Aug. 27 (Tue)

Room A

11:40-14:00 ***Poster Session A***

11:40-12:30 ***odd numbers***

13:10-14:00 ***even numbers***

PA01 **Satoe Iijima, Takuya Nakamura, Yoshiro Kondo, Satoko Suzuki, Kengo Yoshida**
Structural Analysis of Chiral Samples with Multiple Asymmetric Carbons by Semi-preparative LC, ECD, and VCD

PA02 **Hiroakira Den, Hiroyuki Ando, Takafumi Onishi, Atsushi Ohnishi**
The chiral separation ability of a new immobilized amylose-type column (CHIRALPAK® IN)

PA03 **Hideki Motoda, Tomotaka Mizuguchi, Atsushi Ohnishi**
Enantiomer Separation of D/L-monosaccharides by Polysaccharides-based Chiral Columns

PA04 **Nobuhiro Kawahara, Akari Yamamoto, Yuichi Fujioka, Satoshi Shinkura, Tohru Shibata, Atsushi Ohnishi**
Establishment of LCMS conditions for a crown ether-based chiral stationary phase, CROWNPACK® CR-I.

PA05 **Yusuke Masuda, Yasuhiro Funada, Ryo Kubota**
Improving Efficiency of the Method Development Workflow for Chiral Separation Using Supercritical Fluid Chromatography

PA06 **Natsuki Iwata, Manami Kobayashi**
Development of Sensitive and Simultaneous Determination Method for Thirty-Seven D/L-Amino Acids by Automatic Pre-column Derivatization with Chiral Thiol Using UHPLC

PA07 **Takanari Hattori, Yasuko Shibayama, Ryo Yamaguchi, Natsuyo Asano**
Simple Profiling of Underivatized Chiral Amino Acids in Foods using Liquid Chromatography-Single Quadrupole Mass Spectrometer

PA08 **Yue Li, Jie Zhang, Xinhua Wan**
Synthesis of proline-derived helical copolyacetylenes as chiral stationary phases for HPLC enantioseparation

PA09 **Magdaléna Labíková, Jiří Svoboda, Andrea Carotti, Alessandro Di Michele, Roccaldo Sardella, Wolfgang Lindner, Michal Kohout**
A deep dive into chiral cation exchangers through molecular dynamics

PA10 **Sara Grecchi, Serena Arnaboldi, Filippo Malacarne, Roberto Cirilli, Tiziana Benincori**
Miniaturized tubular devices for wireless chiral resolution

PA11 **Michal Sawczyk, Nicholas A. Kotov**
Hedgehog-Shaped Superstructures with Multiscale Chirality for the Separation of Biomolecules from Complex Systems

PA12 **Keiyo Nakai, Kuniyoshi Miki, Takashi Kikuchi, Hiroyasu Sato, Takashi Matsumoto, Takato Ishida, Kaoru Kinoshita, Hiroaki Sasaki, Trianda Ayuning Tyas, Junichi Tanaka, Takahiro Jomori, Mitsuhisa Yamano**
Rapid determination of the absolute configuration about various natural products using 3D ED/MicroED

PA13 **Qihang Gong, Takuya Nakanishi, Kenta Nakagawa, Yusuke Yamauchi, Toru Asahi**
Chiral Discrimination between Phenylalanine Enantiomers by Homocysteine-modified Mesoporous Gold Electrodes

PA14 **Shunsuke Takano, Takuya Nakanishi, Keigo Tokita, Kenta Nakagawa, Toru Asahi**
Distorted Molecular Order and Reversal Dynamics in Frustrated Droplet

PA15 **Zikkawas Pasom, Chularat Wattanakit, Alexander Kuhn**
Tuning Electrocatalytic Activity at Mesoporous Metal Surfaces via Chiral-Induced Spin Effect

PA16 **Natsuki Mukai, Muneto Nitta, Andrey O. Leonov**
Static properties and building mechanisms of bimeron “clusters” in two-dimensional chiral magnets

PA17 **Tsunehisa Kimura, Ryoma Kimura**
Chiral Interactions between Molecules

PA18 **Arunkumar Bupathy, Darian Hall, Gerardo Campos-Villalobos, Rodolfo Subert, Ivan I. Smalyukh, Marjolein Dijkstra**
Machine Learning Potentials to Model Interacting Knots in Chiral Matter

