

[ThE2] Emerging Biomaterials

Date / Time	July 5 (Thu.), 2018 / 13:30-15:05
Place	Room E (#110)
Session Chair	SeungBeum Suh (KIST, Korea)

ThE2-01

13:30-13:45

Conductive Gold Nanostructure/Matrigel Composites to Enhance Electrochemical Signals of Pluripotent Stem Cells

 Tae-Hyung Kim¹, Intan Suhito¹, Sung-Hwan Moon², and Hyuk-Jin Cha³
¹Chung-Ang Univ., Korea, ²Konkuk Univ., Korea, ³Seoul Nat'l Univ., Korea
ThE2-02

13:45-14:00

Plasmon Assisted Enhanced Biosensor Using Ag/Polymer Core-Shell Hybrid Nanoparticle

Dong Hyuk Park, Seokho Kim, Jinho Choi, Do-hyoung Kim, and Jung Woon Park

Inha Univ., Korea
ThE2-I3 (Invited)

14:00-14:25

Artificial Photosynthesis: Learning from Nature

 Dong Ryeol Whang¹, Soo Young Park², and Serdar Niyazi Sariciftci¹
¹Johannes Kepler Univ. Linz, Austria, ²Seoul Nat'l Univ., Korea
ThE2-I4 (Invited)

14:25-14:50

Mono- and Di-nuclear Iridium (III) Complexes with Tridentate Polypyridine Ligands as Theranostic Photodynamic Therapy Agents

 Wenfang Sun¹, Bingqing Liu¹, Susan Monro², Colin G. Cameron³, Katsuya Colon³, Huimin Yin², Sherri A. McFarl^{2,3}
¹North Dakota State Univ., USA, ²Univ. Avenue, Canada, ³Univ. of North Carolina at Greensboro, USA
ThE2-05

14:50-15:05

Cellular Behaviors on Multilayered PDMS (Poly Dimethylsilox-ane) Nanobrush for Cell Adhesion and Morphogenesis

 Jongjin Jung¹, Soosang Chae², Joung Kyu Park², and Hyuk Wan Ko³
¹Hannam Univ., Korea, ²KRICT, Korea, ³Yonsei Univ., Korea