



Mini-Symposium on Organic Chemistry

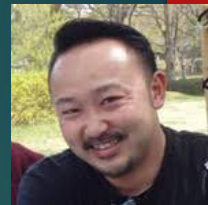
2022 September 21 and 26, Sawai Hall

(Day 1) September 21st 12:50 – 17:00

12:50 – 13:00 Opening remark Prof. Shuji Akai

13:00 – 14:00

Chair: Prof. Haruyasu Asahara



Tomoya Nishio, Shin Yoshioka, Kai Hasegawa, Kenzo Yahata, Kyohei Kanomata, Shuji Akai

Direct Nucleophilic Substitution of Alcohols Using an Immobilized Oxovanadium Catalyst

Yuki Wada, Tsunayoshi Takehara, Takeyuki Suzuki, Kenichi Murai, Makoto Sako, Mitsuhiro Arisawa

Cross-coupling reaction between 1,4-naphthoquinone and NHC ligands on ruthenium benzylidene complexes via intramolecular C(sp³)-H bond activation

Atsushi Kimishima, Rei Nagata, Yujin Takeshita, Masayoshi Arai

Chemical synthesis of trichodermamides prompts the structure revision of trichodermamide E



14:15 – 15:15

Chair: Prof. Kenichi Murai

Kosuke Miyata, Takashi Osawa, Satoshi Obika

Synthesis and properties of oligonucleotides including a 2',4'-methylthioimidate bridged nucleic acid

Atsushi Kimishima, **Hiroki Kato**, Keijin Nakaguro, Masayoshi Arai

Single-step construction of an acetoxypyrroloindole skeleton via tandem iodocyclization/acetoxylation of indoles

Kyohei Kanomata, Jihoon Moon, Takusho Kin, Shuji Akai

Pickering emulsion-assisted Dynamic kinetic resolution using lipase/sulfonic acid co-catalyst

15:30 – 17:00 Chair: Prof. Shuji Akai

Special lecture by Prof. Kazushi Mashima

Specially Appointed Professor, Osaka University

Metal Cluster Catalysts for Chemical Transformations of Esters and Amides



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2022 September 21 and 26, Sawai Hall

(Day 2) September 26th 13:00 – 17:10

13:00 – 14:00

Chair: Prof. Takao Yamaguchi



Taiki Akino, Takashi Osawa, Satoshi Obika

Synthesis and properties of oligonucleotides modified with amide-linked dinucleotides containing a 3',4'-bridged nucleic acid

Satoshi Horino, Tomoya Nishio, Shinji Kawanishi, Shinya Oki, Koichi Nishihara, Takashi Ikawa, Kyohei Kanomata, Karla Wagner, Harald Gröger, Shuji Akai

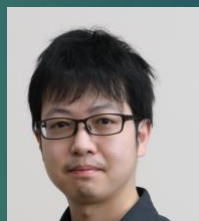
Application expansion of DKR method with lipase and oxovanadium catalyst

Masaharu Takatsuki, Yuta Chikashige, Hiroshi Aoyama, Tsunayoshi Takehara, Takeyuki Suzuki, Kenichi Murai, Mitsuhiro Arisawa, **Makoto Sako**

"Au-catalyzed intramolecular cyclization of bicyclobutane derivatives" and "design, synthesis, and evaluation of novel chiral borinic acid catalysts"

14:15 – 15:00

Chair: Prof. Yoshinari Sawama



Jiawei Qiu, Makoto Sako, Tomoyuki Tanaka, Tsuyoshi Matsuzaki, Tsunayoshi Takehara, Takeyuki Suzuki, Shohei Ohno, Kenichi Murai, Mitsuhiro Arisawa

Development of Iridium-Catalyzed Isomerization/Cycloisomerization/Aromatization: One-Pot Synthesis of Substituted Indole Derivatives

Takashi Osawa, Ryosuke Kita, Qin Ren, Satoshi Obika

Development of new synthetic methods for conjugated oligonucleotides

15:15 – 17:00 Chair: Prof. Shuji Akai

Special lecture by Prof. Harald Gröger

Faculty of Chemistry, Bielefeld University



17:00 – 17:10 Closing remark Prof. Shuji Akai

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