

# The Fifth Japan-Korea Joint Symposium on Bio-microsensing Technology Future Technology in Medical & Dental Areas

**Date: 26 October, 2012**

**Venue: Tobata Campus, Room C-1A**

**Kyushu Institute of Technology (Kyutech), Kitakyushu, Japan**



**Analyte Signal Amplification  
Strategies for Electrochemistry-  
based Biomicrosensing**

**I-Ming Hsing**

Division of Biomedical Engineering,  
The Hong Kong Univ. of Sci. & Tech.



**Cell Function Analysis and  
Control by Cell Surface-  
Anchored Aptamers**

**Sando Shinsuke**

Inamori Frontier Research Center,  
Kyushu Univ.



**Electrochemical biosensors for  
cancer cell detection based on  
conductive polymers and  
nanoparticle composites**

**Yoon-Bo Shim**

Chem. & Inst. of BioPhysio Sensor  
Technology (IBST),  
Pusan National Univ.



**Revealing of the mismatched DNA  
repairing mechanism using a single  
molecule detection system (prism-  
type total internal reflection  
fluorescence microscope)**

**Changill Ban**

Dept. Chem., Pohang Univ. of Sci. & Tech.  
(POSTECH)



**Electrochemical-  
chemical-  
redox cycling for  
ultrasensitive  
immunosensors**

**Haesik Yang**

Dept. of Chem.,  
Pusan National Univ.



**How does protein  
sense each  
other in  
water?**

**Sihyun Ham**

Sookmyung Women's  
Univ.



**Electro-  
chemical  
biosensing of  
clinical urine  
samples  
containing  
hyperglycemia**

**Min-Ho Lee**

Medical IT Research  
Center (KETI)



**Regulation of  
taste bud cells  
by  
transcription  
factors**

**Yuji Seta**

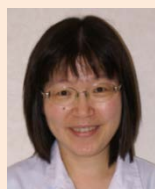
Kyushu Dental College



**Three-  
dimensional  
structural  
analysis of  
biomolecules  
and their  
architecture**

**Takuo Yasunaga**

Fac. of Computer Sci. & Sys.  
Eng., Kyutech



**Self-  
assembling  
Peptides as  
Biomaterials**

**Iori Maeda**

Fac. of Computer Sci. & Sys.  
Eng., Kyutech



**Micro-  
hole array  
devices for  
cell analyses**

**Takashi Yasuda**

Graduate School of Life  
Sci. & Sys. Eng., Kyutech



**Electrochemical  
molecular  
beacon for DNA  
duplex in  
homogenous  
solution**

**Shinobu Sato**

Fac. of Eng., Kyutech

Chairman: Prof. Shigeori Takenaka

Director of the Research Center for Bio-microsensing Technology (RCBT), Kyushu Institute of Technology (Kyutech)

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