

[MD2] D. Biosensors (Integrated & Wearable Systems)-2	
Session Date	November 9 (Mon.), 2026
Session Time	14:40-15:50
Session Room	Room D (Conference Room 519)
Session Chair(s)	Prof. Hao Wan (Zhejiang University), Prof. Tomoyuki Yasukawa (University of Hyogo)

[MD2-1] [Invited] 14:40-15:05

Integration of Preconcentration Chip with the Field Effect Transistor (FET) Biosensor for Biomarker Detection

Yu-Chuan Chang¹, I-Lin Tsai², Chun-Jen Huang², Yi-Chiung Hsu³, Horm-Jiunn Sheen¹, Kuang-Chong Wu¹, and Yu-Jui Fan⁴

¹National Taiwan University, Taiwan, ²Taipei Medical University, Taiwan, ³National Central University, Taiwan,

⁴National Yang Ming Chiao Tung University, Taiwan

[MD2-2] 15:05-15:20

Tumor Microenvironment-Activated Zn//MnO₂ Battery for Sustained and Local Electrochemical Immunotherapy

Xiaoran Ding, Xiaoteng Jia, and Geyu Lu

Jilin University, China

[MD2-3] 15:20-15:35

Wristband-Type Multi-Parameter Intelligent Sweat Monitoring System for Chronic Management of Hyperuricemia

Yuzi Zeng¹, Xinwei Guo¹, Hao Wan¹, and Ivana Murković Steinberg²

¹Zhejiang University, China, ²University of Zagreb, Croatia

[MD2-4] 15:35-15:50

A Unique 3D-2D Integrated Microelectrode Microfluidic Platform Enabling Dynamic Electrical Signal Monitoring of Taste Organoids

Yuqi Chen, Miaomiao Wang, Zhiyao Wang, Liping Du, and Chunsheng Wu

Xi'an Jiaotong University, China