICAS11-P0718	Yuya Hirokawa	X-ray Fluorescence Analysis of Valuable Metals in the Ash of Scrapping Electronic Board
May24-Poster	ICAS11-P0720	Manaka Yasunaga	Study of Concentration Dependence on Solvent Effect of <i>N</i> -methylacetamide and <i>N,N</i> -dimethylacetamide by Attenuated Total Reflection-Far Ultraviolet Spectroscopy
May24-Poster	ICAS11-P0721	Akira Hara	Variation in Water Quality with a Flowing to the Downstream in an Acidified River
May24-Poster	ICAS11-P0726	Lee Chuin Chen	High Pressure (>1 atm) Electrospray Ionization Mass Spectrometry
May24-Poster	ICAS11-P0731	Yan Xinlei	Excitation Wavelength Dependence of Resonance Raman Spectra of Styrene-Butadiene Rubber/Multiwall Carbon Nanotubes Nanocomposites

May24-Poster	ICAS11-P0733	Masayori Suwa	Simultaneous Acquisition of the Faraday Rotation and the Natural Optical Rotation Images under Pulsed Magnetic Field
May24-Poster	ICAS11-P0738	Hirota Hisatomi	Analysis of Synthetic Polymers Using a Pseudo 2D Chromatogram Integrated by LC-ESI-MS Data from Two Different Chromatographic Columns
May24-Poster	ICAS11-P0739	Manato Namekawa	Effective Proton Concentration Inside Mesoporous Silica Modified with Trimethyl Ammonium Layer
May24-Poster	ICAS11-P0740	Kazuhiro Hotta	Nanoporous Waveguide Sensor for Highly Sensitive Biosensing
May24-Poster	ICAS11-P0744	Kiyoshi Takeshima	Live Single-Cell MS for Direct Analysis of a Lipid Droplet in a Single HepG2 Cell
May24-Poster	ICAS11-P0745	Hiroyuki Arafune	Adsorption/Desorption Dynamics of an Enzyme at Mesoporous Silica Film as Studied by Nanoporous Waveguide Sensor
May24-Poster	ICAS11-P0747	Yusuke Sato	Highly Strong Binding of Small Ligand to an Abasic Site in a RNA Duplex and Its Application to MicroRNA Detection
May24-Poster	ICAS11-P0749	Miriam Unger	Crystallization Behavior of Poly(3-hydroxybutyrate) (PHB), Poly( $\epsilon$ -caprolactone) (PCL) and their Blend (50:50 wt.%) Studied by 2D FT-IR Correlation Spectroscopy
May24-Poster	ICAS11-P0750	Yukina Hirai	Exploration of Neoplastic Tumor Marker by Differential LC-MS
May24-Poster	ICAS11-P0756	Ryota Ohtani	XAFS Measurement System at Atmospheric Pressure in the Soft X-ray Region in SAGA-LS
May24-Poster	ICAS11-P0758	Toshinori Morisaku	Selective Detection of Hydration-Induced Structural Changes in Protein Secondary Structures by Vibrational Circular Dichroism Spectroscopy
May24-Poster	ICAS11-P0765	Shin Tachibana	Spectra Analysis for Liquid Alkanes in Far Ultraviolet Region; Attenuated Total Reflectance-Far Ultraviolet Spectra and Ab-initio Calculation
May24-Poster	ICAS11-P0775	Satoshi Minami	Direct Measurement of the Structure of Single Collagen Fiber by Using Surface-enhanced and Tip-enhanced Raman Scattering
May24-Poster	ICAS11-P0780	Shigeko Ozaki	Distillation Using Miniature Apparatus for FIA of Cyanide in Soils
May24-Poster	ICAS11-P0781	Kirankumar Ratila Surati	Analysis of Acyclovir in Human Plasma by LC-MS/MS Method
May24-Poster	ICAS11-P0782	Long Ze Zelong	SEM-EDX Authenticity of Leather Wallet
May24-Poster	ICAS11-P0784	Atsushi Yamamoto	Mass Spectrometry and Environmental Analysis of Neonicotinoid Pesticide
May24-Poster	ICAS11-P0788	Awadh O Alsuhaime	Fabrication of Porous Monolithic Silica Material Functionalised with 4-(2-Pyridylazo)Resorcinol and their Applications as Miniaturised SPE Columns in the Analysis of Iron from Environmental Samples
May24-Poster	ICAS11-P0794	Ke-Jun Tan	The Spectral Study of Perfluorooctane Sulfonate with Rhodamine 6G and its Analytical Application
May24-Poster	ICAS11-P0798	Suchart Kiatwattanacharoen	Analysis of Trace Elements on Airborne Particulate Matter(PM10) in Chiang Mai Lamphun Basin(Thailand) Using Synchrotron Light and PIXE.
