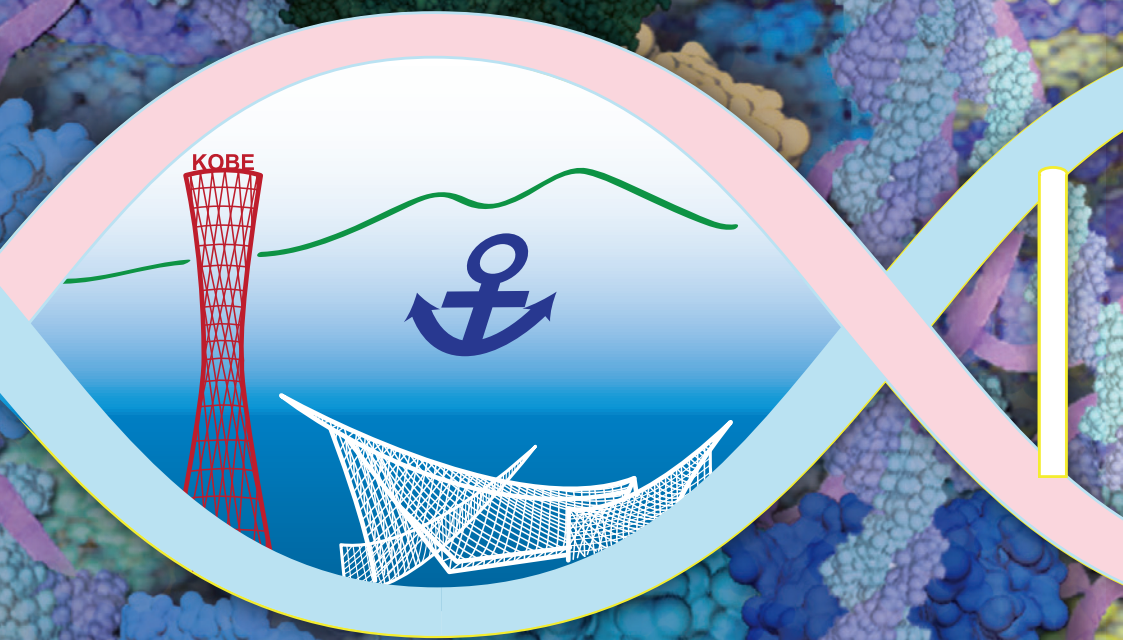


CMCB 2017



December
12 (10:00-17:15)
17:30~Banquet
13 (9:00-12:00)

Free to Participant

First International Symposium on Chemistry for Multimolecular Crowding Biosystems

Invited Speakers

Naoki Sugimoto (Konan University), **Roland K. O. Sigel** (University of Zurich), **Xiaorong Fan** (Nanjing Agricultural University), **Souvik Maiti** (CSIR-Institute of Genomics and Integrative Biology), **Kenichi Yoshikawa** (Doshisha University), **Gary Pielak** (University of North Carolina, Chapel Hill), **Yoshinobu Baba** (Nagoya University), **Injae Shin** (Yonsei University), **Jianhua Qin** (Chinese Academy of Sciences), **Jean-Christophe Galas** (CNRS/UPMC), **Atsushi Natsume** (Nagoya University), **Akio Ojida** (Kyushu University), **Evan W. Miller** (University of California, Berkeley), **Yimon Aye** (Cornell University), **Itaru Hamachi** (Kyoto University)

Conference Location:

Kobe Portopia Hotel

6-10-1, Minatojima Nakamachi,
Chuo-ku, Kobe, 650-0046, Japan

Conference Chairs:

Itaru HAMACHI

Kyoto University

Naoki SUGIMOTO

Konan University

Supported by

MEXT Grant-in-Aid for Scientific Research on
Innovative Areas "Chemistry for Multimolecular Crowding
Biosystems"

