

Recent Advance in Analytical Science
- MICHINOKU Symposium on Analytical Sciences -
Sep.28, 2013
Room D

Chaired by Kazuaki Wagatsuma (Tohoku Univ.) and Nobuaki Ogawa (Akita Univ.)

Sep. 28 (Sat.)

9:00 – 12:00 Chaired by Nobuaki Ogawa

- 28D1 Robert M. Corn (University of California-Irvine, USA)
 “Ultrasensitive SPRI Detection of DNA, RNA and Proteins with Surface Enzyme
 Chemistries and Nanoparticles”
- 28D2 Jin-Ming Lin (Tsinghua University, China)
 “Cell Analysis on Microfluidic Device Combined with Mass Spectrometer”
- 28D3 Koji Muramoto (Tohoku University, Japan)
 “Lectins as Carbohydrate Recognition Molecules”
- 28D4 Seiichi Nishizawa (Tohoku University, Japan)
 “Design and Synthesis of DNA- and RNA-binding Ligands for Analytical
 Applications”

13:00 – 15:30 Chaired by Kazuaki Wagatsuma

- 28D5 Fumihiko Kitagawa (Hirosaki University, Japan)
 “Microscale Electrophoresis of Biomolecules using Large-volume Sample
 Stacking with an Electroosmotic Flow Pump”
- 28D6 Kazuhiko Fujiwara (Akita University, Japan)
 “Localized Surface Plasmon Resonance Sensor with Light Scattering Detection
 for Label-free Biomolecule Sensing”
- 28D7 Yoshitaka Takagai (Fukushima University, Japan)
 “Additive Effects on Size Recognition in the Nonionic Surfactant Mediated
 Extraction of Silver Nanoparticles”
- 28D8 Hitoshi Mizuguchi (Yamagata University, Japan)
 “Amperometric Flows Sensors Fabricated Using Track-etched Microporous
 Membrane Electrodes”