PA19 **Maciej Bagiński, Dorota Szepke, Martyna Wasiluk, Wiktor Lewandowski**
Liquid crystalline plasmonic thin films with dynamic tunability and moldability

PA20 **Olga Guselnikova, Joel Henzie, Pavel Postnikov, Martin Martau, Iliyana Samardzhieva, Malcolm Kadodwala, Affar Karimullah, Yusuke Yamauchi**
Light-Matter Interactions in Chiral Mesoporous Plasmonic Shurikens

PA21 **Vera A. Kuznetsova, Alain Kadar, Anita A. Gaenko, Engin Er, Tao Ma, Kody Whisnant, Jessica Ma, Bing Ni, Ji-Young Kim, Yurii K Gun'ko, Nicholas A. Kotov**
Complex Chiral Nanodendrimers and Graph-Property Relationships for Chiroptical Activity

PA22 **Wenfeng Jiang, Yongfeng Zhou**
Hierarchically Organized Particles with Chiral Macropores

PA23 **Giang Minh Thanh Truc, Hadonahalli Munegowda Shashanka, Katsuya Inoue**
Crystal Growth of Layered Chiral Inorganic Magnets Using Chemical Transport Method

PA24 **Asha Kumari, Ivan I. Smalyukh, Jun-Yong Lee, Narumi Toda, Ryuichi Hirota, Ye Yuan**
Topology in non-equilibrium soft solitonic materials and live biological systems

PA25 **Jun-Yong Lee, Asha Kumari, Ye Yuan, Ivan I. Smalyukh**
The structural and dynamic behavior of topological colloids in chiral nematics

PA26 **Xia Wang, Binghai Yan, Claudia Felser**
In-situ spin-polarized electrons at intrinsic chiral metallic active sites for high-performance water-splitting

PA27 **Victor Ukleev, Chen Luo, Radu Abrudan, Aisha Aqeel, Sina Mehboodi, Christian H. Back, Florin Radu**
Chiral surface spin textures in Cu_2OSeO_3 unveiled by soft x-ray scattering in reflection geometry

PA28 **Victor Ukleev, Priya Ranjan Baral, Jonathan S. White, Oleg I. Utesov, Luana Caron**
Skyrmion lattice and helical spin waves in the *B*20 chiral magnet $Cr_{0.82}Mn_{0.18}Ge$

PA29 **Jakub J. Zakrzewski, Junhao Wang, Kunal Kumar, Hiroko Tokoro, Shin-ichi Ohkoshi, Szymon Chorazy**
Polar lanthanide–copper cyanido-bridged frameworks: towards NIR emission, single-ion magnetic anisotropy, and second harmonic generation

PA30 **Nazanin Kordestani, Elizabeth A. Hillard, Patrick Rosa, Elen Duverger-Nédellec, Philippe Sainctavit, Marie-Anne Arrio, Amélie Juhin, James Ablett, Fabrice Wilhelm, Andrei Rogalev**
X-ray Circular Dichroism: A powerful element- and orbital-selective chiroptical spectroscopy

PA31 **M. Di Girolamo, J. A. F. Wade, S. Heutz, M. J. Fuchter**
Materials and Methods for Chiral Induced Spin Selectivity

PA32 **Keigo Tokita, Kenta Nakagawa, Zhang Kun, Komei Okano, Masataka Matsumoto, Takuya Nakanishi, Masaki Fujita, Toru Asahi**
Measurement of optical anisotropy of $Bi_{2-x}Pb_xSr_2CaCu_2O_{8+\delta}$ using the generalized high-accuracy universal polarimeter

PA33 **Camelia Dutta, Jatish Kumar**
Unraveling the Origin of Chiral Emission in Optically Active Atomically Precise Metal Clusters

PA34 **Gabriela Handzlik, Katarzyna Rzepka, Matteo Atzori, Michał Magott, Wataru Kosaka, Hitoshi Miyasaka, Dawid Pinkowicz**
Coupling chirality with magnetism in lanthanide-helicene complexes

PA35 **Yingying Duan**
Spin Chiral Anisotropy of Chiral Mesostructured Inorganic Materials

PA36 **Andrei Rogalev**
X-ray Magnetochiral Dichroism – an Elements Selective Probe of Magnetoelectric Coupling

PA37 **Satoko Suzuki, Akio Kaneta, Anas Santria, Hiroyuki Nishikawa, Yoshitane Imai, Ken-ichi Akao, Naoto Ishikawa**
Highly efficient MCPL measurement by newly developed HTMCPL system

