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## November 15 (Thu)

16:45-18:45 Poster Session 3 (Rooms C and D)

**PC(C)-01 — PC(C)-84 (Room C)**

**PC(D)-01 — PC(D)-46 (Room D)**

### Room C

- PC(C)-01** **Tatsuaki Takata, Daiki Nishikawa, Koji Hirano, Masahiro Miura**  
Copper-Catalyzed Regioselective Hydroamination of Vinylphosphines
- PC(C)-02** **Nobutaka Otomura, Koji Hirano, Masahiro Miura**  
1,4-Diphosphination of 1,3-Dienes with Diphosphines under Photoredox Catalysis
- PC(C)-03** **Naoto Hamaguchi, Mayu Ikeda, Yohei Oe, Tetsuo Ohta**  
*N*-(5-Fluoro-2-formylphenyl)trifluoroacetamide for Discrimination of Amines by <sup>19</sup>F NMR
- PC(C)-04** **Daisuke Yamamoto, Kazuishi Makino**  
Manganese-Catalyzed Oxidative Transformations Using Molecular Oxygen in Air
- PC(C)-05** **Yuto Sumida, Tomoe Sumida, Daisuke Hashizume, Takamitsu Hosoya**  
Boracene: a recyclable selective organo group transfer reagent
- PC(C)-06** **Toshiyuki Kamei, Hisayasu Ishibashi, Sohshi Nishino, Toyoshi Shimada**  
Ni-Catalyzed formal hydroboration and hydrosilylation of olefins
- PC(C)-07** **Yusaku Yoshiwara, Shunsuke Kotani, Makoto Nakajima**  
Asymmetric aldol reaction of carboxylic acids under phosphine oxide catalysis
- PC(C)-08** **Toshifumi Asano, Shunsuke Kotani, Makoto Nakajima**  
Stereoselective Synthesis of 2-Fluoro-1,3-diols Using Lithium Binaphtholate-catalyzed Asymmetric Aldol-Tishchenko Reaction
- PC(C)-09** **Ariel Leyton, Alexander F. de la Torre, Julio Belmar, Francisco Muñoz, Odette Concepción, Claudio A. Jiménez**  
Preparation of Novel Pyrazolones derivatives by Multicomponent Reaction
- PC(C)-10** **Kazumasa Kon, Yoshihito Kohari, Miki Murata**  
Development of unnatural tripeptide as highly enantioselective organocatalyst for asymmetric aldol reaction of isatins
- PC(C)-11** **Yuto Hioki, Taro Yukioka, Kentaro Okano, Atsunori Mori**  
Generation of Medium-sized Cycloalkynes and Cycloallenes Using Metal Amides
- PC(C)-12** **Motoyuki Isoda, Yuta Uetake, Takashi Niwa, Takamitsu Hosoya**  
Development of a building block for the synthesis of monofluoroalkenes via copper-catalyzed defluoroborylation
- PC(C)-13** **Tomohiro Meguro, Suguru Yoshida, Kazunobu Igawa, Katsuhiko Tomooka, Takamitsu Hosoya**  
Protection of Azido Group from Click Reaction by Formation of Phosphazide
- PC(C)-14** **Kazuki Maeda, Takuya Kurahashi, Seiji Matsubara**  
Catalytic Trifluoromethylative Functionalization of Olefins by Co(III)/(II) Redox System

