

## [S5-3] 신진연구자를 위한 포럼 I. 생물공정, 대사공학

● October 10, 2019, 14:55–16:25 (Room 323)  
Chair : June-Hyung KIM (Dong-A University)

**14:55-15:05** 인사말씀  
이희찬 (한국생물공학회장)

**S531**



**15:05-15:25**

Applications of Microbial Biotechnology for Sustainable Food Production

Seung-Oh SEO

Department of Food Science and Nutrition, The Catholic University of Korea, Bucheon, Korea

**S532**



**15:25-15:45**

Tackling Challenges in the Biopharmaceutical Industry: Cell Line Instability

Jong Youn BAIK

Department of Biological Engineering, Inha University, Incheon, Korea

**S533**



**15:45-16:05**

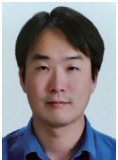
Improved (-)- $\alpha$ -Bisabolol Production by Efficient Conversion of Mevalonate in *Escherichia coli*

Soo-Jung KIM<sup>1,2</sup>, Seong Keun KIM<sup>2</sup>, Dae-Hee LEE<sup>2</sup>, Seung-Goo LEE<sup>2</sup>

<sup>1</sup>Department of Food Science and Technology, Chonnam National University, Gwangju, Korea,

<sup>2</sup>Synthetic Biology and Bioengineering Research Center, Korea Research Institute of Bioscience and Biotechnology, Daejeon, Korea

**S534**



**16:05-16:25**

Systems Evaluation of Less-characterized Transcription Factors in *Escherichia coli*

Donghyuk KIM

School of Energy and Chemical Engineering, Ulsan National Institute of Science and Technology, Ulsan, Korea

## [S5-4] 신진연구자를 위한 포럼 II. 바이오센서, 나노바이오, Drug Delivery

October 10, 2019, 16:50–18:30 (Room 323)  
Chair : Jong Wook Hong (Hanyang University)

**S541**

**16:50-17:10**



**Biomimetic Nucleoporin Hydrogel for Molecules' selective Permeation**

Yun Jung YANG

Department of Biological Engineering, Inha University, Incheon, Korea

**S542**

**17:10-17:30**



**Enhancing Cancer Immunotherapy using Biomaterials**

Chun Gwon PARK

Department of Biomedical Engineering, SKKU Institute for Convergence, Sungkyunkwan University (SKKU), Suwon, Korea

**S543**

**17:30-17:50**



**Targeted Drug Delivery in the Suprachoroidal Space using a Microneedle**

Jae Hwan JUNG

Department of Pharmaceutical Engineering, Dankook University, Cheonan, Korea

**S544**

**17:50-18:10**



**Bioconjugation and Self-Assembly Technologies for Multi-Functional Biologics**

Sung In LIM

Department of Chemical Engineering, Pukyong National University, Busan, Korea

**S545**

**18:10-18:30**



**Design of *in vivo* Nanosensor Based on Magnetic Interaction: Magnetic Resonance Tuning (MRET) Sensor**

Jin-sil CHOI

Dept of Chemical and Biological Engineering, Hanbat National University, Daejeon, Korea