

[TS07W2]**Nanomaterials for Biotechnology 2**

Date & Time	July 3(Wed.), 2024 / 15:40–17:40
Place	Room 206B
Session Chair(s)	Tae Joon Kang (KRIBB)

TS07W2_I_1 *Invited 15:40–16:10**Dynamic Interference Nanolithography Integrated with Machine Learning for Predictive Stem Cell Fate Mapping**Letao Yang^{1,2}*(¹Tongji University, ²Shanghai Tongji Hospital)***TS07W2_O_2 16:10–16:25****Modulus-Tunable 3D Printable Hydrogel Ink with Functionalized Carbon Nanotube and Laponite XLG Fillers**

Minkyong Kang, Jae Park, Soo A Kim, Ju Yeon Kim, Dae Woo Kim, Kijun Park, and Jungmok Seo

*(Yonsei University)***TS07W2_O_3 16:25–16:40****Development of Osteochondral Structure Targeted Multifunctional Bioink by Applying Peptide Introduction and Calcium Phosphate Phase Transition**

Jueun Kim, Honghyun Park, and Hui-Suk Yun

*(KIMS)***TS07W2_I_5 *Invited 16:40–17:10****Plasmon-Enhanced Multiplexed Analysis of Single Extracellular Vesicles**

Mi Ho Jeong, Jae-Sang Hong, Ursula Winter, Cesar M. Castro, and Hyungsoon Im

*(Massachusetts General Hospital)***TS07W2_O_6 17:10–17:25****Development of Peptide-Immobilized Bioinks through Photo Induced Crosslinking of Unmodified Proteins**

Yeong-Jin Choi

(KIMS)

TS07W2_O_7

17:25–17:40

Rapid Realtime PCR using Photothermal Conversion of Gold Nanoparticles for Detection of Salmonella Typhimurium

Sun Hee Ahn, Do Hyun Jeong, and Jae Sung Ahn

(KOPI)

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