

[MA2] A. Biosensors (Biorecognition & Diagnostics) -2	
Session Date	November 9 (Mon.), 2026
Session Time	14:40-16:05
Session Room	Room A (Conference Room 517)
Session Chair(s)	Prof. Masato Suzuki (University of Hyogo), Prof. Jose H. Bergantin (University of Santo Tomas)

[MA2-1] [Invited] 14:40-15:05

Self-Assembled Interfaces Using Biomolecular Receptors for Detection and Visualization of Low-Molecular-Weight Substances

Takeshi Onodera
Kyushu University, Japan

[MA2-2] 15:05-15:20

Cannabinoid Receptor-Based Surface Acoustic Wave Sensor for Synthetic Cannabinoids Detection

Li Sin WONG, Yanran XIA, Xiaojing ZHANG, Hongyang GUO, Ping WANG, and Liujing ZHUANG
Zhejiang University, China

[MA2-3] 15:20-15:35

Enhanced Lead Ion Detection Using Molecular Sieve-Functionalized DNA Linkers in BioFETs via Temperature Profile

Guan-Cheng Zeng, Ching-Yao Lan, She Yi-Te, and Yu-Lin Wang
National Tsing Hua University, Taiwan

[MA2-4] 15:35-15:50

A MBene-Based Electrochemical Aptasensor for Label-Free Detection of EpCAM-Overexpressing Cancer Cells

Min Li, Dongxin Liang, Miaomiao Wang, Yuqi Chen, Liping Du, Qiling Li, and Chunsheng Wu
Xi'an Jiaotong University, China

[MA2-5] 15:50-16:05

Advancing BNCT Precision Medicine Through AI-Enhanced Aptamer Discovery and High-Sensitivity FET Biosensing of BPA

Yi-Fang Wu, Yi-Te She, and Yu-Lin Wang
National Tsing Hua University, Taiwan