2nd Japan-Korea International Symposium on Cyborgnics: Integration between cell and electronics

Date: 2017/9/22

Poster session presentation list (Japanese side)

Name	Affiliation	Title
Takaya Kuroda	Keio University	Thermo-responsive gel actuator driven by infrared light
Hideo Miyahara	Keio University	Temperature-responsive janus hydrogel microparticles by centrifuge-based microfluidic device
Kenta Niibe	Keio University	Stimuli-responsive hydrogel sensor device for biochemical sensing
Shunsuke Nakajima	Keio University	Stimuli-responsive bundled microfiber with inner alignment
Yuta Kurashina	Keio University	Cell detachment using acoustic radiation pressure exposed by ultrasonic transducer
Kazuhiro Kobayashi	Keio University	Microfluidic-based water/air droplets-train reflective display
Moe Hiratani	Tokyo University of Agriculture and Technology	MicroRNA pattern recognition for cholangiocarcinoma using barcode-like DNA and biological nanopore
Naoki Saigo	Tokyo University of Agriculture and Technology	Do pore-forming activities of antimicrobial peptides connect to the biological evolution?
Masaki Matsushita	Tokyo University of Agriculture and Technology	Investigation of Hofmeister effect in nanospace using nanopore and DNA as a probe
Keisuke Shimizu	Tokyo University of Agriculture and Technology	Design of pore-forming β -sheet peptides in lipid bilayer
Natsumi Takai	Tokyo University of Agriculture and Technology	Characteristics comparison of biological and solid-state nanopores for a single molecule detection
Zirui Gao	Tokyo Institute of Technology	DNA transportation with micro-fluidic based dielectrophoretic system
Misato Tsuchiya	Tokyo Institute of Technology	Evaluation of mechanical stability of microdroplet-based DNA molecular robots
Risa Watanabe	Tokyo Institute of Technology	Construction of artificial cell nuclei with RNA transcription capability using a microdroplet interface
Marcos K. Masukawa	Tokyo Institute	Surfactant role on microbead manipulation by saw-tooth

	of Technology	electrode
Yu Kasahara	Tokyo Institute of Technology	Analyses of DNA unit dependence of artificial cell nuclei formed by phase separation on microdroplet interface
Hiroki Watanabe	Tokyo Institute of Technology	Automata that generates minimum consciousness using DNA logic circuits in artificial cells
Tetsuro Sakamoto	Tokyo Institute of Technology	Numerical simulations of DNA fractal microstructure formation on spherical surface based on cluster-cluster aggregation
Chikako Kurokawa	Tokyo University of Agriculture and Technology	Liposome stabilized with cytoskeleton of DNA gel
Shogo Fujiwara	Tokyo University of Agriculture and Technology	Hexagonal packing of cell-sized lipid droplets using microfluidic device