Poster Session (17:00-18:45 on 16 March)

P-01 " Improvement of Noise Properties in Incubation-type Planar Patch Clamp Biosensor by Using Salt Bridge Electrodes "
Hidetaka Uno (Nagoya Univ., Japan)

P-02 " Development of a Multichannel Neural Network Device-Toward a High Integration and High Throughput- "
Koji Kusumoto (Nagoya Univ., Japan)

P-03 " Positioning of the Sensor Cell on the Sensing Area Using Cell Trapping Pattern in Incubation Type Planar Patch Clamp Biosensor "
Zhi-Hong Wang (Nagoya Univ., Japan)

P-04 " Incubation Type Planar Patch Clamp Biosensor with PMMA Substrate for Ion Channel Current Measurement "
Obuliraj Senthil Kumar (Nagoya Univ., Japan)

P-05 " Formation of neuronal networks in vitro and analysis of their network activity "
Miho Goto (the Univ. of Tokyo, Japan)

P-06 " Evaluation of Photoluminescent and Photocatalytic Properties of Zinc Oxide and Silica-coated Zinc Oxide Particles "
Hideki Hashimoto (Shimane Univ., Japan)

P-07 " Preparation of Antibody Conjugated Silica-coated Zinc Oxide Nanoparticles "
Keisuke Yoshikiyo (Shimane Univ., Japan)

P-08 " Preparation and Evaluation of Zinc Oxide Nanoparticle Dispersions for Oral Administration in Mice "
Miki Tongu (Shimane Univ., Japan)
P-09  "Dependence of Fluorescence Properties on the Thickness of Shell Layer for Silica Coated ZnO Nanoparticles"
Yuki Deguchi (Shimane Univ., Japan)

P-10  "The enhancement in DNA detection sensitivity with ZnO nanoparticles"
Yutaka Fukui (Shimane Univ., Japan)

P-11  "Nano-imaging of respiratory cilia with light and electron microscopy"
Hironori Ueno (Tohoku Univ., Japan)

P-12  "CT Imaging of Tumor with Silica-Coated Au Nanoparticle"
Tomohiko Nakagawa (Tohoku Univ., Japan)

P-13  "New in vivo Molecular Imaging Technique for Clarification of Angiogenesis Mechanism"
Yoh Hamada (Tohoku Univ., Japan)

P-14  "Effect of surface functional groups on adsorption of cell adhesive proteins and cell adhesion using self-assembled monolayers"
Yusuke Arima (Kyoto Univ., Japan)

P-15  "Surface-Enhanced ATR FTIR Difference Spectroscopy from a Halorhodopsin Monolayer on Gold: Dependence of Spectral Features on Film Properties"
Hao Guo (IMS, Japan)

P-16  "Stepwise conformational changes upon anion pumping during the pharaonis halorhodopsin photocycle revealed by H/D unexchangeable amide-A vibrations."
Tetsunari Kimura (IMS, Japan)

P-17  "Attempts to Utilize Giant Liposomes as Artificial Cell Models with Membrane Proteins"
Kanta Tsumoto (Mie Univ., Japan)
P-18 "Prototype of a surface plasmon field-enhanced fluorescence spectroscopy apparatus with a condensed optical system"
Mitsuaki Toda (Kansai Univ., Japan)

P-19" Fluorometric imaging of an intercellular potassium ion using a DNA-peptide conjugate "
Shigeori Takenaka (Kyushu Inst. Tech., Japan)

P-20 "Chronocoulometric telomerase assay"
Shinobu Sato (Kyushu Inst. Tech., Japan)

P-21 "The effect of Zinc Oxide nanoparticles on human skin fibroblast cells"
Tatsuyuki Yamamoto (Shimane Univ., Japan)

P-22 "The utilization of cyclodextrin as a molecular capsule to carry Coenzyme Q10 in the cell of fission yeasts"
Tatsuro Nishida (Shimane Univ., Japan)

P-23 "Cytocompatible cell encapsulation matrix “Cell-Container” for advanced cell engineering"
Tomohiro Konno (the Univ. of Tokyo, Japan)

P-24 "Direct Evaluation of Interaction Force between Proteins and Polymer Brush Surfaces with Well-characterized Hydration State"
Yuuki Inoue (the Univ. of Tokyo, Japan)

P-25 "Polyamine-lipid/DNA Complex as a Gene Carrier: Morphological Observation and Its Function"
Takehisa Dewa (Nagoya Inst. Tech., Japan)

P-26 "Bilayer Formation Properties of Peptide-based Gemini Surfactants"
Toshihisa Mizuno (Nagoya Inst. Tech., Japan)

P-27 "Direct micromachining of polydimethylsiloxane using laser plasma soft X-rays"
Shuichi Torii (Tsukuba Univ., Japan)