- PC(C)-15** **Rei Tomifuji, Takuya Kurahashi, Seijiro Matsubara**  
Asymmetric Aza-Diels–Alder Reaction of Imines with Simple Dienes Utilizing Cationic Iron(III) and Chiral Phosphoric Acid Dual Activation
- PC(C)-16** **Yoshitake Nishiyama, Shuhei Kamada, Yuki Hazama, Suguru Yoshida, Takamitsu Hosoya**  
Selective Cleavage Reactions of Pentavalent Organophosphorus Electrophiles
- PC(C)-17** **Hiroshi Naka, Tomoya Kanda, Asuka Naraoka, Ryoji Noyori**  
Transfer Hydration of Cyanohydrins
- PC(C)-18** **Hiroshi Honda, Masaki Kogawa, Yukiko Tsuchi, Hiroaki Tsuji, Motoi Kawatsura**  
Palladium-Catalyzed Double Substitution of 1,3-Disubstituted-2-chloroallylic Acetates with Phenols
- PC(C)-19** **Miki Kusaba, Kenta Kishi, Jianfei Bai, Shinobu Takizawa, Hiroaki Sasai**  
Facile Synthesis of Spirooxindoles *via* Enantioselective Double Michael Reaction
- PC(C)-20** **Hazuki Kita, Ken Yamanomoto, Yukihiro Arakawa, Keiji Minagawa, Yasushi Imada**  
Enzyme-like Aerobic Oxygenations Catalyzed by a Peptide-Containing *N5*-Unmodified Neutral Flavin
- PC(C)-21** **Takuma Tagami, Yukihiro Arakawa, Keiji Minagawa, Yasushi Imada**  
Flavin-Amine Integrated Catalysts for Dual Photoredox and Enamine Catalysis
- PC(C)-22** **Ken Yamanomoto, Hazuki Kita, Yukihiro Arakawa, Keiji Minagawa, Yasushi Imada**  
Neutral Flavin-Catalyzed Oxidations with Hydrogen Peroxide
- PC(C)-23** **Takahiro Oonishi, Takayuki Kawahara, Yukihiro Arakawa, Keiji Minagawa, Yasushi Imada**  
Practical Preparation of *N5*-Ethylated Flavin Catalysts
- PC(C)-24** **Yusuke Miyazaki, Ikuma Takehara, Taisyun Hanakawa, Kazuki Isa, Hiroaki Tsuji, Motoi Kawatsura**  
Palladium-catalyzed Reactions of 2,3,3-Trifluoroallylic Carbonates with Arylboronic Acids
- PC(C)-25** **Yuki Furuya, Yasunori Minami, Tamejiro Hiyama**  
Alkenylation and Allylation of Arenes with Alkynes by Palladium/Carboxylic Acid Catalysis
- PC(C)-26** **Atsushi Takashino, Kenosuke Itoh, Atsushi Ohtsuka, Mizuki Kobe, Ryo Kato, Takaaki Mizuguchi, Fumika Karaki, Shigeto Hirayama, Hiroyuki Suga, Hitoshi Ishida, Hideaki Fujii**  
Photo-induced formal [3+3] cycloaddition Reactions of Nitrones with Diaminomethanes
- PC(C)-27** **Shota Kawakami, Yohei Arai, Zenyu Shiokawa, Takanori Matsumaru, Shinsuke Inuki, Yukari Fujimoto**  
Synthetic Study of Dragmacidins Using Photochemical Reaction
- PC(C)-28** **Atsushi Mochizuki, Yuji Hoshino, Hiroaki Tsuji, Motoi Kawatsura**  
Synthesis of Trifluoromethyl Group Substituted 1,3-Enynes by the Palladium-Catalyzed Alkynylation of 2,3,3-Trifluoroallylic Carbonates with Terminal Alkynes

