

**1st International Symposium of
Soft Molecular Activation Research Center (SMARC)
August 31-September 1, 2018
1F Hall of AGSST Research Building 1
Chiba University (Nishichiba Campus)**

Program (* Invited Lecture)

August 31:

12:50–13:00 Opening address

[π -Chemistry]

Chair:

13:00–13:40* Prof. Xiaojing YANG (Beijing Normal University)

A soft-chemical synthesis of carbon nano-onion

13:40–14:10* Prof. Shinji KAWASAKI (Nagoya Institute of Technology)

Structural and Electrode Properties of Iodine Molecules Encapsulated in Single-Walled Carbon Nanotubes

14:10–14:40* Prof. Takashi YUMURA (Kyoto Institute of Technology)

Controlling properties of π -conjugated molecules inside carbon nanotubes by tuning inner molecular alignments

[Student Session]

Chair:

14:50–15:05 Sharif Md KHAN, Hiroki KITAYAMA, Yasuhiro YAMADA, Syun GOHDA, Hironobu ONO

Argyrios KARATANTOS, Qiong CAI, Tomonori OHBA (Chiba University) [π -Chemistry]

Fundamental Understandings of Molecular Interaction with

Surfaces for Carbon-Saving Technology

15:05–15:20 Chigaya SAKAI, Shingo HARADA, Tetsuhiro NEMOTO (Chiba University) [Metal Chemistry]

Gold(I)-Catalyzed Chemoselective C-H Functionalization of 2-Naphthols

15:20–15:35 Ryuta SUMIDA, Motohiro AKAZOME, Shoji MATSUMOTO

(Chiba University) [Halogen Chemistry]

Synthesis of Iodinated Thiazolo[2,3-*a*]isoquinolinium Salts

and Their Crystal Structures with/without Halogen Bond

15:35–15:50 Qiang LU and Fumio SAKANE (Chiba University) [Chemical Biology]

Abnormalities of the Serotonergic System

in Diacylglycerol Kinase δ -deficient Mouse Brain

[Chemical Biology]

Chair: Prof. Fumio SAKANE & Prof. Midori A. ARAI

16:00–16:30* Prof. Hiromichi SAKAI (Shimane University)

The Role of Diacylglycerol Kinase δ in Skeletal Muscle Glucose Metabolism and Myogenic Differentiation.

16:30–16:50 Prof. Hiroto HATAKEYAMA (Chiba University)

CTGF Knockdown Sensitizes Hyperthermia Therapy

by NIR and CuS Nanoparticles in Orthotopic Models of Ovarian Cancers

16:50–17:30* Prof. Seung Bum PARK (Seoul National University)

FITGE-Based Target Identification: New Tool in Chemical Biology

17:35–17:50 CIRIC Tour-1

(18:00–20:00 at COLZA at 1st Floor of Keyaki Hall)

September 1:

[Metal Chemistry]

Chair : Prof. Kazuhiro YOSHIDA & Prof. Shigeru ARAI

10:00–10:20 Prof. Takashi MINO (Chiba University)

Synthesis of Benzofuran Derivatives from Allylic Compounds

10:20–10:50* Prof. Hideyuki KONISHI (University of Shizuoka)

Carbon Monoxide Surrogates for Safe, Practical, and Catalytic Reactions

10:50–11:20* Prof. Suguru YOSHIDA (Tokyo Medical and Dental University)

Controlled Click Chemistry Based on Transient Protection of Strained Alkynes via Complexation with Copper

11:20–12:00* Prof. Chin-Fa LEE (National Chung Hsing University)

Recent Progress in C-S Bond Formation

12:30–13:50 **Poster Session** (and CIRIC Tour-2)

[Analysis and Reaction Sphere]

Chair: Prof. Hideki SHIROTA

14:00–14:30* Prof. Yoshifumi KIMURA (Doshisha Univ.)

Application of Ionic Liquids Composed of Formate Anion:

Nano-particle Synthesis and Carbon Dioxide Absorption

14:30–14:50 Prof. Takeshi MORITA (Chiba University)

Interaction Potential Surface between Biological Sensing Nanoparticles

[Halogen Chemistry]

Chair: Prof. Shoji MATSUMOTO & Prof. Katsuhiko MORIYAMA

15:00–15:30* Prof. Hideki AMII (Gunma University)

Recent Progress of Aromatic Difluoromethylation and the Related Reactions

15:30–16:00* Prof. Kazutaka SHIBATOMI (Toyohashi University of Technology)

Decarboxylative Halogenation: New Aspects of an Old Reaction

16:00–16:30* Prof. Yoshitaka HAMASHIMA (University of Shizuoka)

Halogenation Chemistry of Alkenes with Novel Chiral Organocatalysts

16:30–16:50 Prof. Takuya HASHIMOTO (Chiba University)

Chiral Selenium Catalysis

16:50–17:30* Prof. Ying Yeung YEUNG (The Chinese University of Hong Kong)

Recent Advances in Electrophilic Functionalizations of Olefins and Cyclopropanes