May24-Poster	ICAS11-P0808	Mohammad Ali Karimi	Separation/Preconcentration of Hg(II) in Water Samples Using Modified Magnetite Nanoparticles Prior to Determination by Cold Vapor Atomic Absorption Spectrometry
May24-Poster	ICAS11-P0817	Yasuhiro Suzuki	Determination of Platinum in Roadside Dust Samples by Dynamic Reaction Cell-Inductively Coupled Plasma-Mass Spectroscopy with Solid Phase Extraction Technique
May24-Poster	ICAS11-P0823	Shiro Matsuoka	Specific Determination of Trace Amount of Iron in Different Oxidation States in Coastal Seawater and its Application to the Investigation on the Sea Desert
May24-Poster	ICAS11-P0826	Kazuhiko Fujiwara	Confocal Imaging of a Cellular Protein by Resonance Light Scattering of an Antibody-Tagged Gold Nanoparticle
May24-Poster	ICAS11-P0837	Jun Kikuma	Effect of Al Compound on Hydrothermal Synthesis of Tobermorite Studied by <i>In Situ</i> Time-Resolved X-ray Diffraction
May24-Poster	ICAS11-P0838	Osaka Issey	Separation and Detection of Ca <sup>2+</sup> -binding calmodulin complexes with peptide using LC-FTMS
May24-Poster	ICAS11-P0842	Kentarō Misawa	Quantification Analysis of VOCs and PAHs using Laser Ionization Methods
May24-Poster	ICAS11-P0850	Takashi Fujita	Study of Fragmentation Process of Neutral Sugar Chain in Laser Desorption/Ionization on Titania Surface
May24-Poster	ICAS11-P0858	Maria Borissova	Sample Plate Modification for Improvement of Sensitivity in Analysis of Small Molecules by MALDI-MS
May24-Poster	ICAS11-P0865	Hiroshi Nishioka	XANES Speciation of Lead in the Lead-accumulating Pteridophyte <i>Blechnum niponicum</i> Measured by Synchrotron Radiation Micro X-ray Fluorescence
May24-Poster	ICAS11-P0866	Yasutada Suzuki	Development of a Portable Tristimulus Colorimeter Using a Semiconductor Color Sensor and a White-Color Light-Emitting Diode
May24-Poster	ICAS11-P0867	Hikaru Kobori	Hyperspectral Imaging for Monitoring the Water Content in Wood
May24-Poster	ICAS11-P0880	Takahisa Tsugoshi	Polymer Characterization using Skimmer Interface-Connected [TG/DTA]/[Ion Attachment Ionization-TOFMS]
May24-Poster	ICAS11-P0887	Mikhail Alekseevich Proskumin	Application of Transient Photothermal Spectroscopy for Trace Determination and Characterization of Size Parameters
May24-Poster	ICAS11-P0888	Lin Meng Han	Monitoring Gold Nanoparticles in Biological Medium by Push-pull Perfusion Sampling and Online In-tube Solid Phase Extraction Using a PTFE Tubing Hyphenated with ICP-MS
May24-Poster	ICAS11-P0889	Mikhail Alekseevich Proskumin	Combined Optoacoustic and Photothermal Determination of Lowly and Highly Absorbing Samples
May24-Poster	ICAS11-P0895	Ari Chong	Visualization of the Infarcted Tissues Using Engineered Bacteria
May24-Poster	ICAS11-P0901	Vu Hong Nguyen	<i>In vivo</i> Delivery of Apoptosis Inducing Peptides by using Attenuated <i>Salmonella typhimurium</i> to Suppress Tumors
May24-Poster	ICAS11-P0905	Shinsuke Kunimura	Recent Development of Portable Total Reflection X-Ray Fluorescence Spectrometer
May24-Poster	ICAS11-P0906	Yasuyuki Tanaka	Determination of Palladium in Environmental Samples by Graphite Furnace Atomic Absorption Spectrometry after Preconcentration with Biosorption
May24-Poster	ICAS11-P0909	Atsushi Manaka	Development of Simple Separation and Determination for Analysis of Impurity in Gypsum
May24-Poster	ICAS11-P0911	Kohei Shibamoto	Detection Behavior of Resonantly-excited Adsorbed Molecules on Gold Nanoparticle Surface in Two-laser Desorption Ionization Mass Spectrometry
