



# JST Fujita ACCEL International Symposium

## Coordination Chemistry for Structural Elucidation

ICCC2018 S58 at Sendai International Center, Exhibition Building, Meeting Room 1  
August 3 (Fri) 14:15–18:05, August 4 (Sat) 9:40–11:45

### Aug 3, 2018 (Fri)

14:15 Opening Remarks

14:25 Keynote **Crystalline Sponge Method: From Origins to the Latest Advances**

Makoto Fujita The University of Tokyo

14:50 Invited **Absolute Structure, Absolute Configuration and Racemic Twinning: What the Flack Parameter Can and Cannot Tell Us**

Peter Müller Massachusetts Institute of Technology

15:10 Invited **Precise absolute structure determination for light-atom crystal structures**

Simon Parsons The University of Edinburgh

15:30 Oral **Metal-Macrocycle Framework (MMF): A Porous Crystal with Multiple Binding Pockets and Active Palladium Sites**

Shohei Tashiro The University of Tokyo

15:45 Oral **A New Work-flow for the Structure Analysis of Natural Products**

Shoukou Lee Sumitomo Dainippon Pharma Co., Ltd.

16:00 Oral **Crystalline Sponge Method Efficiently Reveals Stereo-Configurations of Beer's Bitter Acids and Their Oxides**

Yoshimasa Taniguchi Kirin Company, Limited

16:15 Coffee Break

16:45 Keynote **Advancing terpene biochemistry by the crystalline sponge method**

Jing-Ke Weng Massachusetts Institute of Technology

17:10 Oral **Bromination Improves Dramatically Structural Analyses of Aroma Compounds**

Kazuhiko Sakaguchi Takasago International Corporation

17:25 Oral **Development of crystalline sponge tag method for structural analysis of Amino acids**

Nobuhiko Hayakawa Ajinomoto Co., Inc.

17:40 Oral **Determination of substitution position of heteroatom-containing compounds by the crystalline sponge method**

Kei Nagae Nissan Chemical Corporation

17:55 Oral **Introduction to "Structure Analysis by Crystalline Sponge Method" Service of Nanotechnology Platform Program in IMS**

Kiyohiro Adachi Institute for Molecular Science

**Aug 4, 2018 (Fri)****9:40** Keynote **Functions designed in Crystalline Protein Assembly**

Takafumi Ueno Tokyo Institute of Technology

**10:05** Keynote **Molecular Borromean Rings based on Half-Sandwich Metal Fragments**

Guo-Xin Jin Fudan University

**10:30** Invited **Synthetic Molecular Wireframes Reinforce Protein Stability through Molecular Chaperone-like Structural Refolding Effects**

Daishi Fujita Kyoto University

**10:50** Oral **Structure Tuning of Metal Nanoparticle by Encapsulating within Anionic Porous Coordination Cages**

Fang Yu Texas A&amp;M University

**11:05** Invited **Encapsulation of protein in a hollow protein crystal**

Yoshikazu Tanaka Tohoku University

**11:25** Invited **Application of coordination chemistry approach to structural analysis of carbohydrate chains of biological interest**

Koichi Kato ExCELLS, IMS, Nagoya City University