PA38 **Yuu Iwasaki, Tsuneomi Kawasaki**
Monodeuterated chiral benzhydrylamines induced enantioselective Strecker synthesis with enhancement of solid-state chirality: Solubility difference between the chiral substitutional isotopomers

PA39 **Soushi Ikezaki, Shun Kono, Chihiro Kase, Tsuneomi Kawasaki**
Reversal of enantioselectivity in CPL-induced amplification of chiral aminonitrile by changing the wavelength of left- and right-handed irradiations

PA40 **Tomohiro Ogawa, Daisuke Tateishi, Kenta Suzuki, Kenso Soai, Tsuneomi Kawasaki**
Asymmetric addition of diisopropylzinc to the chirally crystallized achiral pyrimidine-5-carbaldehyde followed by asymmetric autocatalysis with amplification of ee

PA41 **Naoki Yasukawa, Hidenori Andatsu, Yuto Terashima, Rio Kawamura, Yoichiro Matsuda, Shuichi Nakamura**
Enantioselective synthesis of 2,3-dihydro-4-quinolones with chiral tetrasubstituted carbon from isatins and 2'-aminoacetophenones

PA42 **Kazuki Ogura, Shota Ando, Shuichi Nakamura**
Organocatalytic Asymmetric Access to Chiral 4-Imidazolones with *N*-Silyl Iminoesters and *N*-Unprotected Ketimines

PA43 **Tomoya Mayumi, Chino Igarashi, Hiromichi Egami, Yoshitaka Hamshima**
Asymmetric Fluorocyclization of Difluoroalkenes with Concomitant Formation of a Trifluoromethyl Group

PA44 **Kenji Yamashita, Ryo Hirokawa, Yuki Nakahara, Shotaro Uchida, Yoshitaka Hamashima**
Enantioselective Bromocyclization Reactions Enabled by Lewis/Brønsted Base Concerted Catalysis of Chiral Bisphosphine Oxide

PA45 **Eunsol Choi, Kiyotaka Hiyoshi, Shunsuke Kotani, Makoto Nakajima**
Asymmetric aldol-type reaction between esters and ketones mediated by phosphine oxide catalyst and trichlorosilyl triflate

PA46 **Dino Berthold**
About the journey towards a Ni-catalyzed, atroposelective Negishi cross-coupling reaction and the unexpected discovery of solid higher-order zincates

PA47 **Tomohiko Shirai**
Cationic Iridium-Catalyzed Asymmetric Hydroarylation of Bicyclic Alkenes via C–C Activation

PA48 **King Hung Nigel Tang, Taichi Kishi, Takanori Shibata**
Enantio- and Regioselective [2 + 2 + 2] Cycloaddition of 1,7-Enynes to Construct the Benzo[*c*]chromen-1-ol Backbone: Access to Axially Chiral Cannabinoid Bioisostere

PA49 **Takaaki Yajima, Akito Katayama, Tsubasa Ito, Takuma Kawada, Kenya Yabushita, Toshihisa Yasuda, Takeshi Ohta, Takeaki Katayama, Noriyuki Utsumi, Yoshihito Kayaki, Shigeki Kuwata**
Efficient Synthesis of Unprotected Unnatural α-Amino Acids by Asymmetric Reductive Amination of α-Keto Acids Using Chiral Iridium Hydrogen Transfer Catalysts

PA50 **Tomoka Yasue, Yunhao Song, Michinori Suginome, Takeru Torigoe, Toshimichi Ohmura**
Iridium-Catalyzed Asymmetric Hydroalkenylation of Norbornenes with Vinylarenes or Ethylarenes: Remarkable Temperature Effects on Enantioselectivity

PA51 **Tatsuhiro Uchikura, Sotaro Kato, Yudai Makino, Masahiro Yamanaka, Takahiko Akiyama**
Chiral Phosphoric Acid-Palladium(II) Complex Catalyzed Asymmetric Desymmetrization of Biaryl Compounds by C(sp^3)–H Activation

PA52 **Erin Hayashi, Tetsuji Fujii, Gouki Makado, Tsuyoshi Kawai, Tsumoru Morimoto**
New Asymmetric Hydroformylation Reactions with Formaldehyde

PA53 **Kakeru Masaoka, Haruka Taue, Masayuki Wakioka, Yasuhiro Ohki, Masamichi Ogasawara**
Molybdenum-Catalyzed Enantioselective Metathesis Dimerization/Desymmetrization of C_s-Symmetric Divinylferrocenes

