

Program : Poster Presentations

May 24 (Tue)

12:50-14:10

- P2-01 **Jun Terao, Kyohei Homma, Tetsuaki Fujihara, Yasushi Tsuji**
The Establishment of Wiring Methods Utilizing Organic Reactions between Nanosized Gaps
- P2-02 **Makoto Torihata, Youhei Yasuda, Taniyuki Furuyama, Hajime Maeda, Masahito Segi**
Novel Synthetic Approach to 4'-Selenonucleoside Derivatives via Cycloaddition of Selenoaldehydes Followed by Stereospecific Ring Contraction
- P2-03 **Jacek Ścianowski, Agata J. Pacuła, Anna Banach, Julianna Mruk**
Application of Chalcogen Terpenyl Ylides in Asymmetric Epoxidation
- P2-04 **Agata J. Pacuła, Jacek Ścianowski, Magdalena Obieziursk, Katarzyna Kaczor, Jędrzej Antosiewicz**
Antioxidant and Anticancer Properties of *N*-Alkyl Benzisosenazolone Derivatives
- P2-05 **Santanu Mondal, Govindasamy Mugesh**
Selenium Mediated Dehalogenation of Thyroid Hormones and Halogenated Nucleosides
- P2-06 **G. Chakrabarty, G. Mugesh**
Water Soluble Selenium Reagents for the Catalytic Denitrosylation of S-Nitrosothiols
- P2-07 **Mamoru Tobisu, Yoshihiro Masuya, Katsuaki Baba, Naoto Chatani**
Palladium(II)-Catalyzed Synthesis of Dibenzothiophene Derivatives via the Cleavage of Carbon-Sulfur and Carbon-Hydrogen Bonds
- P2-08 **Jiajie Yan, Jia-fei Poon, Vijay P. Singh, Paul Gates, Lars Engman**
Tellurium-based Thiophenolic Radical-Trapping Antioxidants
- P2-09 **Toshiaki Murai, Tomohiko Mizutani, Hiroaki Kubuki, Akihito Yoshida, Fumitoshi Shibahara**
Synthesis and Properties of 2-selenopyrones and their Derivatives
- P2-10 **Martina Palomba, Claudio Santi, Luana Bagnoli, Francesca Marini**
Vinyl Selenones as Useful Reagents for the Synthesis of *Drug-like* Molecules
- P2-11 **Francesca Mangiavacchi, Bruno Cerra, Valentina Mancino, Claudio Santi, Serena Mostarda, Antimo Gioiello**
Selenium-mediated Oxidation of Alkenoic Acids Under Flow Conditions
- P2-12 **Mariana Gallio Fronza, Manoela do Sacramento, Lucimar Marques Pinto, Angela Casaril, Diego Alves, Lucielli Savegnago**

Involvement of Serotonergic System in the Antidepressant-like Effect of Selanyl-triazoyl-5-anisoyl Carbonitrile Based in Virtual Screening and Experimental Validation

- P2-13 **Filipe Penteado, Samuel Thurow, Eder J. Lenardão**
Selenium Dioxide in the Controlled Synthesis of Mono- and Bis-sulphenylindoles
- P2-14 **David Borba Lima, Mariana Costa Ferraz, Eder João Lenardão**
Synthesis of Semi-synthetic Nitrones Containing Organochalcogen
- P2-15 **Mariola Zielińska-Blajet, Joanna Najdek, Ewa Zboińska**
Chiral *Cinchona* Alkaloid-derived Selenoureas: Synthesis, Catalytic and Biological Investigations
- P2-16 **Masayuki Iwasaki, Natsumi Miki, Yuta Tsuchiya, Wataru Kaneshika, Kiyohiko Nakajima, Yasushi Nishihara**
Chelate-Assisted Direct Selenation of Aryl C–H Bonds with Diselenides and Elemental Selenium Catalyzed by Palladium and Nickel
- P2-17 **Takanori Iwasaki, Vutukuri Prakash Reddy, Renhua Qiu, Nobuaki Kambe**
Catalytic C–H bond Functionalization Using Dichalcogenides and Chalcogenophenes
- P2-18 **Asami Tarao, Aya Niki, Shinsuke Komagawa, Kenji Arimitsu, Hitomi Uchimoto, Ikuo Kawasaki, Kentaro Yamaguchi, Kiyoharu Nishide**
A Highly Regio- and Stereoselective Selenoxide Elimination of 1,2-Bis[4-(trimethylsilyl)phenylseleno]alkanes to Give (*E*)-Alkenyl Selenoxides and its Mechanistic Study
- P2-19 **Yuta Hiyoshi, Michio Iwaoka**
Functionalization of *trans*-3,4-Dihydroxyselenolane (DHS) by Seleno-Pummerer Rearrangement
- P2-20 **Takuya Maeda, Yu Nagase, Michio Iwaoka**
Synthesis of Redox-Active Copolymer Containing Cyclic Selenide Units
- P2-21 **Shingo Shimodaira, Natsuki Babe, Toshiki Takei, Hironobu Hojo, Michio Iwaoka**
Modeling a GPx Catalytic Tetrad by Using Short Selenopeptides
- P2-22 **Takashi Go, Mitsuhiro Yoshimatsu**
Sulfanyl and Selanyl 1,6-Diyne Cyclization Triggered by Hydroaminations
- P2-23 **Yuka Kobayashi, Mitsuhiro Yoshimatsu**
Nucleobase-Promoted Cyclization of Sulfanyl and Selanyl 1,6-Diyne
- P2-24 **Kenta Arai, Haruhito Ueno, Michio Iwaoka**
Novel Selenium-containing Cyclic Compounds as an Oxidative Protein Folding Reagent
- P2-25 **Junpei Shimabukuro, Hisayoshi Makyio, Tatsuya Suzuki, Hiromune Ando, Hideharu Ishida, Ryuichi Kato, Makoto Kiso**

