

Organic Chemistry
Sep.28 - Sep.30, 2013
Room I

Chaired by Takayuki Doi (Tohoku University) and Yuichi Yoshimura
(Tohoku Pharmaceutical University)

Sep. 28 (Sat.)

9:00 - 9:45 **Chaired by Tetsutaro Hattori (Tohoku University)**

28I1 Masahiko Yamaguchi (Tohoku University, Japan)
 "Synthesis and Function of Helical Organic Molecules"

9:45 - 10:30 **Chaired by Hirokazu Tsukamoto (Tohoku University)**

28I2 Chun-Cheng Lin (National Tsing Hua University, Taiwan)
 "Chemical and Enzymatic Syntheses of Carbohydrate Oligomers"

10:30 - 10:45 Break

10:45 - 11:15 **Chaired by Haruhisa Kikuchi (Tohoku University)**

28I3 Satoshi Ichikawa (Hokkaido University, Japan)
 "Liponucleoside Natural Products: Synthesis and Structure-Activity
 Relationship"

11:15 - 12:00 **Chaired by Takayuki Doi (Tohoku University)**

28I4 Kyeong Lee (Dongguk University-Seoul, Korea)
 "Targeting Tumor Microenvironment for Anticancer Therapeutics Using Small
 Molecule HIF Inhibitors"

13:00 - 13:4 **Chaired by Satoshi Ichikawa (Hokkaido University)**

28I5 Lak Shin Jeong (Ewha Womans University, Korea)
 "Stereoselective Synthesis of Biologically Active Carbocyclic Nucleosides"

13:45 - 14:15 **Chaired by Yuichi Yoshimura (Tohoku Pharmaceutical University)**

28I6 Yoshio Saito (Nihon University, Japan)
 "Design and Synthesis of Environmentally Sensitive Fluorescent (ESF)
 Purine Nucleosides"

14:25 - 15:25 **Chaired by Hidetoshi Tokuyama (Tohoku University)**

28I7 Amos B. Smith, III (University of Pennsylvania, USA)
 "Evolution of Anion Relay Chemistry (ARC): Design, Synthesis and Validation
 of Recoverable Siloxane-Based Transfer Agents for Palladium-Catalyzed
 Cross-Coupling Reactions"

15:30 - 17:00 Poster Session

Sep. 29 (Sun.)

9:00 – 9:30 Chaired by Hiromasa Kiyota (Tohoku University)

29I1 Haruhiko Fuwa (Tohoku University, Japan)
“Total Synthesis and Biological Evaluation of Marine Macrolide Natural
Products”

9:30 – 9:45 Chaired by Yoshio Saito (Nihon University)

29I2 Tomoko Fujino (Tohoku University, Japan)
“Triazole-linked DNA as a Primer Surrogate in the Synthesis of First-strand
cDNA”

9:45 – 10:00 Chaired by Itaru Sato (Tohoku University)

29I3 Atsushi Kobayashi (Tohoku University, Japan)
“Enzymatic Introduction of Oligosaccharide into Protein via the Amadori
Rearrangement”

10:05 – 10:50 Chaired by Naoki Kanoh (Tohoku University)

29I4 John L. Wood (Baylor University, USA)
“Recent Progress in the Synthesis of Complex Natural Products”

11:00 – 12:30 Poster Session

Sep. 30 (Mon.)

9:00 – 9:45 Chaired by Hiroyuki Isobe (Tohoku University)

30I1 Shunsuke Chiba (Nanyang Technological University, Singapore)
“Synthesis of Azaheterocycles by Catalytic Redox Molecular Transformation”

9:45 – 10:30 Chaired by Yoshiharu Iwabuchi (Tohoku University)

30I2 Yujiro Hayashi (Tohoku University, Japan)
“Pot-Economy in Total Synthesis”

10:30 – 12:00 Poster Session