PA54 **Minoru Hayashi, Yoshiki Nakashima, Kensaku Ashiba, Hayato Sasaki, Hidetoshi Ohta**
P-Chiral Phosphine Synthesis and Its Application to Stereo-controlled Macrocyclic Phosphine Synthesis

PA55 **Keitaro Kato, Shousuke Miki, Naoki Ishida**
Dehydrogenative Coupling of Thiols with Aldehydes Retaining the Stereochemical Integrity of the α-Chiral Centers

PA56 **Masato Abe, Keisuke Yamada, Satoshi Yamashita, Michinobu Hirosumi, Tomoya Fujiwara, Hisako Sato**
Total synthesis of all stereoisomers of the phospholipid lysocardiolipin

PA57 **Kiichi Hatae, Masato Hanada, Takayuki Iwata, Mitsuru Shindo**
Synthesis of Phosphinotriptycenes Based on the Ynolate-Aryne Triple Cycloaddition

PA58 **Yasuhiro Morisaki**
Synthesis and Chiroptical Properties of Chiral Cyclic Molecules Based on Planar Chiral [2.2]Paracyclophanes

PA59 **Yuki Kamata, Nobuhiro Kanomata**
Conglomerates and a Racemate of Cyano[10]parapyridinophadiyne: Their Synthesis and Properties

PA60 **Magdalena Maria Zakrocka, Paweł Pakulski, Dawid Pinkowicz**
Carbohelicenes as building blocks in the construction of chiral redox active magnetic molecules

PA61 **Katarzyna Rogacz, Iwo Waś, Dawid Pinkowicz**
Protected azahelicene as the precursor for further functionalization

PA62 **Saya Higashi, Lei Song, Kazunobu Igawa, Yuya Kawasaki, Katsuhiko Tomooka, Ryo Irie**
Synthesis and Stereochemical Studies of Dioxa[6]helicenes with an Internal-edge-halogen Group

PA63 **Masahiro Narita, Takaaki Teraoka, Hiroki Aoyama, Kenta Goto, Toshihiro Murafuji, Yoshihito Shiota, Kazunari Yoshizawa, Shigeki Mori, Hidemitsu Uno, Shinji Kanegawa, Osamu Sato, Kazunobu Igawa, Yuuya Kawasaki, Katsuhiko Tomooka, Fumito Tani**
Azulene-Based Chiral Helicenes and their Stable Cation Radicals

PA64 **Ahmed Sabri Gabr, Hiroaki Sasai, Mohamed S. H. Salem, Shinobu Takizawa**
Electrochemical Synthesis of Oxaza[9]-,[12]-, and [15]Helicenes

PA65 **Rubal Sharma, Mohamed S.H. Salem, Md. Imrul Khalid, Mitsuhiro Arisawa, Shinobu Takizawa**
Sequential Electrochemical Synthesis of Hetero[7]dehydrohelicene and Double Hetero[7] dehydrohelicene

PA66 **Katherine Lyon, Chenyu Pan, Jochen R. Brandt**
Photo-flow synthesis of heterohelicenes

PA67 **Atsuya Tanaka, Laure Guy, Marine Louis, Tsuyoshi Kawai**
Synthesis and Chiroptical Property of Helicene-like Dimer with External Stimuli

PA68 **Ryoji Hatakenaka, Nanami Nishikawa, Yuji Mikata, Hiroki Aoyama, Kohsuke Yamashita, Yoshihito Shiota, Kazunari Yoshizawa, Yuuya Kawasaki, Katsuhiko Tomooka, Shin Kamijo, Fumito Tani, Toshihiro Murafuji**
Efficient Synthesis and Structural Analysis of Chiral 4,4'-Biazulene

PA69 **Michal Šámal, Ludmilla Sturm, Irena Deperasinska, Boleslaw Kozankiewicz, Yuuya Nagata, Isabelle Séguy, Jiří Klívar, Andrej Jančařík**
Acenohelicenones: synthesis and properties

PA70 **Sorachi Miwa, Daichi Mizutani, Kiyosei Takasu, Hiroshi Takikawa**
Helicene–fluorescein hybrids: a reversible base/acid-triggered chiroptical switch with CPL sign inversion

PA71 **Miki Kohei, Naoya Kumagai**
Developmenent of CPL Material Based on C4N4 Scaffold