Seleno-fucoses: Synthesis and Application for X-ray Structural Analysis of *Aspergillus Oryzae* Lectin, AOL

P2-26 **Ryutaro Kimura, Shohei Sase, Kei Goto**

Synthesis and Reactivity of a Primary-Alkyl-Substituted Selenenic Acid Stabilized by a Large Cavity-Shaped Molecular Framework

P2-27 **Satoshi Noda, Chihiro Ide, Shohei Sase, Kei Goto**

Efficient Synthesis of Rotaxanes by Taking Advantage of the Characteristic Reactivity of Selenenyl Sulfides

P2-28 **Ueno Haruhito, Kenta Arai, Michio Iwaoka**

Mimicking of Bioredox Phenomena in Endoplasmic Reticulum by Using a Water-soluble Cyclic Diselenide as Models of Disulfide Oxidoreductases

P2-29 **Hiroki Watanabe, Noriyuki Suzuki, Tomohiro Doura, Yasumitsu Ogra**

Development of Fluorescent Probe for Reactive Oxygen Species Based on Selenium Redox Reaction

P2-30 **Hayata Fukuo, Tatsuya Suzuki, Hiromune Ando, Akihiro Imamura, Hideharu Ishida, Makoto Kiso**

Novel Synthetic Method for Seleno-glycosides Based on Transacetalization Reaction

P2-31 **Honoka Ikuta, Ryuta Tobe, Yuu Hirose, Shigeki Saito, Hirotaka Tajima, Tejo Prakash, Hisaaki Mihara**

Analysis of Tellurate Reduction in *Bacillus* sp. NTP-1

P2-32 **Ryuta Tobe, Yuu Hirose, Isana Nada, Shigeki Saito, Hirotaka Tajima, Tejo Prakash, Hisaaki Mihara**

Characterization and Genome Analysis of *Cellulomonas* sp. D3a, a Selenium and Tellurium Oxyanions-Reducing Bacterium

P2-33 **Atsuki Shimizu, Satoru Hagita, Ryuta Tobe, Takashi Tamura, Tejo Prakash, Hisaaki Mihara**

Identification of Selenium Delivery System for Selenophosphate Synthetase in Bacteria

P2-34 **Koichi Endo, Noriyuki Suzuki, Tomohiro Doura, Yasumitsu Ogra**

Synthetic Study of a Novel Organoselenium Compound "Selenoneine"

P2-35 **Anna Jaromin, Magdalena Pietka-Ottlik**

Preparation and Evaluation of Emulsion Carriers for Ebselen Topical Application

P2-36 **Magdalena Pietka-Ottlik, Katarzyna Bem**

Exploring Polymeric Micelles for Improved Delivery of Benzisosenazol-3(2*H*)-ones

P2-37 **Jamal Rafique, Sumbal Saba, Alex R. Schneider, Antonio L. Braga**

N-Halosuccinimide-Promoted, Solvent Free Sulfur- and Seleno-Functionalization of Olefins at Room Temperature