May24-Poster	ICAS11-P0916	Kazuto Sazawa	Development of Rapid and Simple Evaluation Method for Enzyme activity in soil Based on hydrodynamic voltammetry
May24-Poster	ICAS11-P0917	Kazuhisa Yoshimura	History of Acid Deposition on Iriomote Is., the Ryukyus, Extracted from Sulfur Stable Isotope Ratios in Tree Rings and Sulfate Concentration in a Stalagmite
May24-Poster	ICAS11-P0925	Ai Ito	X-ray Fluorescence Analysis of Soluble Heavy Metals from Soils and Polluted Soils

May24-Poster	ICAS11-P0927	Kamlesh Shrivastava	Tatiana Thin Film for Imaging of Biomolecules in Mouse Brain Tissue Section
May24-Poster	ICAS11-P0946	Takasaki Fumiyuki	Extended X-ray Absorption Fine Structure Analysis of Zirconium(IV) Chloride Solutions
May24-Poster	ICAS11-P0948	Yasuji Muramatsu	Chemical Analysis of Mechanically-Ground Hexagonal Boron Nitride (h-BN) using Soft X-Ray Absorption Spectroscopy
May24-Poster	ICAS11-P0949	Koki Motoyama	Selection of Fluorescent Dyes for Observing Single Genome DNA for a Long Time
May24-Poster	ICAS11-P0958	Miyo Yoshida	Scientific Analysis of Woolen Jinbaori (Military Campaign Coat) in the Collection of Ichinomiya City Museum, Japan
May24-Poster	ICAS11-P0970	Kate Grudpan	Rapid Assay of Bone Alkaline Phosphatase in Osteosarcoma with Flow Injection-Bead Injection System
May24-Poster	ICAS11-P0977	Pavel V. Yakimovich	Determination of Phosphorus in High-Temperature Alloy by Quadrupole Inductively Coupled Plasma Mass Spectrometry
May24-Poster	ICAS11-P0979	Yoko Kobayashi	New Application of Near Infrared Qualitative Analysis
May24-Poster	ICAS11-P0989	Vctor Cerd	Study on the Content of Metals in Sediments from the Beach of Palma de Mallorca, Spain
May24-Poster	ICAS11-P0992	Hosup Jung	Rapid Detection of Antibiotic Chemicals in a Microfluidic Device Using Functional Lipid Vesicle Coated on Micro-beads
May24-Poster	ICAS11-P0995	Mingjian Zou	The Fluorescence Anisotropy for Quantitative Determination of Lysozyme Based on FAM-tagged DNA Aptamer
May24-Poster	ICAS11-P1004	Nicolas Spegazzini	Fast and Sensitive Detection of Melanin by Surface-Enhanced Raman Scattering
May24-Poster	ICAS11-P1022	Mohd. Nur-E-Alam Siddique	Air Quality of Bangladesh-An Overview in Dhaka City
May24-Poster	ICAS11-P1037	Alireza Zarei	Development of Cloud Point Extraction Technique for Preconcentration and Spectrophotometric Determination of Phenol in Environmental Waters
May24-Poster	ICAS11-P1038	Shehla Abid	Removal of Direct Blue Dye from Industrial Waste Water Using Lemon Peel Waste
May24-Poster	ICAS11-P1041	Cheng Hock Chuah	Rapid and Direct Quantitative Analysis of Positional Fatty Acids in Triacylglycerols on Natural Occurring Oils and Fats
May24-Poster	ICAS11-P1050	Yoshimu Iwanami	Study on Loaded Metals on Hydrodesulfurization Catalysts Regenerated at Various Temperatures
May24-Poster	ICAS11-P1067	Maria Ines Gameiro Sa Almeida	Development of a Membrane-Based Passive Sampler for the Monitoring of Ammonia
May24-Poster	ICAS11-P1076	Akifumi Eguchi	Optimization of Analytical Method for Octa-, Nona- and Deca-brominated Diphenyl Ethers Using Gas Chromatography- Quadrupole Mass Spectrometry and Isotope Dilution
May24-Poster	ICAS11-P1084	Hisashi Shimizu	Concentration Determination in Extended-Nano Space Using Differential Interference Contrast Thermal Lens Microscope and Application to Immunoassay
May24-Poster	ICAS11-P1108	Takashi Nakazawa	Micro-XRF Analysis in Helium Atmosphere
May24-Poster	ICAS11-P1114	Akira Kotani	Determination of Chlordiazepoxide by HPLC with Electrochemical Detection Based on the Oxidation of Vanillyl Mandelic Acid
