

# C-5 Microfluidics, Nanofluidics, and MicroTAS

## **Representative Organizer**

Yoshinobu BABA (Nagoya University)

## **Co-organizers**

Takuya KUBO (Kyoto University)

Manabu TOKESHI (Hokkaido University)

Akihide HIBARA (Tokyo Institute of Technology)

Kazuma MAWATARI (The University of Tokyo)

Hisataka MARUYAMA (Nagoya University)

Yuzuru TAKAMURA (Japan Advanced Institute of Science and Technology)

Noritada KAJI (Nagoya University)

Takao YASUI (Nagoya University)

Poster Session                      March 30 (Mon.)                      11:15 ~ 12:30

- 11:15 C5-P-01    **InP/ZnS-Dopamine Functionalised Quantum Dots as Fluorescence Probes for Adenosine Detection in Microfluidic Chip**  
Seshadri Reddy Ankireddy, Jong Sung Kim  
*DEPARTMENT OF CHEMICAL AND BIO ENGINEERING, GACHON UNIVERSITY*
- 11:15 C5-P-02    **Miniaturized LC Device Using Monolithic Materials**  
Takuya Kubo, Akihiro Kunisawa, Toyohiro Naito, Koji Otsuka  
*DEPARTMENT OF MATERIAL CHEMISTRY, GRADUATE SCHOOL OF ENGINEERING, KYOTO UNIVERSITY*
- 11:15 C5-P-03    **Real Time Replication and Detection of dsDNA in a Microfluidic Device**  
Min-Sheng Hung, Chia-Chin Ho  
*DEPARTMENT OF BIOMECHATRONIC ENGINEERING, NATIONAL CHIAYI UNIVERSITY*
- 11:15 C5-P-04    **Electric-Driving Micro-Channel Fabricated on PET Substrate**  
<sup>1</sup>Tsang-Yen Hsieh, <sup>2,3</sup>Pi-Chun Juan, <sup>1,3</sup>Jyh-Liang Wang  
*1 DEPARTMENT OF ELECTRONIC ENGINEERING, MING CHI UNIVERSITY OF TECHNOLOGY*  
*2 DEPARTMENT OF MATERIALS ENGINEERING*  
*3 CENTER FOR THIN FILM TECHNOLOGIES AND APPLICATIONS, MING CHI UNIVERSITY OF TECHNOLOGY*
- 11:15 C5-P-05    **Simultaneous Detection of Multiple Disease Markers Using Immuno-Wall Devices**  
<sup>1,2</sup>Nanako Nishiwaki, <sup>2,3</sup>Toshihiro Kasama, <sup>4</sup>Akihiko Ishida, <sup>4</sup>Hirofumi Tani, <sup>2,3</sup>Yoshinobu Baba, <sup>2,4</sup>Manabu Tokeshi  
*1 GRADUATE SCHOOL OF CHEMICAL SCIENCE AND ENGINEERING, HOKKAIDO UNIVERSITY*  
*2 THE PRIORITY RESEARCH PROJECT, "THE KNOWLEDGE HUB " OF AICHI*  
*3 DEPARTMENT OF APPLIED CHEMISTRY, NAGOYA UNIVERSITY*  
*4 DIVISION OF BIOTECHNOLOGY AND MACROMOLECULAR CHEMISTRY, FACTORY OF ENGINEERING, HOKKAIDO UNIVERSITY*