

[TS13T4]

Nanofabrication Process and Platform 4

Date & Time	July 4(Thu.), 2024 / 14:00-15:30
Place	Room 212
Session Chair(s)	Kyoung G. Lee (NNFC), Sun Min Kim (Inha Univ.)

TS13T4_I_1 *Invited 14:00-14:30**Nanofabricated Multiplex Assay Biochip for Simple, Fast, and Accurate Blood Tests in the Microfluidic Platform**Eon Soo Lee¹, Yudong Wang¹, and Bharath Babu Nunna²*(¹New Jersey Institute of Technology, ²Weber State University)***TS13T4_I_2 *Invited 14:30-15:00****Nano Biosensor Platform and Applications of National NanoFab Center**

Tae Jae Lee

*(NNFC)***TS13T4_O_3 15:00-15:15****Compression-Driven Gating of DNA Transport through Polymer In-Plane Nanopores Fabricated by Nanoimprint Lithography**Ramin Riahipour^{1,3}, Junseo Choi^{1,3}, Corinne M Martin^{1,3}, Steven A. Soper^{2,3}, and Sunggook Park^{1,3}*(¹Louisiana State University, ²University of Kansas, ³Center for Bio-Modular Multi-Scale Systems for Precision Medicine)***TS13T4_O_4 15:15-15:30****Detection of Multiple Foodborne Pathogens Utilizing a Three-Dimensional Nanostructure Swab and Deep Learning-Based Analysis of Raman Spectra**Hyunju Kang¹, Junhyeong Lee², Jeong Moon¹, Taegu Lee², Eun-Kyung Lim¹, Juyeon Jung¹, Yongwon Jung², Seok Jae Lee³, Kyoung G. Lee³, Seunghwa Ryu², and Taejoon Kang¹*(¹KRIBB, ²KAIST, ³NNFC)*