[TS09T3]

Nanobiotechnology for Non-Clinical Applications 2

Date & Time	July 9(Thu.), 2026 / 09:30–10:45
Place	Room 305
Session Chair(s)	Prof. Moon Il Kim (Gachon University)

TS09T3_O_1 ***YSA Applied** 09:30–09:45

A Triple-Gradient Janus Membrane Encoding a Volumetric Electron Transport for Biofluid Electroanalysis

Heeseon Choi, Jaehyung Jeon, and Sungsu Park
(Sungkyunkwan University)

TS09T3_O_2 09:45–10:00

Diffusion of Ions in Polymer Nanofluidic Devices by Transient Current Measurements

Hooman Abdolvand[1,3], Halle Davis[1,3], Ramin Riahipour[1,3], Junseo Choi[2,3], and Sunggook Park[1,3]
([1]Louisiana State University, [2]Texas State University, [3]Center of BioModular Multi-Scale Systems for Precision Medicine)

TS09T3_O_3 ***YSA Applied** 10:00–10:15

Soft Neural Interfaces of Liquid Metal for In-Vivo Mapping of Brain Network Reorganization after Ischemic Stroke in Mice

Eunmin Kim[1,2] and Jang-Ung Park[1,2]
([1]Yonsei University, [2]Institute for Basic Science)

TS09T3_I_4 ***Invited** 10:15–10:45

Biomimetic Nanozymes for Hard-to-Treat Inflammatory Disease Therapy

Hui Wei
(Nanjing University)