PA72 **Tatsuya Mori, Yoshiharu Sano, Tomoyuki Ikai, Yuuya Kawasaki, Katsuhiko Tomooka, Shigehiro Yamaguchi**
Chiral Tetracoordinate Boron-Embedded Helicenes that Exhibit Dual Circularly Polarized Luminescence

PA73 **Yanyan Zhou, Jeanne Crassous, Hongfeng Li**
Solvent-Regulated Metal Stereocenter Δ/Λ and CPL Sign Inversion Independent of P/M Helical Inversion in a Dynamic Eu_2L_4 Helicate

PA74 **Kazuto Takaishi, Yoshihiro Sato, Fumiya Yoshinami, Chihiro Maeda, Tadashi Ema**
Binaphthyl-bridged Oxa-, Thia-, and Azapyrenophanes as Thermo- and Solvent-responsive Circularly Polarized Luminescence Dyes

PA75 **Kazuto Takaishi, Itsuki Taniuchi, Sho Miyashita, Chihiro Maeda, Tadashi Ema**
Control of Conformation and Turn-On Circularly Polarized Luminescence of Cyclic Binaphthyl Tetramers

PA76 **Kotaro Tsuruoka, Masato Nozaki, Naoya Kumagai**
Design and Synthesis of Self-Assembling Cyclic Trimer $[HYD\text{-}Py]_3$ and Its Strategic Applications

PA77 **Tanhao Shi, Shunsuke Ohtani, Kenichi Kato, Tomoki Ogoshi**
Chiral covalent nanotubes based on pillar[5]arenes

PA78 **Chenyi Ma, Shunsuke Ohtani, Kenichi Kato, Tomoki Ogoshi**
Chiral Self-Sorting of Pillar[5]arenes with Diene Chains

PA79 **De-Hui Tuo, Shigehisa Akine, Kenichi Kato, Shunsuke Ohtani, Tomoki Ogoshi**
Diastereoselective Synthesis of Topological Chiral Pillar[5]arenes: Unveiling the Unit and Macrocyclic Chirality Interplay

PA80 **Kiichi Yasuzawa, Keisuke Wada, Shixin Fa, Yuuya Nagata, Kenichi Kato, Shunsuke Ohtani, Motohiro Mizuno, Tomoki Ogoshi**
Diastereoselective Polypseudorotaxane Formation with Planar Chiral Pillar[5]arenes via Co-crystallization Processes

PA81 **Xuefei Luo, Thanuka Udumulla, James Wayne Canary,**
Enantioswitched kinetic resolution in the polymerization of *rac*-lactide

PA82 **Io Yamamoto, Satoshi Muranaka, Chihiro Maeda, Kazuto Takaishi, Tadashi Ema**
Catalytic Synthesis and Chiroptical Properties of Chiral Pyrene-Containing CO_2-Based Polymers

PA83 **Shu-Ming Kang, Jie Zhang, Xinhua Wan**
Reversible Mechanofluorochromic Elastomer Materials Based on Helical Conformational Transition of Polyphenylacetylene

PA84 **Kosuke Matsui, Hiromitsu Sogawa, Fumio Sanda**
Effect of Magnetic Field Application on the Chiroptical Properties of Polyacetylenes Substituted with Aromatic Groups

PA85 **Hiroshi Suzuki, Tsuyoshi Nishikawa, Makoto Ouchi**
Stereospecific Radical Polymerization of Vinylboronic Acid Derivatives for Syntheses of Tacticity-Controlled PVAs: Monomer Design Criteria Based on Bulkiness and Chirality

PA86 **Xun-Hui Xu, Jie Zhang, Xinhua Wan**
A Novel Rhodium-Based Catalytic System that Mediates the High-Efficiency Polymerization of Carbenes

PA87 **Nozomu Suzuki, Daisuke Taura, Yusuke Furuta**
Theoretical Models Developed for Chiral Amplification of Dynamic Helical Polymers Interacting with Chiral Guest Molecules

PA88 **Abilesh Kumar Ravikumar, Tatsuya Nishimura, Katsuhiro Maeda**
Effect of Solvents in Chiroptical Properties of Poly(diphenylacetylene)s Bearing Chiral Ester Pendants

PA89 **Hayato Fujimoto, Shisato Yamamura, Mamoru Tobisu**
Synthesis of Poly(*ortho*-arylene)s by Nucleophilic Aryne Polymerization