May24-Poster	ICAS11-P1130	Feng Zhang	Low-frequency Dynamic of ATP and its Related Compounds Studied by Terahertz Time-domain Spectroscopy
May24-Poster	ICAS11-P1144	Alvin Karlo Garcia Tapia	Charge Carrier Dynamics of Crystalline Solid State Materials using Pulsed Terahertz Spectroscopy
May24-Poster	ICAS11-P1147	Yoshinari Abe	Archaeometric Investigations of Cobalt-Blue Colorants in Ancient Middle East by Using a Portable X-Ray Fluorescence Spectrometer
May24-Poster	ICAS11-P1160	Kei Masuyama	Sensitive Fluorescence Determination of NBD-tryptophan Enantiomers Using a Semimicro-chiral HPLC System Coupled with an Electrochemical Reactor
May24-Poster	ICAS11-P1161	Tomoko Oki	Addressing Tributyltin Legislation for Inland Waters using LVI GC-ICP-HR-MS
May24-Poster	ICAS11-P1164	Tomoko Oki	The Jet Interface Dramatic Sensitivity Increase of Sector Field ICP-MS
May24-Poster	ICAS11-P1183	Suh-Jen Jane Tsai	Determination of Bile Acids in Biological Samples by Liquid Chromatography / Electrospray Ionization - Ion Trap Mass Spectrometry
May24-Poster	ICAS11-P1186	Amel Al-Rashdan	Fast Extraction and Analysis of Polycyclic Aromatic Hydrocarbons, Organochlorinated Pesticides and Polychlorinated Biphenyls in Environmental Marine Samples Using Advanced Automated PLE and Power <sup>prep</sup> Clean-up System
May24-Poster	ICAS11-P1195	Yitao Long	Fabrication of an Ag Nanoparticles Modified Multiwell Hydrogel for Surface-Enhanced Raman Spectroscopy
May24-Poster	ICAS11-P1216	Tze Han Lim	Membrane-protected Sorbents in Micro-Solid Phase Extraction ( $\mu$ -SPE) of Pharmaceutical Contaminants in Environmental Waters

Wednesday, May25 Poster Presentation

Start	Number	Submission ID	Presenter	Presentation Title
May25-Poster	ICAS11-P0004	Shan-Yang Lin	Lin	Thermal FT-IR Microspectroscopy Quickly Detects Solid-state Ion-exchange Reaction between Metoclopramide HCl Hydrate and Potassium Bromide
May25-Poster	ICAS11-P0014	Ming-Ren Fuh		Rapid Quantitative Analysis of Benzodiazepines and Metabolites in Human Urine by Rapid Resolution Liquid Chromatography-Tandem Mass Spectrometry
May25-Poster	ICAS11-P0023	Toshiaki Asakai		Precise Coulometric Titration of Cerium(IV) Sulfate Tetrahydrate as an Oxidizing Agent
May25-Poster	ICAS11-P0031	Naoya Osaku		Sensitive Detection of OH Radical by Mediated Bioelectrocatalysis
May25-Poster	ICAS11-P0033	Toshio Nakamura		Electrochemical Biosensors in Nonaqueous Solutions and their Application
May25-Poster	ICAS11-P0035	Masaya Kawase		State Analysis of Medicine by Terahertz Absorption Spectroscopy
May25-Poster	ICAS11-P0040	Hsiang Ping Hsu		Studies on Differentiation of the Origin of Urinary Morphine and Codeine by GC-IRMS
May25-Poster	ICAS11-P0041	Tatsuya Ueda		Ion Transfer Voltammetry of Tryptamine, Serotonin, and Tryptophan at the Nitrobenzene/Water Interface
May25-Poster	ICAS11-P0046	Hongbin Yu		Separation Process of L-tryptophane in Flotation Complexation Extraction
May25-Poster	ICAS11-P0047	Hongbin Yu		Separation and Concentration of L-tryptophane by Flotation Complexation Extraction
May25-Poster	ICAS11-P0052	Manas Pal		Cobalt-Salen Incorporated MCM-41: An Efficient Electrocatalyst for Oxygen Reduction.
May25-Poster	ICAS11-P0063	Yuko Ueno		Immunochemical Measurement of Cortisol Levels in Non-pretreated Saliva
May25-Poster	ICAS11-P0065	Kazuhiko Takeda		Determination of Photochemical Formation of Nitric Oxide in Seawater and Air-Sea Exchange in the Seto-Inland Sea
May25-Poster	ICAS11-P0066	Yulia Dykhal		Isoelectrofocusing and SDS-PAGE Electrophoresis Analysis as a Tool for Determination Doping with Recombinant Erythropoietin.
