

## A3 Foresight Japan-Korea Seminar in Tokyo

17<sup>th</sup> February 2017

No.1 lecture room (2<sup>nd</sup> floor), No. 2 building of Yayoi campus, The University of Tokyo

13:30 Opening remarks **Yasuo Ohnishi**

### Talks from Prof. Kim's laboratory

13:35 Introduction of MMBL (Prof. Kim's lab)

**Sisun Choi**

13:40 Metabolic pathway reconstitution for the production of cis,cis-muconic acid in *Corynebacterium glutamicum*

**Hanna Lee**

13:53 *Streptomyces* artificial chromosome system for utilizing large biosynthetic gene cluster in various hosts

**Heeju Nah**

14:06 Development of novel NPP polyene antibiotics exhibiting lower toxicity and improved antifungal activity

**Hyejin Kim**

Break

14:40 Isolation and heterologous expression of large pikromycin biosynthetic gene cluster using actinomycete artificial chromosome vector system

**Hye-rim Pyon**

14:53 Strategies for overproduction of polyene NPP B1 in a rare actinomycete, *Pseudonocardia autotrophica*

**Jin-young Jang**

15:06\* Identification and characterization of vitamin D3-specific hydroxylase in *Sebekia benihana*

**Hyun-Bum Kim**

15:13\* Improvement of cis-cis muconic acid production by redesigning of aromatic amino acid biosynthetic pathway in *E. coli*

**Ji-Hoon Park**

15:20\* Improvement of NPP B productivity using *wblA* ortholog gene deletion in *Pseudonocardia autotrophica*  $\Delta$ ER5

**Chi-young Han**

Break

### Talks from Prof. Ohnishi's laboratory

- 15:50 Introduction of the biosynthesis team of Hakko Lab  
**Yohei Katsuyama**
- 15:55 Biosynthesis of benzastatins  
**Hayama Tsutsumi**
- 16:08 Activation of cryptic biosynthetic gene cluster by overexpression of  
SARP-family transcriptional activator  
**Danyao Du**
- 16:21 Biosynthesis of a nonribosomal peptide, JBIR-126  
**Takeshi Tsunoda**
- 16:34 *In vitro* analysis of biosynthesis of nonribosomal peptides, JBIR-34, -35  
**Kaoru Sone**
- 16:47 Biosynthesis of a nonribosomal peptide, rufomycin  
**Hiroya Tomita**

10 min talk 2 min discussion

\*5 min talk 1 min discussion

17:00 Closing Remarks **Eung-Soo Kim**

17:05 Group photo

Laboratory tour

18:00 Social gathering at Maruso