

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-
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

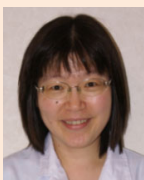
Kyushu Dental College



**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



**Microhole
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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