4th RIKEN-KRIBB

Chemical Biology Joint Symposium

Feb 10, 2022

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***Organized by**

Chemical Biology Research Group,
RIKEN-KRIBB Joint Research Unit,
Natural Product Biosynthesis Research Unit,
RIKEN Center for Sustainable Resource Science (CSRS), Japan

Anticancer Agent Research Center,
Korea Research Institute of Bioscience and Biotechnology (KRIBB), Korea

*This Symposium is a part of the RIKEN Symposium Series.

Program

13:30 ~ 13:45	**Opening Remark** **Hiroyuki Osada (Chemical Biology group, RIKEN CSRS)**
13:45~ 13:50	**Welcoming Address** **Kazuki Saito (Director, RIKEN CSRS)**
13:50~ 14:05	**Congratulatory Remark** **Jeong Younung (Embassy of the Republic of Korea in Japan)** **Sei-Ryang Oh (Director, Ochang Branch Institute, KRIBB)**
	Special Presentation 1 **Chair: Kazuro Shiomi (Institute of Microbial Chemistry)**
14:05 ~14:35	**Chemical biology challenging refractory disease** **Masaya Imoto (Juntendo Univ.)**
	Session 1 Discovery of Novel Natural Products **Chair: Jun-Pil Jang (KRIBB)/Toshihiko Nogawa (RIKEN)**
14:35 ~14:50	**Isolation of new lucilactaene derivatives with potent antimalarial activity and their structure-activity relationship** **Islam A. Abdelhakim (RIKEN)**
14:50 ~15:05	**Discovery of novel microbial secondary metabolites by co-culture system of fungus and actinomycete** **Gwi Ja Hwang (KRIBB)**
15:05~ 15:20	**Group Photo (Screenshot) Video ON & Mask OFF** **Short Break**
	Session 2 Evaluation of Biological Active Compounds **Chair: Sung-Kyun Ko (KRIBB)/Yushi Futamura (RIKEN)**
15:20 ~ 15:35	**Mode of action of antimalarial compounds** **Fauze Bin Mahmud (RIKEN)**
15:35 ~ 15:50	**The nitrite transporter facilitates biofilm formation via suppression of nitrite reductase and is a new antibiofilm target in *pseudomonas aeruginosa*** **Ha-Young Choi (KRIBB)**
	Session 3 Understanding of Biosynthetic Mechanism of Natural Products **Chair: Young-Soo Hong (KRIBB)/Shunji Takahashi (RIKEN)**
15:50 ~16:05	**Characterization of cytochrome P450 function in verticilactam biosynthesis** **Zheng Yu (RIKEN)**
16:05~ 16:20	**Construction of artificial biosynthetic pathway for zingerone production in *Escherichia coli* using feruloyl-CoA specific benzalacetone synthase** **Kyung Taek Heo (KRIBB)**
16:20 ~16:30	**Short Break**
	Special Presentation 2 **Chair: Jae-Hyuk Jang (KRIBB)**
16:30 ~ 17:00	**Exploring drug-target-phenotype interaction and its translational impact** **Ho Jeong Kwon (Yonsei Univ.)**
17:00~ 17:10	**Closing Remark** **Jong Seog Ahn (Director, Anticancer Agent Research Center, KRIBB)**
17:10~ 17:20	**Yuko Harayama (Executive Director, RIKEN)**