

**International Summer Seminar on Organic Chemistry
Program**

September, 3, 2021

9:55-10:00 **Opening Remarks**

Hirofumi Ueda (Tohoku University)

Chairperson (Plenary Lecture): Hirofumi Ueda (Tohoku University)

10:00-11:00 **Plenary Lecture**

Hosea Nelson (University of California, Los Angeles)

Title

Chairperson (Oral-1, Invited Lecture-1): Jun Kikuchi (Tohoku University)

11:00-11:20 **Oral-1**

Yoshiya Sekiguchi (Nanyang Technological University, Yoshikai Lab.)

Enantioselective Conjugate Addition of Catalytically Generated Zinc Homoenate

11:20-11:45 **Invited Lecture-1**

Kanako Nozawa-Kumada (Tohoku University, Kondo Lab.)

Reductive Molecular Transformations by Organic Electron Donors

11:45-13:00 Lunch

13:00-13:40 Posster Session I (Odd Number)

13:40-14:20 Posster Session II (Even Number)

Chairperson (Oral-2 to Oral-4): Atsushi Umehara (Tohoku University)

14:20-14:40 **Oral-2**

Shun Kawano (Tohoku University, Tokuyama Lab.)

Synthetic Studies on Diterpenoid Alkaloid Acochlearine

14:40-15:00 **Oral-3**

Yutong Chen (Tohoku University, Nagatsugi Lab.)

Novel reactivity modulable alkylating agents for higher-order structures of nucleic acids

15:00-15:10 **Oral-4**

Osamu Ishibashi (Tohoku University, Kuwahara Lab.)

Model study on the biosynthesis of seiridiasteriscane A

15:10-15:30 Break Time

Chairperson (Oral-5 to Oral-7): Yoshihiro Natori (Tohoku Medical and Pharmaceutical University)

15:30-15:50

Oral-5

Li Qiang-Qiang (Nanyang Technological University, Ito Lab.)

Synthesis of π -Extended Imidazoles by 1,3-Dipolar Cycloaddition

15:50-16:00

Oral-6

Masahito Hayashi (Tohoku University, Kondo Lab.)

Intramolecular C(sp²)-H amidation via nitrogen-centered-radical intermediates

16:00-16:10

Oral-7

Yutaro Hatano (Tohoku University, Hayashi Lab.)

Organocatalyst mediated asymmetric Michael reaction of malononitrile to α,β -unsaturated aldehyde

Chairperson (Invited Lecture-2): Masanori Shigeno (Tohoku University)

16:10-16:35

Invited Lecture-2

Kohsuke Kawabata (Tohoku University, Takimiya Lab.)

Near-infrared absorbing organic semiconductors incorporating acenedichalcogenophenediones

16:35-16:40

Closing Remarks

Masaru Enomoto (Tohoku University)

Poster Session

P-1: Katsuya Saito (Tohoku University, Kuwahara Lab.)

Biomimetic total synthesis of rosinone B

P-2: Yuki Tateishi (Tohoku University, Iwabuchi Lab.)

Total Synthesis of Cytotrienin A

P-3: Yurino Oku (Nihon University, Saito Lab.)

Design and photophysical properties of dual-labelled oligonucleotide probes for DNA detection

P-4: Fusheng Xu (Yamagata University, Konno Lab.)

Synthesis and evaluation of catechol derivatives as an amyloid-beta aggregation inhibitor

P-5: Wang Chang-Sheng (Nanyang Technological University, Yoshikai Lab.)

Synthesis of Polyarylpyridines via Cobalt-Catalyzed [2+2+2] Cycloaddition and Their Mechanochemical Cyclodehydrogenation

P-6: Yuto Iseya (Tohoku University, Kondo Lab.)

Palladium-catalyzed borylative cyclization of α -(2-bromoaryl)ketones to construct benzo-1,2-oxaborinin-1-ols

P-7: Kohta Ide (Tohoku University, Tokuyama Lab.)

One-Pot Method for the Construction of Bicyclic Cyclopropanes Using Photoredox-Catalyst

P-8: Hiroshi Nagazawa (Tohoku University, Tokuyama Lab.)

Development and Generality of Enantioselective Bromocycloetherification Catalyzed by Chiral Phosphoric Acid