May25-Poster	ICAS11-P0072	Minemasa Hida		Discrimination Analysis of Adhesive Cloth Tapes by Using Scanned Digital Images
May25-Poster	ICAS11-P0079	Xiao Zhang		Direct Determination of Scandium and Yttrium in Plastic Samples by Inductively Coupled Plasma Atomic Emission Spectrometry with Sample Cuvette - Tungsten Boat Furnace Vaporizer
May25-Poster	ICAS11-P0087	Nao Kamakura		Determination of Cr(III)(acac) <sub>3</sub> , Cr(III) and Cr(VI) in Water with Solid-Phase Extraction/Atomic Absorption Spectrometric Analysis
May25-Poster	ICAS11-P0100	Insook Rhee	Paeng	Development of Competitive Enzyme-Linked Aptamer Assay for a Sensitive and Selective Determination of Dopamine in Human Serum
May25-Poster	ICAS11-P0101	Sohee Jeong		Enzyme-Linked Aptamer Assay: the Determination of Antibiotics-Tetracycline Residue in Food
May25-Poster	ICAS11-P0103	Cheanyeh Cheng		Fluorimetric Detection and Ultraviolet Detection Coupled Two-dimensional High-performance Liquid Chromatography for Simultaneous Analysis of Amino Acid Enantiomers and Aspartame in Thermally Hydrolyzed <i>Coca Cola Zero</i>
May25-Poster	ICAS11-P0109	Nataliya Gavrilenko		Optical Sensitive Membranes on the Base of Polymethacrylate Matrix with Immobilized Reagents
May25-Poster	ICAS11-P0110	Nataliya Gavrilenko		Silver Optical Sensor Based on Dithizone Immobilized in Polymethacrylate Matrix
May25-Poster	ICAS11-P0138	Li Jia		Tetrabutylammonium Phosphate-Assisted Separation of Multiplex PCR Products in Non-Gel Sieving Capillary Electrophoresis
May25-Poster	ICAS11-P0140	Chanpen Karuwan		Multi-Electrochemical Miniaturized Cell System with Integrated Carbon Nanotube Electrodes for Multi-Analyte Detections
May25-Poster	ICAS11-P0146	Xuping Sun		Rectangular Coordination Polymer Nanoplates for Highly Selective, Multiplexed Nucleic Acid Detection
May25-Poster	ICAS11-P0150	Kazuharu Sugawara		Electrochemical Assay of Concanavalin A-Ovalbumin Binding Using Magnetic Beads
May25-Poster	ICAS11-P0165	Hideaki Minami		Direct Determination of a Trace Element in a Solid Sample by ICP-AES with Separate Sampling and Excitation Accessory (SSEA)
May25-Poster	ICAS11-P0175	Takuya Shimosaka		Standard Gas for Zeroing Signal of Analytical Instruments; Theoretical Consideration and Experimental Results
May25-Poster	ICAS11-P0181	Wei-Lung Tseng		Colorimetric Assay for Cyanide and Cyanogenic Glycoside Using Polysorbate 40-Stabilized Gold Nanoparticles
May25-Poster	ICAS11-P0183	Yen-Hsiu Lin		Selective Detection of Coralynne Using an Oligonucleotide-based Fluorogenic Probe
May25-Poster	ICAS11-P0195	Seiya Tsujimura		Coulometric Biosensors Insensitive to Interferences
May25-Poster	ICAS11-P0200	Yuki Yagi		Application of Partial Filling Lectins and Glycosidases in Capillary Electrophoresis to the Characterization of Glycans from Therapeutic Antibody
May25-Poster	ICAS11-P0207	Yoji Shimazaki		Production of Immunoaffinity Membranes to Capture Specific Proteins
May25-Poster	ICAS11-P0212	Sung Bae Kim		Integrated-Molecule-Format Multicolor Probes for Illuminating Intracellular Molecular Events
May25-Poster	ICAS11-P0213	Mehdi Rajabi		DNA interaction studies of Morin, Apigenin, and Naringin using UV and Fourier Transform Infrared Spectroscopy
May25-Poster	ICAS11-P0220	Tomoharu Minami		Sectional Distribution of Dissolved Bioactive Trace Metals along 170°W in the Antarctic-Equatorial Pacific Oceans
May25-Poster	ICAS11-P0223	Takashi Masadome		Determination of Polyhexamethylene Biguanide Hydrochloride Using a Photometric Titration with Crystal Violet as a Color Indicator
May25-Poster	ICAS11-P0224	Takashi Masadome		Optode for Anionic Surfactants Based on a Lactone-Form Rhodamine B Membrane
May25-Poster	ICAS11-P0225	Takashi Masadome		Optode for Cationic Surfactants Based on Tetrabromophenolphthalein Ethyl Ester Membrane
May25-Poster	ICAS11-P0246	Luke Whiley		Plasma Biomarkers in Alzheimer's Disease: A Metabonomic Approach
