

Korea-EU SESSION: Smart Healthcare Materials and Devices

September 4-8, 33rd Annual Conference of the European Society for Biomaterials in Davos, Switzerland

Date : September 5 (Tue), 2023 | Time : 2:45 - 4:15 pm | Room : Schwarzhorn

Co-Chairs



Prof. Sangyong Jon

Department of Biological Sciences,
KAIST



Prof. Dong Yun Lee

Department of Bioengineering,
Hanyang University

Introductory Remarks on WBC 2024



Prof. Insup Noh

International Affairs Committee Chair of WBC 2024 Organizing Committee
Main Applicant, Department of Chemical and Biomolecular Engineering,
Seoul National University of Science and Technology

Keynote Talk



Prof. Sei Kwang Hahn 2:45-3:15pm

Main Applicant, Seok Cheon Endowed Chair Professor
Department of Materials Science & Engineering, POSTECH
Smart Wearable Devices for On-Demand Healthcare Applications

Invited Talks



Prof. Sungjune Jung 3:15-3:30pm

Department of Materials Science & Engineering, POSTECH
**Real-Time Monitoring of The Transepithelial/
Endothelial Electrical Resistance of A 3D-Bioprinted
Lung Model**



Prof. Yoon Sung Nam 3:30-3:45pm

Department of Materials Science & Engineering, KAIST
**Target-catalyzed Self-assembly of DNA Nanogel for
Enzyme-free miRNA Assay**



Prof. Jae Young Lee 3:45-4:00pm

School of Materials Science and Engineering, GIST
**High-performance implantable bioelectrodes
with immunocompatible topography and
bioactivity for modulation of macrophage responses**



Prof. Youngeun Kim 4:00-4:15pm

Department of Materials Science & Engineering,
Seoul National University
**Engineering Dynamic Materials with DNA towards
Adaptive Biosensors**

Biomaterials Research (IF = 11.3), The Official Journal of The Korean Society for Biomaterials