

Program

5월 29일(목), IBK기업은행홀 (B145)

좌장: 이정은 (한국과학기술연구원(KIST))

IP2-9 15:00-15:25

Large-Area SEM Imaging of Lewy Pathology: Structural Insights into α -Synuclein Aggregates in Human Brain Organoid

Yeo jin Kim¹, Minkyoo Jung¹, Min-Kyoung Shin², Junghyun Jo², Ji Young Mun^{1*}

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IP2-10 15:25-15:50

Altered spine architecture and epileptogenesis: A simulation study in human dysplastic neocortex

Jawon Gim¹, Na Young Seo¹, Gyu Hyun Kim¹, Kea Joo Lee¹, Joon Ho Choi²

¹Neural Circuits Research Group, KBRI, ²Sensory and Motor System Research Group, KBRI

IP2-11 15:50-16:05

Structural Characterization of Cerebral Organoids Using Confocal Microscopy and Transmission/Scanning Electron Microscopy

Seulgi Noh^{1,2}, Yurim Park^{1,3}, Beomsue Kim¹, and Ji Young Mun^{1*}

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IP2-12 16:05-16:20

Mapping Primary Cilia Across Renal Tubules Using FE-SEM

Mi-Jin Jee^{1,2}, Jung-Mi Han², Ki-Hwan Han¹

¹Department of Anatomy & ²Nanoimaging Lab, Ewha Womans University College of Medicine, Seoul, Korea

IP3

SPM: Advanced scanning probe microscopy studies in functional materials

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좌장: 양상모 (서강대학교)

IP3-1 14:00-14:25

Improved sensitivity of piezoresponse force microscopy by machine learning approaches

Yunseok Kim

School of Advanced Materials Science and Engineering, Sungkyunkwan University (SKKU)

IP3-2 14:25-14:50

Scanning probe-based flexoelectric manipulation of functional materials

Ji Hye Lee

Advanced Institute of Convergence Technology, Seoul National University