

# [S6-5] 부문위원회 및 학생세션 V: Cellular Modulation Technology

● October 11, 2019, 13:30–15:02 (Room 322)

Chair: Tae-Hyung Kim (Chung-Ang University)

**S651**

**13:30-13:50**

Expression of Human Granulocyte-colony Stimulating Factor (hG-CSF) in *Chlorella* spp.

Jun-Hye SHIN, Juyoung CHOI, Seong-Ryong KIM

Department of Life Science, Sogang University, Seoul, Korea



**S652**

**13:50-14:02**

Enhanced Osteogenic Differentiation of Human Mesenchymal Stem Cells by Regulating the Tension between the Cell and Surface

Sungwoo CHO<sup>1</sup>, Boram SON<sup>1</sup>, Tai Hyun PARK<sup>1,2</sup>

<sup>1</sup>School of Chemical and Biological Engineering, Seoul National University, Seoul, Korea,

<sup>2</sup>Interdisciplinary Program for Bioengineering, Seoul National University, Seoul, Korea

**S653**

**14:02-14:14**

Hybrid Nanoelectrode Array Composed of Gold/Graphene for Enhancement of Stem Cell Differentiation and Real-Time Monitoring

Hye Kyu CHOI<sup>1</sup>, Jin-Ho LEE<sup>2</sup>, Tae Hyeong HA<sup>1</sup>, Jeong-Woo CHOI<sup>1</sup>

<sup>1</sup>Department of Chemical and Biomolecular Engineering, Sogang University, Seoul, Korea, <sup>2</sup>Department of Chemistry and Chemical Biology, Rutgers University, New Jersey, USA

**S654**

**14:14-14:26**

Utilization of Kifunensine and Sorbitol for Enhanced Production of Glyco-engineered Acid  $\alpha$ -Glucosidase in Transgenic Rice Cell Cultures

Joon-Young CHOI, Hong-Yeol CHOI, Chang-Hyun JUNG, Chi-Heon LEE, Dong-II KIM

Department of Biological Engineering, Inha University, Incheon, Korea

**S655**

**14:26-14:38**

Characterization of Apricot Extract for Vitiligo Treatment by Melanoblast Migration

Hyeri OH, Hyang-bok LEE, Eun-ki KIM

Department of Biological Engineering, Inha University, Incheon, Korea

**S656**

**14:38-14:50**

Osteogenic Induction Capability of Runx2-Conjugated 30kc19 $\alpha$  in Mesenchymal Stem Cells

Haerin LEE<sup>1</sup>, Seung Hyun L. KIM<sup>2</sup>, Nathaniel Suk-Yeon HWANG<sup>1,2</sup>, Tai Hyun PARK<sup>1,2</sup>

<sup>1</sup>School of Chemical and Biological Engineering, Institute of Chemical Processes, Seoul National

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**S657**    **14:50-15:02**

Induction of Matrix Metalloproteinase-2, a Melanoblasts-migration Factor, by Compound1 Isolated from Longan

Ga-yeong KIM, Hyang-bok LEE, Eun-ki KIM

Department of Biological Engineering, Inha University, Incheon, Korea