May25-Poster	ICAS11-P0253	A.K.M. Kafi		Monitoring Interactions between G-Protein-Coupled Receptors and $\beta$ -arrestin Using Split Click Beetle Luciferase Complementation
May25-Poster	ICAS11-P0262	Munetaka Oyama		Gold Nanoparticles Space-Modified Electrodes for Improving Electron Transfer Reactions
May25-Poster	ICAS11-P0265	Hui Qu		Electrochemistry with Ice as Matrix
May25-Poster	ICAS11-P0267	Munetaka Oyama		Effects of Gold Nano-Seed Particles on the Improvement of Electron Transfer Reactions

May25-Poster	ICAS11-P0268	Jun Ito	Highly Sensitive Microscale Electrophoresis of Cationic Analytes Using Large-volume Sample Stacking with Electroosmotic Flow Pump
May25-Poster	ICAS11-P0285	Masumi Ueda	Toward 10,000-fold Sensitivity Enhancement for Oligosaccharide Analysis in Capillary Electrophoresis
May25-Poster	ICAS11-P0288	Masato Watanabe	Hydrophilic Interaction Capillary Electrochromatography of Oligosaccharides in Poly(vinyl alcohol)-coated Capillary
May25-Poster	ICAS11-P0290	Kazuki Ohuchi	Specific Molecular Recognition of Sialic Acid by Reactions with Residual Coordination Sites of Lanthanide-Macrocyclic Polyazacarboxylate Complexes in Aqueous Solution
May25-Poster	ICAS11-P0303	Yuko Kitamaki	Reference Materials for the Accurate Determination of Sulfur in Liquid Fuels and its Intended Use
May25-Poster	ICAS11-P0309	Robert Krzyzanowski	Application of HS-SPME/GC-(EI)MS for Analysis of Volatile Compounds of <i>Juglans regia</i>
May25-Poster	ICAS11-P0311	Toshio Takayanagi	Ion-association Analysis of Tetraphenylborate Ions by Capillary Zone Electrophoresis
May25-Poster	ICAS11-P0313	Wataru Yasukochi	Ammonia Gas Detection Based on the Optical Property of Porphyrin Nano-thin Films
May25-Poster	ICAS11-P0322	Mitsuru Abo	Aluminum Stress Suppressed an Extracellular Reactive Oxygen Species from Soybean Roots
May25-Poster	ICAS11-P0333	Kazuki Nakanishi	Structural Approaches to Improved Performance of Monolithic Silica HPLC Columns
May25-Poster	ICAS11-P0334	Kiichi Sato	Development of a Micro Cardiovascular System for Bioassay of Anticancer Activity and Renal Clearance
May25-Poster	ICAS11-P0337	Mitsuhiro Wada	Determination of Methamphetamine and its Related Compounds in Hair and Meconium Samples
May25-Poster	ICAS11-P0339	Makoto Sakaue	Measurement of Standard Entropy Changes of Ion Transfer for Various Ions by Thermal Modulation Voltammetry at a Liquid/Liquid Interface
May25-Poster	ICAS11-P0341	Yuko Nishimoto	The Interaction of Amino acid with Hypochlous acid and their Bactericidal Effects
May25-Poster	ICAS11-P0343	Chih-Ching Huang	Colorimetric Detection of Heavy Metal Ions using Label-Free Gold Nanoparticles and Alkanethiols
May25-Poster	ICAS11-P0344	Yuko Nishimoto	Interaction of Hydrophilic Polymer and Water Containing Salt
May25-Poster	ICAS11-P0348	Preeyaporn Reanpang	Pencil Lead Working Electrode Amperometric Detection for Enzyme Peroxidase Based ELISA
May25-Poster	ICAS11-P0363	Hitoshi Mizuguchi	On-Line Determination Method for Metallic Impurities in Alkaline Solutions by Anodic Stripping Voltammetry Using a Microporous Membrane Electrode
May25-Poster	ICAS11-P0371	Patrcia Dantoni	Assessment of Certain Metallic Ions in Mineral Oil within the Peroxyoxalate Chemiluminescent Reaction
May25-Poster	ICAS11-P0375	Takahiro Sakikawa	Production of Enzyme Reactor Regulating its Activity
May25-Poster	ICAS11-P0376	Ko Takehara	Inhibition of the Bioluminescence of Bacterial Luciferase by General Anesthetics
May25-Poster	ICAS11-P0384	Saeko Kinami	Highly Sensitive Microchip Electrophoresis of Proteins by LVSEP
May25-Poster	ICAS11-P0391	Shingo Koyama	Speciation Analysis of Rare Earth Elements (REEs) in Fresh Water of Kanda River and Sea Water of Tokyo Bay
May25-Poster	ICAS11-P0394	Yasuhiro Suzuki	Forensic Discrimination of Cigarette and Cigarette Ash by the Analysis of Trace Elements Using ICP-MS
