

A3 Foresight Japan-Korea Seminar in Incheon

6th December 2018

Songdo Central Park Hotel (<http://www.centralparkhotel.co.kr/>)

Dinner

7th December 2018

Location : Building 2, Mini Seminar Room, Inha University

10:30 Inha University Campus and Lab Tour

12:00 Lunch

13:30 Opening Remarks

Prof. Eung-Soo Kim

Prof. Yasuo Ohnishi

Talks from Prof. Ohnishi's laboratory

13:40 Yasuo Ohnishi

Ultrahigh Heat-resistant Bioplastics Developed from Cellulosic Feedstock

14:00 Takeaki Tezuka

Unique Life Cycle and Survival Strategy of the Rare Actinomycete *Actinoplanes missouriensis*

(Short break)

14:30 Yuichiro Hashiguchi

Functional Analysis of FliA-family Sigma Factors which Control Gene Expression for Sporangium Formation in *Actinoplanes missouriensis*

14:40 Ryota Suzuki

Clp Protease Required for Sporangium Formation and Dehiscence in *Actinoplanes missouriensis*

14:50 Satoshi Maeda

Identification of Sporangium Wall Components of the Rare Actinomycete *Actinoplanes missouriensis*

15:00 Kyota Mitsuyama
Two Glycoside Hydrolases Required for Sporangium Dehiscence in *Actinoplanes missouriensis*

Coffee Break

Talks from Prof. Kim's laboratory

15:30 Sisun Choi
Isolation, Characterization, and Redesign of Disaccharide-containing Antifungal Polyene NPP in *Pseudonocardia autotrophica*

15:45 Hanna Lee
Construction of *Corynebacterium* Cell Factory for High Production of *cis,cis*-Muconic acid

16:00 Heeju Nah
Isolation and Expression of Tautomycetin Biosynthetic Gene Cluster Using *Streptomyces* Artificial Chromosome System

16:15 Ji-Hoon Park
Redesigning of Biosynthetic Pathway for Production of *cis,cis*-Muconic Acid in *Escherichia coli*

16:25 Seung Hee Choi
Improvement of Tautomycetin Production by Overexpression of Pathway-specific Regulatory Gene

16:35 Hung-Soon Park
Development of Microbial Fungicide for Agricultural Plant Using Actinomycetes Genomics-driven Approaches

16:45 Eunhwi Park
Construction of Shikimate-producing *Corynebacterium glutamicum* by Traditional Pathway Engineering

16:48 Eung-Soo Kim
Streptomyces strain improvement

17:10 Closing Remarks

Prof. Yasuo Ohnishi

Prof. Eung-Soo Kim

17:20 Group photo

18:00 Social Gathering at Hag-Un Jeong

8th December 2018

9:00 Free Discussion for Future Collaboration