[TA1] A. Biosensors (Biorecognition & Diagnostics)-3

Session Date	November 10 (Tue.), 2026
Session Time	10:40-12:05
Session Room	Room A (Conference Room 517)
Session Chairs	Dr. Yusuke Fuchiwaki (National Institute of Advanced Industrial Science and Technology), Prof. Ping Wang (Zhejiang University)

[TA1-1] [Invited] **10:40-11:05**

From Bench to Bedside: Electrochemical Biosensors for Rapid Alzheimer's Disease Screening

Shang-Chi Chien[1] and Jung-Chih Chen[1,2]

[1]National Yang Ming Chiao Tung University, Taiwan, [2]Catholic Mercy Medical Foundation, Taiwan

[TA1-2] **11:05-11:20**

Progress in AI-Supported Resonant-Based Bio-Sensing Technologies

Chii-Wann Lin[1,2,3]

[1]National Health Research Institutes, Taiwan, [2]National Taiwan University, Taiwan, [3]University of Tsukuba, Japan

[TA1-3] **11:20-11:35**

Nanohole Array-Enhanced Localized Surface Plasmon Resonance Biosensor for Highly Sensitive Detection of Cyfra21-1 in Saliva

Xinwei Guo, Guangqing Ren, Ping Wang, and Hao Wan

Zhejiang University, China

[TA1-4] **11:35-11:50**

A Nanopore Biosensor Based on Insect MhOR1 Olfactory Receptor for the Sensitive Detection of Odorant Molecules

Yanzhen He, Yao Ma, Miaomiao Wang, Yuqi Chen, Liping Du, and Chunsheng Wu

Xi'an Jiaotong University, China

[TA1-5] **11:50-12:05**

Target-Regulated AuNP Nanozyme Activity via PolyA-Triblock Aptamer for Colorimetric Interferon-γ Detection

Hsuan Lu and Chia-Chen Chang

Chang Gung University, Taiwan