May25-Poster	ICAS11-P0402	Huong Thi Dieu Vu	Distribution and Behaviors of Bioactive Trace Metals in the Western North Pacific Ocean
May25-Poster	ICAS11-P0403	Changkug Kim	Computational Identification of Seed-specific Transcription Factors involved in Anthocyanin Production in Dissociation Insertion Rice
May25-Poster	ICAS11-P0404	Atsuki Morisaki	On-chip Bioluminescence Assay of ATP in Three-Dimensional Microfluidic Network and its Application to Measurement of Kinase Activity
May25-Poster	ICAS11-P0413	Jia-Hui Lin	Colorimetric Assay for S-Adenosylhomocysteine Hydrolase Activity and Inhibition Using Fluorosurfactant-Capped Gold Nanoparticles
May25-Poster	ICAS11-P0427	Valrie Guieu	Small Molecule Detection Using Structure-Switching Aptasensors
May25-Poster	ICAS11-P0429	Ayumi Mimori	Analytical Survey of Spatial and Vertical Distribution of Inorganic Components in Deep Ocean Water
May25-Poster	ICAS11-P0436	Satoshi Kawaguchi	Infrared spectral analysis of the mechanical stress on polymer materials
May25-Poster	ICAS11-P0437	Yasmeen Gaber Abou El-Reash	Separation and Preconcentration of Trace Amounts of Cu(II) and Zn(II) Ions from Environmental Samples by Modified Magnetic Chitosan Chelating Resin and their Determination Using ICP-OES
May25-Poster	ICAS11-P0438	Zhi-Yuan Gu	Metal-Organic Frameworks as New Media for Analytical Separation
May25-Poster	ICAS11-P0439	Risa Kusumoto	Label-Free Electrophoretic Analysis of Sugars Using Complexation with Aryl Boronic Acids
May25-Poster	ICAS11-P0444	Hiroshi Koino	Transient Trapping in Enantioseparation for High-Sensitive Detection.
May25-Poster	ICAS11-P0446	Shunsuke Haga	2D Spatiotemporal Visualization System of Breath Ethanol for Real-Time Analysis of Alcohol Metabolism
May25-Poster	ICAS11-P0447	Toshifumi Yamashita	A High-Sensitive Fiber-Optic Biosensor for Indoor Formaldehyde Monitoring
May25-Poster	ICAS11-P0448	Mirai Shimamura	Bio-hybrid Fluorescent Probe for Cellular Imaging utilizing Functional Polymer
May25-Poster	ICAS11-P0452	Kohdai Hatayama	Active Pressure System Based on Chemo-Mechanical Energy Conversion using Enzyme Reaction
May25-Poster	ICAS11-P0455	Yoshitaka Hiranuma	Biocompatible Contact-Lens Type Glucose Sensor on the Eye Site
May25-Poster	ICAS11-P0457	Takumi Kajiro	A Flexible Sheet-Type Alcohol Sensor Using Biocompatible Polymers
May25-Poster	ICAS11-P0459	Farhan Ahmed Siddiqui	Determination of Mebeverine in Bulk Drug and Pharmaceutical Formulations Using Multivariate Calibration Technique
May25-Poster	ICAS11-P0461	Kensei Kobayashi	Strategy for the Analysis of Organic Compounds in Space Dusts Captured in Space (The Tanpopo Mission)
May25-Poster	ICAS11-P0462	Irina Vlasova	Analysis of Unseparated Multicomponent Medicines by Means of Various Chemometric Algorithm
May25-Poster	ICAS11-P0468	Muhammad Nawaz Khan	A Reversed Phase Liquid Chromatographic Method for the Determination of Cefpirome from Dosage Form and Application to Interaction Studies

May25-Poster	ICAS11-P0473	Abigail Parcasio Cid	Distributions of Bioactive Trace Metals in the Eastern Bering Sea
May25-Poster	ICAS11-P0475	Olga Evdokimova	Development of Pretreatment Technique of Rhenium-containing Metallurgical Products for AES ICP Rhenium Determination
May25-Poster	ICAS11-P0489	Bunji Hashimoto	Stable Determination of Silicon in Hydrofluoric Acid by Inductively Coupled Plasma Atomic Emission Spectrometry
May25-Poster	ICAS11-P0493	Bunji Hashimoto	Determination of Indium in electronic scrap by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)
May25-Poster	ICAS11-P0497	Shintaro Kubota	Electrochemical Evaluation of Voltage-Gated Potassium Channel KAT1
May25-Poster	ICAS11-P0520	Junpei Kamimoto	Detection of Intracellular Protein Kinases Activity using Non-fouling Peptide Array
May25-Poster	ICAS11-P0525	Hideki Wakayama	Design and Synthesis of Polymerizable Fluorescent Enzyme Substrate for Use in Hydrogel-based Bioassay
