

[MA1] A. Biosensors (Biorecognition & Diagnostics) - 1	
Session Date	November 9 (Mon.), 2026
Session Time	13:00-14:20
Session Room	Room A (Conference Room 517)
Session Chair(s)	Prof. Takeshi Onodera (Kyushu University)

[MA1-1] [Invited] **13:00-13:25**

An EIS Biosensing Platform Using Co-Immobilized, Indigenous, Target-Specific Bacteriophages for Dual-Pathogen Detection

Jasmine Claire D. Abarca, Christine Hazel M. Balanag, Sean Patrick J. Cruz, Kathrina Andrea M. Dobles, Claire Layne Y. Tenedero, Destine Gill D. Yam, Mark Dominic A. Casais, Donna May D. Papa, and Jose H. Bergantin Jr.

University of Santo Tomas, Philippines

[MA1-2] [Invited] **13:25-13:50**

A Microwell-Based 3D Electrorotation Platform for High-Throughput, Label-Free Single-Cell Analysis

Masato Suzuki, Ichiha Miya, Megumi Bando, Yushi Isozaki, and Tomoyuki Yasukawa

University of Hyogo, Japan

[MA1-3] **13:50-14:05**

Electrochemical Detection of Viable Bacteria Using Galvanic Current based on Hydrogen Sulfide Production

Hiroaki Sakamoto¹, Momoka Nakai¹, Fitrah Basimah Binti Zulfikri¹, and Michiyo Nakatsu²

¹University of Fukui, Japan, ²Industrial Technology Center of Fukui Prefecture, Japan

[MA1-4] **14:05-14:20**

AI-Assisted Magnetic-Bead Counting in a Microfluidic Digital ELISA Platform

Jun-Kyu Choi, Eunyoung Jeong, and Jiyeong Mun

Small Machines Co., Ltd., Korea