

# 1<sup>st</sup> Asian Symposium on Analytical Sciences Program (17-19/Sept/2014)

## 17<sup>th</sup> (Wed) Morning

**9:25-9:30 Opening Address** Norio TERAMAE, President of JSAC (寺前紀夫, 会長)

Chair : Koji SUZUKI (鈴木孝治)

**9:30-10:10 Plenary Lecture** Yun-Bao JIANG, Xiamen Univ. (江 云宝, 厦門大学)

*Chiral Sensing using Aggregates of Achiral Dyes*

Chair : Naoya NISHI (西 直哉)

**10:10-10:40 Keynote Lecture** Aijun TONG, Tsinghua Univ. (童 愛軍, 清華大学)

*Aggregate Induced Emission and Photoisomerization for Chemical Sensing*

**10:40-11:05 Invited Lecture** Moritoshi SATO, The Univ. of Tokyo (佐藤守俊, 東京大学)

*New Prospect for Bioanalytical Chemistry*

Chair : Akihide HIBARA (火原彰秀)

**11:05-11:30 Invited Lecture** Singo SAITO, Kazuki Hirose, Keitaro Yoshimoto, Masami Shibukawa, Saitama Univ. (齋藤伸吾, 埼玉大学) *Selection of DNA Aptamer for Bacterial Cell using Polymer-enhanced Capillary Transient*

*Isotachopheresis*

**11:30-11:55 Invited Lecture** Naoya NISHI, Kyoto Univ. (西 直哉, 京都大学)

*Structure Analysis of the Ionic Liquid Interfaces using Interface-selective Spectroscopies*

## 17<sup>th</sup> (Wed) Afternoon

Chair : Katsumi UCHIYAMA (内山一美)

**13:00-13:40 Plenary Lecture** Jin-Ming LIN, Tsinghua Univ. (林 金明, 清華大学)

*Generation of Droplets of Liquid for Mass Spectrometry*

Chair : Shigeru WATANABE (渡辺 茂)

**13:40-14:05 Invited Lecture** Akihide HIBARA, Tokyo Institute of Technology (火原彰秀, 東京工業大学)

*Micro/Nanoscale Liquid Operations and Analytical Sciences*

**14:05-14:30 Invited Lecture** Keitaro YOSHIMOTO, The Univ. of Tokyo (吉本敬太郎, 東京大学) *Cell-based*

*Analysis and Cell Diagnostics using Polymer Chemistry*

*Break*

Chair : Takeshi HASEGAWA (長谷川 健)

**14:50-15:30 Plenary Lecture** Luhei LU, Changchun Institute of Applied Chemistry, CAS (逸乐慧, 中国科学院・長春応用化学研究所) *Design of Spectroscopy-based Probes for In Vivo Imaging*

**15:30-16:00 Keynote Lecture** Satoshi TSUKAHARA, Osaka Univ. (塚原 聡, 大阪大学)

*Surface Tension Determination through Microscope Measurements of Resonance Oscillation of Small Liquid Surface Using Periodic External Forces*

Chair : Satoshi TSUKAHARA (塚原 聡)

**16:00-16:30 Keynote Lecture** Shigeru WATANABE, Kochi Univ. (渡辺 茂, 高知大学)

*Sensitive and Selective Optical Nanosensors Based on Gold Nanoparticles*

**16:30-17:00 Keynote Lecture** Takeshi HASEGAWA, Kyoto Univ. (長谷川 健, 京都大学)

**18<sup>th</sup> (Thu) Morning**

Chair : Osamu NIWA (丹羽 修)

**09:30-10:10 Plenary Lecture** Lanqun MAO, Institute of Chemistry, CAS (毛 蘭群, 中国科学院·化学研究所) *In Vivo Electrochemistry, How Far We Can Go?*

Chair : Xing-Zheng WU (吳 行正)

**10:10-10:40 Keynote Lecture** Yang TIAN, East China Normal Univ. (田 陽, 華東師範大学) *Bioimaging and Biosensing of Reactive Oxygen Species and Beyond*

**10:40-11:10 Keynote Lecture** Masaharu NAKAYAMA, Ayu SATO, Megumi SATO, Yamaguchi Univ. (中山雅晴, 山口大学) *Effective and Selective Sorption of Iodide by an Electrodeposited Film of Organo-Manganese Oxide*

Chair : Masaharu NAKAYAMA (中山雅晴)

**11:10-11:35 Invited Lecture** Hirosuke TATSUMI, Shinshu Univ. (巽 広輔, 信州大学) *Sensitive Electrochemical Measurement of Hydroxyl Radical Generation Induced by the Xanthine-Xanthine Oxidase System*

**11:35-12:00 Invited Lecture** Kazuhiko FUJIWARA, Nobuaki OGAWA, Akita Univ. (藤原一彦, 秋田大学) *Localized Surface Plasmon Resonance Sensor with Light Scattering Detection for Label-free Biomolecule Sensing*