P2-38 **Yuuki Maekawa, Toshiaki Murai**

Diastereoselective Synthesis of Chiral Phosphonoselenoates Having a Binaphthyl Group

May 26 (Thu)

12:20-13:40

- P4-01 **Osamu Otsuka, Masashi Kuroda, Michihiko Ike, Mitsuo Yamashita**
Optimization of Dimethyl Diselenide Synthesis by *Pseudomonas Stutzeri* NT-I
- P4-02 **Mio Matsumura, Kohki Shibata, Hanae Kumagai, Sota Ozeki, Mizuki Yamada, Naoki Kakusawa, Shuji Yasuike**
Synthesis of Diaryl Selenides: Copper-Catalyzed *Se*-Arylation of Diaryl Diselenides with Triarylbismuthanes
- P4-03 **Nobukazu Taniguchi**
Convenient Synthesis of Unsymmetrical S-S and S-Se bonds Using Chalcosulfonates
- P4-04 **Beena G. Singh, Pavitra V. Kumar, Vimal K. Jain, Michio Iwaoka, K. Indira Priyadarsini**
Tuning the Electron Transfer Properties of Selenium Compounds through Gold Nanoconjugates
- P4-05 **Bonifacio Monti, Luca Sancineto, Luana Bagnoli, Francesca Marini, Eder J. Lenardão, Claudio Santi**
Ultrasound-promoted Se-Se bond Cleavage and "on water" Reactions
- P4-06 **Daisuke Taguchi, Makoto Saikawa, Takashi Nakamura, Tatsuya Nabeshima**
Synthesis and Properties of BODIPYs Containing Selenophene
- P4-07 **Yuki Taniguchi, Tsuyoshi Kawai, Takuya Nakashima**
Self-Assembly of CdSe Nanorods and Tetrapods through Tip-to-Tip Interactions in Water
- P4-08 **Tesla Yudhistira, David G. Churchill**
Selenium Containing Fluorophores for Reactive Oxygen Species Detection
- P4-09 **Hiroyoshi Sugino, Kazuki Niimi, Tatsuya Yamamoto, Kazuo Takimiya**
Synthesis, Structures, and OFET Properties of Selenophenoselenophene Derivatives
- P4-10 **Jamal Rafique, Sumbal Saba, Antonio L. Braga**
Regioselective, Solvent- and Metal-free Chalcogenation of Imidazo[1,2-*a*]pyridines Employing I₂/DMSO as an Eco-friendly Catalytic Oxidation System
- P4-11 **Toshio Shimizu, Kanako Akutsu, Kazunori Hirabayashi**
Synthesis and Properties of Macrocycles Possessing Multiple Disulfide Units
- P4-12 **Osamu Niyomura, Dai Sawayanagi, Risa Mizuno**
Synthesis, Structure and Complexation Properties of *Se*-Imidazo[1,5-*a*]pyridyl Selenocarboxylates
- P4-13 **Alexandra Pop, Anca Silvestru, Clement Bellini, Yann Sarazin**
Group 12 Metal Complexes with Organoselenium Ligands

