

Analytical Chemistry

Sep. 8th, 2023

Room H

Chaired by Seiichi Nishizawa (Tohoku Univ.) and Yoshitaka Takagai (Fukushima Univ.)

Sep. 8th (Fri.)

10:00 – 10:35 Chaired by Yoshitaka Takagai (Fukushima University)

08H1 ○Willie L. Hinze (Wake Forest University, USA)

“Utilization of Surfactant & Micellar Media in Chemical Analysis & Separation Science: Opportunities & Challenges”

10:35 – 11:10 Chaired by Seiichi Nishizawa (Tohoku University)

08H2 Yue Zheng, Yiwen Ding, Yu Xiang, ○Aijun Tong (Tsinghua University, China)

“Fluorescent Probes for Lipid Order Changes and Selective Fluorescent Labeling of Plasmalogens in Human Plasma Lipids”

11:20 – 11:55 Chaired by Tomoyuki Oe (Tohoku University)

08H3 ○Yasushi Ishihama (Kyoto University, Japan)

“Challenges toward high-speed, high-sensitivity and in-depth analysis of the human proteome”

13:00 – 13:10 Chaired by Nobuhiko Iki (Tohoku University)

08H4 ○Fumihiko Kitagawa (Hirosaki University, Japan)

“Highly sensitive microchip electrophoresis by combining two on-line sample preconcentration techniques, LDIS and FASI”

13:10 – 13:30 Chaired by Nobuhiko Iki (Tohoku University)

08H5 ○Masafumi Odaka, Hirotohi Matsumura, Aya Kiriake, Nobuaki Ogawa
(Akita University, Japan)

“Introduction of Bio-analytical and Bio-Structural chemistry laboratory in Akita University”

13:20 – 13:30 Chaired by Nobuhiko Iki (Tohoku University)

08H6 ○Toshio Kamijo (National Institute of Technology, Tsuruoka college, Japan)

“Development of functional materials using ionic liquids”

13:30 – 13:40 Chaired by Nobuhiko Iki (Tohoku University)

08H7 ○Tetsuji Itoh (National Institute of Advanced Industrial Science and Technology, Japan)

“High-resolution protein observation utilizing carbon materials: advancement and device application.”

13:40 – 13:50 Chaired by Nobuhiko Iki (Tohoku University)

08H8 ○Tsutomu Fujimura (Tohoku Medical and Pharmaceutical University, Japan)
“Exploring biomarkers for urothelial carcinoma”

13:50 – 14:00 Chaired by Nobuhiko Iki (Tohoku University)

08H9 ○Mika Tada (Tohoku Institute of Technology, Japan)
“Analytical Chemistry related to Investigating Oxidative damages and Antioxidants”

14:10 – 14:20 Chaired by Hitoshi Shiku (Tohoku University)

08H10 ○Masatoshi Endo, Maho Ishiyama, Erina Satake, Atsushi Sasaki, Shigekazu Yano
(Yamagata University, Japan)
“Inactivation Effect for Virus of Hypochlorous Acid Solution Containing Nitrogen
Compounds”

14:20 – 14:30 Chaired by Hitoshi Shiku (Tohoku University)

08H11 ○Tomoyuki Oe (Tohoku University, Japan)
“Introduction to our research”

14:30 – 14:40 Chaired by Hitoshi Shiku (Tohoku University)

08H12 ○Shogo Kumagai, Atsushi Watanabe, Chuichi Watanabe, Norio Teramae, Toshiaki Yoshioka
(Tohoku University / Frontier Laboratories, Japan)
“Application of tandem μ -reactor-gas chromatograph system for the development
of pyrolysis processes for chemical feedstock recovery from plastics”

14:40 – 14:50 Chaired by Hitoshi Shiku (Tohoku University)

08H13 ○Takeshi Kato (National Institute of Technology, Fukushima College, Japan)
“Effective heavy metals analysis by fusion of droplet and hand-held X-ray
fluorescence spectrometer”

14:50 – 15:00 Chaired by Hitoshi Shiku (Tohoku University)

08H14 ○Yoshitaka Takagai (Fukushima University, Japan)
“Mass-spectrometric analysis of radionuclides in environment”