[MD1] D. Biosensors (Integrated & Wearable Systems)-1	
Session Date	November 09 (Mon.), 2026
Session Time	13:00-14:10
Session Room	Room D (Conference Room 519)
Session Chairs	Prof. Yu-Jui Fan (National Yang Ming Chiao Tung University), Prof. Chih-Chia Huang (National Cheng Kung University)

[MD1-1] [Invited] **13:00-13:25**

Micro/nano Biosensing Technologies towards Point-of-Care Testing and In-Vitro Drug Evaluation

Hao Wan

Zhejiang University, China

[MD1-2] **13:25-13:40**

Synergistic Mechano-Electric Coupling Enables Contraction-Guided Wound Healing

Xuenan Ma, Xiaoteng Jia, and Geyu Lu

Jilin University, China

[MD1-3] **13:40-13:55**

Real-Time Monitoring of Oxygen Consumption and Microenvironmental Acidification in Cancer Spheroids Using an O_2/pH Biosensing Chip

Ping-Feng Yang, Kuei-Yang Hsiao, and Ching-Chou Wu

National Chung Hsing University, Taiwan

[MD1-4] **13:55-14:10**

Olfactory Sensing of Sulfides and Dynamic Electrophysiological Responses Using Engineered HL-1 Cardiomyocytes

Shimeng Mou[1], Jianguo Wu[1], Changming Chen[1], Yingying Xue[1,2], Hao Wan[1], and Ping Wang[1]

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