- P4-14 **Momoko Michibata, Kandhan Satheeshkumar, Harkesh B Singh, Michio Iwaoka**
Synthesis of Heavy Metal Complexes of Selenocysteine Derivatives
- P4-15 **Kanako Wada, Yuri Kuwana, Naoyuki Suzukawa, Takashi Kashiwaba, Mao Minoura, Yohsuke Yamamoto**
Synthesis of Hypervalent Tellurium Compound with New Soluble Spherand
- P4-16 **Anca Beleaga, Denes Eleonora, Cristian Silvestru**
New Organotellurium(IV) Compounds with N→Te Intramolecular Interactions
- P4-17 **Akihisa Ooizumi, Masato Sakabe, Koh Funahashi, Yosuke Takeuchi, Wataru Fujita, Yuji Sugibayashi, Satoko Hayashi, Waro Nakanishi, Soichi Sato**
Synthesis and Structure of Hexacoordinated Chalcogenonium Salts Bearing 2-Phenylpyridine Ligands
- P4-18 **Naoki Shida, Yusuke Komatsuzaki, Dwight Seferos, Hiroki Nishiyama, Ikuyoshi Tomita, Shinsuke Inagi**
Electrochemical Transformation of Diaryltellurophenes
- P4-19 **Kenta Okazaki, Tsukasa Nakahodo, Hisashi Fujihara**
Marriage of Dicationic Selenurane with Metal Nanoparticles
- P4-20 **Kazuaki Shimada, Hironori Izumi, and Toshinobu Korenaga**
A Novel Short-Step Synthesis of Quinoline-2(1H)-chalcogenones and their Conversion into the Corresponding Isoquinolinones
- P4-21 **Yuichiro Mutoh, Ayumi Suzuki, Takahiro Arai, Kota Ikenaga, Youichi Ishii, and Shinichi Saito**
A Half-Sandwich Ruthenium Complex with Tellurocarbonyl Ligand
- P4-22 **Kazuaki Shimada, Yusuke Taneichi, Toshinobu Korenaga**
Total Synthesis of Onychine *via* Hetero Diels-Alder Reaction of Isotellurazole
- P4-23 **Kohei Nonaka, Tomoki Okuhata, Tetsuro Katayama, and Naoto Tamai**
Femtosecond Spectroscopic Study on Exciton Dynamics and Carrier Transfer in CdSe/CdS Core-Shell Quantum Dots – Effect of Shell Thickness –
- P4-24 **Elena A. Chulanova, Nikolay A. Pushkarevsky, Nina P. Gritsan, Jens Beckmann, Sergey N. Konchenko, Andrey V. Zibarev**
Beginning Chemistry of 2,1,3-Benzochalcogenadiazolidyls (Chalcogen: S, Se, Te)
- P4-25 **Kouta Sugiura, Tatsuya Kameyama, Susumu Kuwabata, Tsukasa Torimoto**
Tunable Photoluminescence of ZnTe-AgInTe₂ Solid Solution Nanocrystals in Near-Infrared Light Wavelength Region
- P4-26 **Wataru Setaka**
Synthesis and Structure of a Selenophene-bridged Macrocage as a Molecular Gyrotop
- P4-27 **Satoko Hayashi and Waro Nakanishi**

Orientational Effect on ^{77}Se NMR Chemical Shifts in 9-(Arylselanyl)tripticenes with the Conformers

P4-28 **Yuki Sato, Shin-ichi Kawaguchi, Akihiro Nomoto, Akiya Ogawa**

Highly Selective Introduction of Group 15 and 16 Heteroatoms into Terminal Alkynes Leading to Bifunctional Alkenes

P4-29 **Shinya Higashimae, Taichi Tamai, Megumi Yoshikawa, Akihiro Nomoto, Akiya Ogawa**

Markovnikov-Selective Hydroselenation of *N*-Vinyl Lactams with Selenols Catalyzed by Palladium Diacetate

P4-30 **Yuko Suzuki, Koh Sugamata, Takahiro Sasamori, Norihiro Tokitoh**

Attempted Synthesis of Selenium- and Tellurium-substituted Germylenes Bearing a Bulky Ferrocenyl Group

P4-31 **Hideaki Miyake, Tomoyuki Tajima, and Yutaka Takaguchi**

Light Absorption Character of π -Conjugated Compounds Bearing Thiocarbonyl Groups and Attempted Synthesis of their Selenium Analogues

P4-32 **Norio Nakata, Chika Shibata, Akihiko Ishii**

Synthesis and Reactivity of 16-Electron Iridium(III) Complex Having a 9-Triptyceneselenolato Ligand

P4-33 **Koichiro Miyazaki, Takuji Kawamoto, Akio Kamimura**

Radical Substitution Reaction on Selenium and Sulfur Using Radical Cascaded

P4-34 **Takanori Nishida, Shinya Ohta, Koji Nishimura, Yuki Miyake, Akihiro Orita**

Synthesis of V-shaped Eight-membered Cyclic Vinylsulfones and Their Photoluminescence

P4-35 **Tomoihiro Sugahara, Takahiro Sasamori, Norihiro Tokitoh**

Chalcogenation of Stable Cyclic Digermenes

P4-36 **Yutaka Ie, Nana Kawaguchi, Kazunari Tanaka, Yoshio Aso**

Synthesis and Monolayer Evaluation of Tripodal Compounds with Selenophene or Selenol as Anchoring Functional Groups for Single-Molecule Electronics

P4-37 **Akihiro Orita, Feng Xu, Takanori Nishida, Hiroyuki Tsujii**

Syntheses of Unsymmetrically Substituted Sondheimer-Wong Dienes

P4-38 **Kirara Yamaguchi, Toshiaki Murai**

5-Aminoselenazoles : Synthesis, Photophysical and Electrochemical Properties