Organized by Kyushu Institute of Technology, Kyushu Dental College, & Fukuoka Industry, Science & Technology Foundation

## The Fourth Japan-Korea Joint Symposium on Bio-microsensing Technology New Trend of Chemistry-based Biotechnology

Date: 28 October, 2011 Venue: Tobata Campus, Room C-1A Kyushu Institute of Technology (Kyutech), Kitakyushu, Japan



Analytical Sensing of Metal Ions Based on Molecular Switching

Hasuck Kim, Department of Energy Systems, DGIST

# 4<sup>th</sup>JKBT

Chairman: Prof. Shigeori Takenaka, Director of the Research Center for Bio-microsensing Technology (RCBT), Kyushu Institute of Technology (Kyutech) Email: shige@che.kyutech.ac.jp



Selective Labeling of Cell Proteins Using a New Peptide Tag-Probe Pair

**Akio Ojida,** Pharmaceutical Science, Kyushu Univ.



Microfluidic Devices and Electrochemical Biosensors for Medical Trace Analyses

**Yoon-Bo Shim,** Department of Chemistry & Institute of BioPhysio Sensor Technology (IBST), Pusan National Univ.



Development of Biosensors Using an Aptamer Probe and a DNAzyme

Changill Ban,



Haesik Yang,

Redox cycling in biosensors



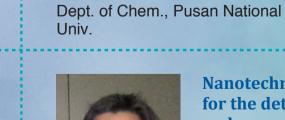
Quorum Quenching Quandary: Resistance to Antivirulence Compounds

Toshinari Maeda,

#### Dept. of Chem., POSTech

Graphene-based biosensors

### **Kyuwon Kim,** Dept. of Chem., Univ. of Incheon



Nanotechnology for the detection and prognosis of disease stage: Protein quantification for clinicalapproach

Min-Ho Lee, Medical IT Research Center, KETI

#### Kyutech



Development of an *in vivo* screening system for radiosensitizers and antioxidants using a chick embryo model

Yoshihiro Uto,

Dept. Life System, Inst. of Tech. &Sci., Univ. of Tokushima