



[Session C] Recent Advances in Bioimaging

Date / Time	November 2, 2021 / 13:30-15:30
Session Code	TuC2-06
Session Chair	Prof. Doory Kim (Hanyang University, Korea)

TuC2-06-1 **Keynote Talk**

[Pre-recorded] 13:30-14:00

Molecular Optogenetics: The New Molecular Approach to Study Real-Time Functions of Molecules in Live Cells and Animals

Won Do Heo
KAIST, Korea

TuC2-06-2 **Invited Talk**

[Pre-recorded] 14:00-14:20

Integrated Fluorescence-Free Three-Dimensional Super-Resolution Microscopy Based on Wavelength-Dependent Plasmonic Scattering

Seong Ho Kang
Kyung Hee University, Korea

TuC2-06-3 **Invited Talk**

[Live] 14:20-14:40

Aggregation of Hyperphosphorylated Tau Protein in Alzheimer's Disease

Jinmin Lee and Sang Hak Lee
Pusan National University, Korea

TuC2-06-4 **Invited Talk**

[Live] 14:40-15:00

Super-Resolution Fluorescence Microscopy Reveals Nanoscale Catalytic Heterogeneity on Single Copper Nanowires

Matthew Jun Kit Ow, Jia Jun Ng, Jian Xiong Yong, Benjamin Yi Liang Quek, Edwin K. L. Yeow, and Zhengyang Zhang
Nanyang Technological University, Singapore

TuC2-06-5 **Oral**

[Live] 15:00-15:15

Application of Poly-Epoxy-Based Tissue Clearing and Expansion for Multiplexed in situ Imaging of Complex Biological Systems

Kang Hoon Kim¹, JuBeen Yoon¹, Han-Eol Park^{1,2}, Jaewon Ko³, and Chang Ho Sohn¹
¹Yonsei University, Korea, ²Seoul National University, Korea, ³DGIST, Korea

TuC2-06-6 **Oral**

[Pre-recorded] 15:15-15:30

Ultrasensitive Protein Assays via Single-Molecule Imaging

Sooyeon Kim^{1,2}, Latiefa Kamarulzaman^{1,3}, and Yuichi Taniguchi^{1,2,3}
¹RIKEN Center for Biosystems Dynamics Research, Japan, ²Kyoto University, Japan, ³Osaka University, Japan