**19<sup>th</sup>(Fri) Morning**

Chair : Toshio TAKAYANAGI (高柳俊夫)

**09:30-10:00 Keynote Lecture** Lihua ZHANG, Dalian Institute of Chemical Physics, CAS (張 麗華, 中国科学院·大連化学物理研究所) *Mass Defect-based Pseudo-isobaric Labeling Methods for Proteome Quantification*

Chair : Kazuma MAWATARI (馬渡和真)

**10:00-10:25 Invited Lecture** Shinya KITAGAWA, Tomohiko HIRANO, Hajime OHTANI, Nagoya Institute of Technology (北川慎也, 名古屋工業大学) *Development of Highly Efficient Polymer Monolithic Column with Low Flow Resistance for HPLC*

**10:25-10:50 Invited Lecture** Yukihiro ESAKA, Gifu Pharmaceutical Univ. (江坂幸宏, 岐阜薬科大学) *Development of CE Focussing-ESI-MS Methods for Highly Sensitive Detection of Damaged Nucleotides*

Chair : Shinya KITAGAWA (北川慎也)

**10:50-11:20 Keynote Lecture** Toshio TAKAYANAGI, The University of Tokushima (高柳俊夫, 徳島大学) *Equilibrium Analysis by Capillary Zone Electrophoresis - Its Characteristics and Advantages*

**11:20-11:55 Invited Lecture** Kazuma MAWATARI and Takehiko KITAMORI, The Univ. of Tokyo (馬渡和真, 東京大学) *Development of Functional Analytical Devices Utilizing Micro/extended-nanoFluidics*

**11:55-12:00 Closing Address** Katsumi UCHIYAMA, Vice President of JSAC (内山一美, 副会長)

1<sup>st</sup> ASAS Time Table, 第1回アジア分析科学シンポジウムタイムテーブル

2014.9.17 午前

Time	9:25~30	9:30~10:10	10:10~10:40	10:40~11:05	11:05~11:30	11:30~11:55
Event	Opening Address	Plenary Lecture	Keynote Lecture	Invited Lecture	Invited Lecture	Invited Lecture
Speaker	Norio Teramae 寺前紀夫	Yun-Bao Jiang 江 云宝	Aijyun Tong 童 愛軍	Moritoshi Sato 佐藤守俊	Shingo Saito 斎藤伸吾	NaoyaNichi 西 直哉
Chair	-	Koji Suzuki 鈴木孝治	Naoya Nishi 西 直哉	←	Akihide Hibara 火原彰秀	←

2014.9.17 午後

Time	13:00~13:40	13:40~14:05	14:05~14:30	14:30~14:50	14:50~15:30	15:30~16:00	16:00~16:30	16:30~17:00
Event	Plenary Lecture	Invited Lecture	Invited Lecture	Break	Plenary Lecture	Keynote Lecture	Keynote Lecture	Keynote Lecture
Speaker	J-M. Lin 林 金明	Akihide Hibara 火原彰秀	Keitaro Yoshimoto 吉本敬太郎		Luhei Lu 逸 乐慧	Satoshi Tsukahara 塚原 聡	Shigeru Watanabe 渡辺 茂	Takeshi Hasegawa 長谷川 健
Chair	Katsumi Uchiyama 内山一美	Shigeru Watanabe 渡辺 茂	←		Takeshi Hasegawa 長谷川 健	←	Satoshi Tsukahara 塚原 聡	←

2014.9.18 午前

Time	9:30~10:10	10:10~10:40	10:40~11:10	11:10~11:35	11:35~12:00
Event	Plenary Lecture	Keynote Lecture	Keynote Lecture	Invited Lecture	Invited Lecture
Speaker	Lanqun MAO 毛 蘭群	Yang TIAN 田 陽	Masaharu Nakayama 中山雅晴	HirosukeTatsumi 巽 広輔	Kazuhiko Hujiwara 藤原一彦
Chair	Osamu Niwa 丹羽 修	Xingzeng Wu 呉 行正	←	Masaharu Nakayama 中山雅晴	←

2014.9.19 午前

Time	9:30~10:00	10:00~10:25	10:25~10:50	10:50~11:20	11:20~11:55	11:55~12:00
Event	Keynote Lecture	Invited Lecture	Invited Lecture	Keynote Lecture	Invited Lecture	Closing Address
Speaker	Lihua Zhang 張 麗華	Shinya Kitagawa 北川慎也	Yukihiro Esaka 江坂幸宏	Toshio Takayanagi 高柳俊夫	KazumaMawatari 馬渡和真	Katsumi Uchiyama 内山一美
Chair	Toshio Takayanagi 高柳俊夫	KazumaMawatari 馬渡和真	←	Shinya Kitagawa 北川慎也	←	