Co-organized by Konan FIBER

Co-sponsored by the Chemical Society of Japan

Co-sponsored by Japan Society of Nucleic Acids Chemistry

平成29~33年度 文部科学省科学研究費助成事業

新学術領域研究「分子夾雑化学」



分子夾雑の生命化学

Chemistry for Multimolecular Crowding Biosystems

<http://www.bunshi-kyouzatsu.jp/>

【お問合せ】

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【参加申込方法】

下記(1)~(5)を明記の上、11月28日(火)までに下記の申込先宛にE-mailにてお申し込みください。

(1) 氏名 (ふりがな)、(2) 所属、(3) 役職または学年、(4) 連絡先 (郵便番号、所在地、電話、E-mail)

(5) 懇親会 (12月12日17:30より、ポートピアホテル 生田の間、会費10,000円)

申込先: 甲南大学 ポートアイランドキャンパス事務局 fiber@adm.konan-u.ac.jp

*講演会の参加費は無料です。当日参加も可能ですが、準備の都合上、なるべく事前申込みをしてください。

CMCB 2017 Program

December 12 (Tue)

10:00-	Opening Remarks Itaru Hamachi (Kyoto University, Japan)
Session I	
A02 Group Group Leader: Naoki Sugimoto (Konan University, Japan)	
Chair : Shigenori Tanaka (Kobe University, Japan)	
10:10- I-1	Naoki Sugimoto (Konan University, Japan) Molecular Crowding Effect on Nucleic Acids Chemistry: “ <i>To B or not to B</i> ”
10:40- I-2	Roland K. O. Sigel (University of Zurich, Switzerland) Changing Structure and Folding Pathway of RNAs by Metal Ions and Their Complexes
11:10- I-3	Xiaorong Fan (Nanjing Agricultural University, China) The Tissue Specific Expression of Plant Gene Regulated by Cell Crowded Condition
Chair : Yuji Goto (Osaka University, Japan)	
11:40- I-4	Souvik Maiti (Institute of Genomics and Integrative Biology, India) Interfering with Interference: Targeting the RNAi Pathway Using Small Molecules
12:10- I-5	Kenichi Yoshikawa (Doshisha University, Japan) Playing with ‘Crowding’: Creation of Cell-Mimicking Structure & Function
12:40- I-6	Gary J. Pielak (The University of North Carolina at Chapel Hill, USA) Protein Biophysics in Living Cells
13:10-14:30	Lunch

December 12 (Tue)

Session II	
A03 Group Group Leader: Yoshinobu Baba , (Nagoya University, Japan)	
Chair : Kazuhito Tabata (The University of Tokyo, Japan)	
14:30- II-1	Yoshinobu Baba (Nagoya University, Japan) Nanobiodevices and AI for Chemistry for Multimolecular Crowding Biosystems
15:00- II-2	Injae Shin (Yonsei University, Republic of Korea) How Do Artificial Ion Transporters Promote Cell Death?
15:30- II-3	Jianhua Qin (Chinese Academy of Sciences, China) Multi-mode Analysis of Assembled 3D Tissues on Chip
16:00-16:15	Break
Chair : Daisuke Onoshima (Nagoya University, Japan)	
16:15- II-4	Jean-Christophe Galas (CNRS/UPMC, France) Morphogenesis in Molecular Systems
16:45- II-5	Atsushi Natsume (Nagoya University, Japan) Mutational Landscape and Clonal Architecture in Grade-II and III Gliomas
17:30-19:30	Banquet

December 13 (Wed)

Session III	
A01 Group Group Leader: Itaru Hamachi (Kyoto University, Japan)	
Chair : Shinya Hagihara (Nagoya University, Japan)	
9:30- III-1	Akio Ojida (Kyushu University, Japan) Selective and Reversible Covalent Modification of Non-catalytic Cysteines with Weakly Reactive α -Chlorofluoroacetamides
10:00- III-2	Evan W. Miller (University of California, Berkeley, USA) Electrophysiology, Unplugged: New Chemical Tools to Image Cellular Physiology
10:30-10:45	Break
Chair : Shigeki Kiyonaka (Kyoto University, Japan)	
10:45- III-3	Yimon Aye (Cornell University, USA) A New Signaling Axis to Downregulate DNA Synthesis
11:15- III-4	Itaru Hamachi (Kyoto University, Japan) Chemical Strategies for Endogenous Protein Labeling in Multimolecular Crowding Biosystems
11:45-	Closing Remarks Itaru Hamachi (Kyoto University, Japan)