

# 2017 한국생물공학회 춘계학술발표대회 및 국제심포지엄

2017 KSBB Spring Meeting and International Symposium

07

## 부문위원회 구두발표 & 학생 구두발표

- [부문위원회 구두발표] Division Symposium
- [학생구두발표] Student Presentation (English)
- [학생구두발표] Doctor's Course Presentation
- [학생구두발표] Master's Course Presentation
- [학생구두발표 : 자율운영세션] Student Presentation

● April 7, 2017, 09:30–11:15 (Room 206)  
Chair : Sekyoo Jeong (Seowon University)

**OP108 09:30-09:40**

Cultivation Temperature Detection of *C.elegans* in Linear Temperature Gradient using Microfluidic System Combined with Peltier Modules

Sunhee YOON<sup>1,2</sup>, Hailing PIAO<sup>2,3</sup>, Sun Min KIM<sup>2,3</sup>, Tae-Joon JEON<sup>1,2</sup>

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**OP109 09:40-09:50**

Coacervation of like-charged Polyelectrolytes inspired by mussels

Sangsik KIM, Dong Soo HWANG

Division of Environmental Science and Engineering, Pohang University of Science and Technology, Pohang 790-784, Republic of Korea.

**OP110 09:50-10:00**

Self-assembled surfactant-protein complexes for the encapsulation of bioactive phytochemicals

Md. Abdur RAZZAK<sup>1</sup>, Shin Sik CHOI<sup>1,2</sup>

<sup>1</sup>Department of Energy Science and Technology, Myongji University.

<sup>2</sup>Department of Food and Nutrition, Myongji University.

**OP111 10:00-10:10**

Stability enhancement of phytochemicals using protein-polysaccharide nanocomplexes

Arvie Camille DE GUZMAN<sup>1</sup>, Shin Sik CHOI<sup>1,2</sup>

<sup>1</sup>Department of Energy Science and Technology, Myongji University.

<sup>2</sup>Department of Food and Nutrition, Myongji University.

**OP112 10:10-10:20**

Refolding of Autodisplayed scFv Fragments on *E. coli* Outer Membrane for Nef Antigen Detection.

Ji-Hong BONG, Jae-Chul PYUN

Department of Materials Science and Engineering, Yonsei University, Seodaemun-gu, Seoul 03722, South Korea.

**OP113 10:20-10:30**

Synthesis and Characterization of Novel Astragalin Galactosides Using  $\beta$ -Galactosidase from *Bacillus circulans*

Songhee HAN<sup>1</sup>, Thi Thanh Hanh NGUYEN<sup>2</sup>, Hee-Jung LIM<sup>1</sup>, Jun-Seong PARK<sup>4</sup>, Doman KIM<sup>1,2</sup>

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**OP114 10:30-10:40**

**Enzymatic Production of Indigestible Maltooligosaccharides Using Glucansucrases from *Leuconostoc mesenteroides* B-512FMCM and *Leuconostoc mesenteroides* NRRL B-1355CF10**

**Donggu LEE<sup>1</sup>, Thi Thanh Hanh NGUYEN<sup>2</sup>, Sohyung KWAK<sup>1</sup>, Gyumin SON<sup>1</sup>, Ganghee LEE<sup>1</sup>, Doman KIM<sup>2</sup>**

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