



TOHOKU
UNIVERSITY

Tohoku Forum for Creativity Thematic Program 2018
Frontier of Chemical Communication

The 3rd International Symposium on Chemical Communication

September 10 – 11, 2018

Sendai International Center
3rd Floor, Shirakashi Conference Room

Monday, September 10

- 13:00 Opening remark
- 13:10–13:30 **IL-1 Chemistry, Biogenesis, and Biological Activity of Heronamides, Naturally Occurring Polyene Macrolactams**
Dr. Naoki Kanoh
Graduate School of Pharmaceutical Sciences, Tohoku University
- 13:30–14:30 **PL-1 From Biology Oriented Synthesis to Pseudo Natural Products**
Prof. Dr. Herbert Waldmann
Department of Chemical Biology, Max Planck Institute for Molecular Physiology, and Department of Chemistry and Chemical Biology, TU Dortmund, Germany
- Coffee break
- 14:50–15:10 **IL-2 Design of Peptide Nucleic Acid-based Fluorescent Probes for Analysis of siRNA Delivery Process**
Dr. Yusuke Sato
Department of Chemistry, Graduate School of Science, Tohoku University
- 15:10–16:00 **PL-2 Supramolecular Polymerization Driven by Specific Molecular Association**
Prof. Takeharu Haino
Department of Chemistry, Graduate School of Science, Hiroshima University
- Coffee break
- 16:20–16:50 **IL-3 Control of Packing Structure of Thienoacene-based Organic Semiconductors: Toward “Artificial Rubrene”**
Prof. Kazuo Takimiya
Department of Chemistry, Graduate School of Science, Tohoku University, and RIKEN Center for Emergent Matter Science
- 16:50–17:40 **PL-3 Supramolecular Polymers with Biomimetic Topologies**
Prof. Shiki Yagai
Institute for Global Prominent Research (IGPR), Chiba University

Tuesday, September 11

- 9:30–9:50 **IL-4 Total Synthesis of Spiromamakone A and Structure Revision of Spiroreussione A**
Dr. Hirokazu Tsukamoto
Graduate School of Pharmaceutical Sciences, Tohoku University
- 9:50–10:20 **IL-5 Protein Engineering of Smart Antibodies for Cancer Therapy**
Prof. Mitsuo Umetsu
Graduate School of Engineering, Tohoku University
- Coffee break
- 10:40–11:00 **IL-6 Single-molecule Characterization of Tumor Suppressor Protein p53 Using DNA Garden**
Dr. Kiyoto Kamagata
Institute of Multidisciplinary Research for Advanced Materials, Tohoku University
- 11:00–12:00 **PL-4 Emerging Function From Biosupramolecular Assemblies**
Prof. Nicolas Winssinger
Department of Organic Chemistry, NCCR Chemical Biology, University of Geneva, Switzerland
- 12:00 Closing remark

More details on
[http://www.tfc.tohoku.ac.jp/
program/2154.html](http://www.tfc.tohoku.ac.jp/program/2154.html)



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