[TS09T5]

Nanobiotechnology for Non-Clinical Applications 4

Date & Time	July 9(Thu.), 2026 / 15:50-17:35
Place	Room 305
Session Chair(s)	Prof. Tae-Hyung Kim (Sungkyunkwan University)

TS09T5_I_1 ***Invited** 15:50-16:20

Microengineered Organoids-on-a-Chip Platforms for Modeling Human Development and Disease

Sunghee Estelle Park

(Purdue University)

TS09T5_I_2 ***Invited** 16:20-16:50

Exploring Interactions between Nanoparticles and Bacteria

Madalina Ababii[1], Victoire Bohuon[1], Hung Le[1], Cécile Duclairoir Poc[1], Oh Seok Kwon[2], and Andrea Chane[1]

([1]Rouen Normandy University, [2]Sungkyunkwan University)

TS09T5_O_3 ***YSA Applied** 16:50-17:05

Ultrasensitive Detection of PD-L1-Expressing Extracellular Vesicles Enables Immunotherapy Response Prediction via Reflection-Mediated Ellipsometry

Jung Hyun Choi[1], Hyun Mo Cho[2], Jun Hyeok Lim[3], Jiyoon Bu[4], and Dong Hyung Kim[1]

([1]Korea Research Institute of Standards and Science, [2]SIS sensor corporation, [3]Inha University Hospital, [4]Inha University)

TS09T5_I_4 ***Invited** 17:05-17:35

Liquid Metal Neural Interfaces as Adaptive Bioelectronic Systems

Jang-Ung Park

(Yonsei University)