4th Asian Symposium for Analytical Sciences (ASAS)

September 12-13, 2017

Room A106, Tohoku University Kwauchi-kita Campus, Sendai 980-0862, Japan

---

時間割 ASAS(1 日目)、**Sept 12 (Wednesday)**

1300-1340 (40) Plenary Lecture #1: Lehui Lu, Yanlan Liu, Chunhuan Jiang, Yan Chen, and Kelong Ai (State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, University of Science and Technology of China)

Dopamine-Melanin Nanoparticle for In Vivo Biomedical Applications

1340-1405 Hitoshi Mizuguchi (Department of Applied Chemistry, Graduate School of Science and Technology, Tokushima University)

Highly efficient electrolysis with track-etched microporous membrane electrodes and its applications in flow analysis

1405-1430 Dai Kato (Biomedical Research Institute, National Institute of Advanced Industrial Science and Technology)

Design of sputtered nanocarbon film-based electrodes with extended analyte zones

●1430-1450 (BREAK) 休憩

1450-1530 (40) Plenary Lecture #2: Jin-Ming Lin (Department of Chemistry, Tsinghua University)

Droplet generation for cell analysis on microfluidic and mass Spectrometry

1530-1555 Weifei Zhang[1,2], Daisuke Koga[1], Jin-Ming Lin[2], Katsumi Uchiyama[1]([1] Department of Applied Chemistry, Graduate School of Urban Environmental Science, Tokyo Metropolitan University; [2]Tsinghua University)

Inkjet Printing Based Droplet Generation for Integrated Online Digital Polymerase Chain Reaction

1555-1620 Hiroaki Suzuki (Dept. Precision Mechanics, Faculty of Science and Engineering, Chuo University)

Giant Liposome-based Dynamic Bioreactor

1620-1645 Takehiko Tsukahara, Kaname Saga, and Ki Chul Park (Laboratory for Advanced Nuclear Energy, Tokyo institute of technology)

Development of On-Chip Photonic Crystal Polymer for Radionuclide Sensing

1645-1705 Javier Ramón-Azcón, Xiomara Fernández-Garibay, Ferran Velasco-Mallorquí, Alejandro Hernández, Albert G. Castaño, María A. Ortega (Institute for Bioengineering of Catalonia (IBEC), The Barcelona Institute of Science and Technology)

Diabetes Approach by Multi-Organ-on-a-Chip

時間割 ASAS(2 日目)、**Sept 13 (Thursday)**

930-955 Kosuke Ino, Hitoshi Shiku (Graduate School of Engineering, Tohoku University)

Electrochemical devices for evaluation of three-dimensional cultured cells

955-1020 Hiroshi Shiigi, Dung Q. Nguyen, Xueling Shan, Kengo Ishiki (Graduate School of Engineering, Osaka Prefecture

University)

Nano- and micrometer-sized space for bioanalysis and biosensing

1020-1045 Toshiaki Hattori[1] and Ryo Kato[2]([1] Department of Electrical & Electronic Information Engineering; [2] Cooperative Research Facility Center,)

Development of Ca^{2+}-releasing electrochemical device

1045-1110 Tomoyuki Yasukawa, Fumio Mizutani, Masato Suzuki (Graduate School of Material Science, University of Hyogo)

Rapid formation of cell arrays and collection of single target cells based on dielectrophoretic manipulation

1110-1150 (40) Plenary Lecture #3: Hsien-Chang Chang (Department of Biomedical Engineering, National Cheng Kung University)

Development of Microfluidic Dielectrophoresis Chips for Rapid Direct Detection of Microorganism