- PC(C)-29** Kimberly M. Osten, Mina R. Narouz, Shinjiro Takano, Tatsuya Tsukuda, Cathleen M. Crudden  
*N*-Heterocyclic Carbene Functionalized Gold Nanoclusters
- PC(C)-30** Shota Mizuno, Shou Terasaki, Toru Shinozawa, Hiroaki Tsuji, Motoi Kawatsura  
 Ruthenium-Catalyzed Enantiospecific Allylic Amination of Chiral Tertiary Allylic Esters
- PC(C)-31** Hao-Wen Wang, Kuan-Shuo Lin, Tzu-Chiang Chien, Hsiao-Feng Chen, Rong-Xuan Wu, Ming-Chang P. Yeh  
 Gold(III)-Catalyzed Intramolecular Cyclization Reactions of Ynamide-Tethered Furan: Synthesis of Pyrrole Derivatives
- PC(C)-32** Ryotaro Takata, Rio Sasaki, Kohki Noguchi, Keisuke Mochimizo, Takuji Kawamoto, Akio Kamimura  
 Synthesis of  $\alpha$ -Perfluoroalkylated Ketones from Aryl Alkynes
- PC(C)-33** Yoshiyuki Nagashima, Keiji Sasaki, Takahiro Suto, Takaaki Sato, Noritaka Chida  
 Stereodivergent Hydroboration of Allenes
- PC(C)-34** Hsiao-Feng Chen, Ming-Chang P. Yeh  
 Iron Chloride Promoted Intramolecular Cyclization Reaction of Five-Membered Ring *N*-Propargyl Ynamides: Synthesis of Spiro  $\gamma$ -Lactams
- PC(C)-35** Joshua P. Barham, Yasuo Norikane, Yoshitaka Hamashima  
 High Efficiency Microwave Flow Towards Synthesis of Functional Materials and Pharmaceutical Cores
- PC(C)-36** Toshiyuki Iwai, Takatoshi Ito, Shuhei Sumino, Fukashi Matsumoto, Takumi Mizuno, Toshinobu Ohno  
 Two Methods for Continuous Flow Syntheses of Methanofullerene Derivative PCBM : Hydrazone in Aqueous Two-phase System and in situ Generated Sulfur Ylide System
- PC(C)-37** Ssu-Ting Liu, Yi-Mei Chang, Tai-Ching Chiang, Hao-Wen Wang, Ming-Chang P. Yeh  
 Iron(III) Bromide Promoted Cyclization Reaction of *N*-Propargyl Ynamides: Synthesis of Cyclobutenamines
- PC(C)-38** Ya-Jyun Syu, Ming-Chang P. Yeh  
 Gold(I)-Catalyzed Intramolecular Cyclization of Six-Membered Ring 2-Ynynamides
- PC(C)-39** Yuuka Hirose, Mirai Yamazaki, Misa Nogata, Akira Nakamura, Tomohiro Maegawa  
 Bromination of aromatic compounds using the combination of sulfur compounds and NBS.
- PC(C)-40** Shota Futaki, Keisuke Otake, Hiroaki Tsuji, Motoi Kawatsura  
 Pd-Catalyzed Hydride Reduction of Trifluoroallylic Carbonates with Formic Acid
- PC(C)-41** Yuki Ishibashi, Taisyun Hanakawa, Hiroaki Tsuji, Motoi Kawatsura  
 Palladium-Catalyzed Regioselective Allylic Etherification of CF<sub>3</sub> Group Substituted Unsymmetrical 1,3-Disubstituted Allylic Carbonates

