

The 9th Japan-Korea Chemical Biology Symposium

May 24-26, 2018

The Central Park Hotel

193, Technopark-ro, Yeonsu-gu, Incheon, Korea

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Organizing Co-Chairs:

Eung-Soo Kim (Inha Univ., Korea)

Kazuro Shiomi (Kitasato Univ., Japan)

Organizing Members:

Jong Seog Ahn (KRIBB, Korea)

Hiroyuki Osada (RIKEN, Japan)

Organizing Co-Secretariats:

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Registration

All the participants are required to pay the registration fee in by cash(KRW) or credit at the registration desk. KMB (The Korean Society for Microbiology and Biotechnology) receipt will be send to you by e-mail.

* Resistration fee

Category	Fee	Coverage
General	KRW 150,000	Admission to Scientific sessions / Welcome Reception/coffee Breaks / Lunch/ Tour / Banquet
Student	KRW 100,000	

Program Schedule

May 24

- 16:00 - 18:00 Check in & Registration (2nd floor registration desk)
- 18:00 - 18:10 Opening Ceremony
Jong Seog Ahn (KRIBB)
Hiroyuki Osada (RIKEN)
- 18:10 - 19:10 **Short Oral Presentation (Part I)** Chairperson: Young-Soo Hong (KRIBB)
(P1 ~ P22, 2 min, 22 persons)
- 19:10 - 21:00 Welcome Party (2nd floor Rubby hall)

May 25

- 08:00 - 09:00 Registration
- 09:00 - 09:10 Opening Remarks (2nd floor Emerald Hall) Eung-Soo Kim (Inha Univ.)

1) Discovery of Bioactive Molecules I Chairperson: Won-Gon Kim (KRIBB)

- 09:10 - 09:30 Hyukjae Choi (Yeungnam Univ.)
Discovery of Marine-derived Microbial Natural Products with Molecular Networking
- 09:30 - 09:50 Toshifumi Takeuchi (Bikaken)
Screening of Cancer Metabolism Inhibitor

2) Discovery of Bioactive Molecules II Chairperson: Masaya Imoto (Keio Univ.)

- 09:50 - 10:10 Sang Hee Shim (Duksung Women's Univ.)
Endophytic Fungi: a Potential Source of Novel Bioactive Metabolites
- 10:10 - 10:30 Hideaki Kakeya (Kyoto Univ.)
Microbial Metabolites Targeting Microenvironment: a Cell Membrane Signaling Modulator and a Hypoxia-Response Modulator

10:30 - 10:50 Coffee Break

3) Biosynthesis of Bioactive Molecules I Chairperson: Jae Kyung Sohng (Sun Moon Univ.)

- 10:50 - 11:10 Hahk-Soo Kang (Konkuk Univ.)
Genome Mining Platform to Uncover New Natural Products from Cryptic Biosynthetic Gene Clusters in Microbial Genomes
- 11:10 - 11:30 Kenji Watanabe (Univ. Shizuoka)
Crystallographic Characterization of a [4+2]-Cyclase Binding Site and Mutational Alteration of Stereoselectivity

4) Biosynthesis of Bioactive Molecules II Chairperson: Hiroshi Tomoda (Kitasato Univ.)

- 11:30 - 11:50 Je Won Park (Korea Univ.)
Exploiting the Biosynthetic Pathways of Aminoglycosides and Their Engineering
- 11:50 - 12:10 Shunji Takahashi (RIKEN)
Regulation of Secondary Metabolite Gene Cluster by Small Molecule

12:10 - 13:10 **Lunch** (2nd floor Rubby hall)

5) Mechanism of Bioactive Molecules I

Chairperson: Ho Jeong Kwon (Yeonsei Univ.)

13:10 - 13:30 Hyunjoo Cha-Molstad (KRIBB)
Autophagy Induced by p62 Activating Ligands

13:30 - 13:50 Etsu Tashiro (Keio Univ.)
Chemical Biology Investigation of ER Stress

6) Mechanism of Bioactive Molecules II

Chairperson: Siro Simizu (Keio Univ.)

13:50 - 14:10 Jae Wook Lee (KIST)
Synthesis and Biological Evaluation of Quinazoline Derivatives as Cytoprotective Agents

14:10 - 14:30 Akihiro Ito (TUPLS)
Regulation of a Dual Specificity Deacylase Activity of SIRT2

14:30 - 14:50 **Coffee Break**

7) Short Oral Presentation (Part II)

Chairperson: Yukihiro Asami (Kitasato Univ.)

14:50 - 15:50 Short Oral Presentation (P23 ~ P42, 2 min, 20 persons)

15:50 - 16:50 Poster Presentation (P1 ~ P42)

8) Young Scientist Presentation I

Chairperson: Joong Sup Shim (Univ. Macau)

16:50 - 17:05 Joo-Won Nam (Yeungnam Univ.)
Oligomeric Proanthocyanidins with Potent Dentin Biomodification Activity

17:05 - 17:20 Satoshi Ohte (Kitasato Univ.)
Scopranones, Novel Polyketides with Two Linked Scoop-like Moieties Produced by *Streptomyces* sp. BYK11038, Isolated as an Inhibitor of BMP-induced Osteoblastic Differentiation in C2C12 Cells

9) Young Scientist Presentation II

Chairperson: Kazuro Shiomi (Kitasato Univ.)

17:20 - 17:35 Jun-Pil Jang (KRIBB)
Novel Bioactive Molecules from a *Streptomyces* sp. RK88-1441 Using One Strain-Many Compounds (OSMAC) Approach

17:35 - 17:50 Junnosuke Otaka (RIKEN)
Small Molecules Produced by *Coprinopsis cinerea*

17:50 - 18:00 Closing Remarks & Photo

Jong Seog Ahn (KRIBB)
Hiroyuki Osada (RIKEN)

18:00 - 20:00 Banquet (Songdo Hanok village)

May 26

09:00 - 12:00 General meeting/excursion

12:00 - 13:00 Lunch