May25-Poster	ICAS11-P0526	Masaki Takeuchi	Development of Ratiometric Bioluminescence Indicators for Detecting Cyclic AMP in Living Cells and Animals
May25-Poster	ICAS11-P0527	Kazuhiro Norisuye	Development of a Simple and High-Sensitive Analytical Method for Determination of Bismuth in Seawater
May25-Poster	ICAS11-P0530	Shotaro Nakamura	A Two-electrode Type Thin-layer Cell for the Ion Transfer at the Liquid - Liquid Interface and its Application to Absolute Determination Method
May25-Poster	ICAS11-P0535	Tomoaki Sakamoto	Vibrational Spectroscopic Analysis of Pharmaceuticals and Tablet Processes Understanding using Near-, Mid-, and Far-Infrared / Terahertz Spectroscopy
May25-Poster	ICAS11-P0537	Yuto Nogawa	Reagent-release Capillary-based Isoelectric Focusing for Simple and Highly-sensitive Enzyme Activity Assay
May25-Poster	ICAS11-P0545	Hajime Miyaguchi	Segmental Analysis of a Single Strand of Human Hair by Liquid Chromatography/Linear Ion Trap-Orbitrap Mass Spectrometry
May25-Poster	ICAS11-P0547	Yusuke Kimura	Capillary-based Biosensor towards the Development of Multi Analyte Sensing Device
May25-Poster	ICAS11-P0553	Toru Takahashi	A novel multi-target SNP detection method Based on the capillary electrophoresis separation technique for single base substituted single-stranded DNA
May25-Poster	ICAS11-P0556	Jun Matsuoka	High-precision <sup>11</sup> B/ <sup>10</sup> B analysis Using Positive Thermal Ionization Mass Spectrometry and Multiple Collector ICP Mass Spectrometry
May25-Poster	ICAS11-P0562	Masaaki Noami	Forensic Discrimination of Pepper Spray by Gas Chromatography-Mass Spectrometry, Liquid Chromatography-Mass Spectrometry and Fluorescence X-ray Analysis
May25-Poster	ICAS11-P0565	Mieko Kanamori-Kataoka	Forensic Methodology for Plant Toxin Ricin
May25-Poster	ICAS11-P0568	Kenji Sueyoshi	Trangent Trapping in Bioanalysis for High-Sensitive Detection. 3
May25-Poster	ICAS11-P0573	Hikaru Satou	Real Time Monitoring and Determination of Trace Elements in Airborne Particulates (PM2.5)
May25-Poster	ICAS11-P0577	Daisuke Furukawa	Liquid Chromatography-Electrospray Ionization Mass Spectrometric Method for Simultaneous Analysis of Acyl-CoA Homologues in Biological Tissues
May25-Poster	ICAS11-P0584	Jun Yamamoto	Determination of Ultra-Trace Noble Metals(Pd,Pt and Au)in Seawater Using Chelating Resin-Solid Phase Extraction and High-Resolution ICP-MS
May25-Poster	ICAS11-P0585	Ryo Kato	Sensing of Hydrophilic Anions on Organo-Silica Thin Film Using Optical Waveguide Spectroscopy
May25-Poster	ICAS11-P0593	Kohei Yamanaka	Regional Distribution of Major Chemical Component in the Yodo River System
May25-Poster	ICAS11-P0594	Atsushi Sakamoto	Distribution of Dissolved Bioactive Trace Metals in the Japan Sea
May25-Poster	ICAS11-P0595	Harumi Tsukada	DNA Point Mutation Assay by Affinity Capillary Zone Electrophoresis Using Poly(ethylene glycol)-DNA Block Copolymers
May25-Poster	ICAS11-P0599	Akira Nishiuchi	Biogenic Selenium and Biogenic Silica in the Japan Sea
May25-Poster	ICAS11-P0600	Yeou-Lih Huang	An Automated On-Line Microdialysis/HPLC System for Simultaneous Determination of Melamine and Cyanuric Acid in Coffee Creamer
May25-Poster	ICAS11-P0605	Tatsuya Sakai	Differences of Distribution and Dynamic Pathwy of Selenium Species in Mice Injected with <sup>82</sup> Se-Enriched Selenite and <sup>82</sup> Se-Enriched Selenomethionine
May25-Poster	ICAS11-P0606	Pilar Flores	Determination of Organic Acids in Fruits and Vegetables by Liquid Chromatography with Tandem-Mass Spectrometry
May25-Poster	ICAS11-P0617	Jos Fenoll	High Performance Liquid Chromatography Tandem Mass Spectrometry for the Analysis of Herbicides in Water
May25-Poster	ICAS11-P0618	Ruri Kikura-Hanajiri	Rapid Extraction Methods for Methylphenidate and its Ethanol Transesterification Metabolite, Ethylphenidate in Hair Samples by Ultrasound-Assisted Enzymatic Hydrolysis
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