- PC(C)-42** **Dmitrii L. Obydenov, Asmaa I. El-Tantawy, Vyacheslav Ya. Sosnovskikh**  
Bio-based triacetic acid lactone in the synthesis of azaheterocycles via a ring-opening transformation
- PC(C)-43** **Sukhyun Lee, Young Ho Rhee**  
A Synthetic Study towards L-Callipeltose via Pd-Catalyzed Asymmetric Hydroalkoxylation of Alkoxyallene by Homoallylic Alcohol
- PC(C)-44** **Kazutaka Takamatsu, Koji Hirano, Masahiro Miura**  
Copper-Mediated Decarboxylative Coupling via Directed C-H Cleavage
- PC(C)-45** **Takashi Ikawa, Sun JingKai, Akira Takagi, Shuji Akai**  
One-pot Benzyne Generation from Commercially Available Phenylboronic Acids
- PC(C)-46** **Han Yong Bae, Denis Höfler, Philip S. J. Kaib, Pinar Kasaplar, Chandra Kanta De, Arno Döhring, Sunggi Lee, Karl Kaupmees, Ivo Leito, Benjamin List**  
Approaching Parts-Per-Billion Levels in Challenging Organocatalysis
- PC(C)-47** **Tomohiro Ito, Masaki Tsutsumi, Hiroshi Takikawa, Ken-ichi Yamada, Yousuke Yamaoka, Kiyosei Takasu**  
4 $\pi$ -Electrocyclization–Alkylation Reaction of Fused Cyclobutenes Giving Medium-sized *trans*-Cycloalkenes
- PC(C)-48** **You-Song Cheng, Kwunmin Chen**  
Enantioselective Friedel–Crafts Reaction of Indoles by a Chiral Phosphoric Acid: Syntheses of Quaternary  $\alpha$ -Amino Acid Derivatives
- PC(C)-49** **Samaha Anam, Heyao Shi, Darren J. Dixon**  
Cobalt-Catalysed Olefination of 1,3-Dithiolanes with Grignard Reagents
- PC(C)-50** **Chae Yeong Kim, Young Ho Rhee**  
Palladium-Catalyzed Asymmetric Hydroalkoxylation of Alkoxyallene: Switch of Stereoselectivity
- PC(C)-51** **Yoshihiro Ueda, Kenta Arai, Ryo Ninomiya, Kazuhiro Morisaki, Takeo Kawabata**  
Dirhodium-Catalyzed Site-Selective C-H Amination
- PC(C)-52** **Mizushi Yanagihara, Reiya Ohta, Kenichi Murai, Mitsuhiro Arisawa, Hiromichi Fujioka**  
Chemoselective Transformations of Aromatic Methoxymethyl Ethers with Combination of Trialkylsilyl Triflate and 2,2'-Bipyridyl
- PC(C)-53** **Satoru Hirabayashi, Mincen Xiao, Toshiaki Akiyama, Makito Yamada, Kenichi Murai, Hiromichi Fujioka, Mitsuhiro Arisawa**  
Self-assembled Pd-nanoparticles Catalyzed Reactions
- PC(C)-54** **Roman A. Novikov, Denis D. Borisov, Yury V. Tomilov**  
Gallium Chemistry of D-A Cyclopropanes — New Synthetic Tool in Organic Chemistry
- PC(C)-55** **Sunggi Lee, Han Yong Bae, Benjamin List**  
Enantioselective Synthesis of Tetrahydrofurans and Pyrans via Chemoselective Additions towards Ketones over Aldehydes

- PC(C)-56** Masashi Fujita, Takafumi Ide, Fumihisa Kobayashi, Hiromichi Egami, Yoshitaka Hamashima  
 Regio- and Chemoselective Csp<sup>3</sup>-H Transformation of Benzylamines by Single Electron Transfer/Hydrogen Atom Transfer Synergistic Catalysis
- PC(C)-57** Hayato Inoue, Chanthamath Soda, Kazutaka Shibatomi, Seiji Iwasa  
 Catalytic asymmetric carbene transfer reactions of diazo acetonitrile
- PC(C)-58** Ikuo Sasaki, Toshimichi Ohmura, Michinori Suginome  
 Rhodium-Catalyzed [2+2+1] Cyclization of 1,6-Enynes with Alkoxy(boryl)silane as Synthetic Equivalent of Silylene
- PC(C)-59** Sergey Usachev, Vyacheslav Sosnovskikh  
 Synthesis of 6-polyfluoroalkyl(ethoxycarbonyl)-2-methylsulfanyl-4-pyrones
- PC(C)-60** Toru Hashimoto, Tsubasa Maruyama, Masaru Matsugaki, Yoshitaka Yamaguchi  
 Cross-Coupling of Alkyl Halides with Aryl Grignard Reagents Catalyzed by Tetrahalogenoferrate Salt
- PC(C)-61** Jung-Woo Park, Bubwoong Kang, Vy M. Dong  
 Catalytic Alkyne Arylation Using Traceless Directing Groups
- PC(C)-62** Renhua Qiu, Nobuaki Kambe  
 Organoantimony Fluoride-Catalyzed Hydrogenation of Imine with H<sub>2</sub> via H-H Bond Cleavage
- PC(C)-63** Yohei Ueda, Nagataka Tsujimoto, Taiga Yurino, Hayato Tsurugi, Kazushi Mashima  
 Nickel-catalyzed Cyanation of Aryl Halides and Aryl Triflates with Acetonitrile
- PC(C)-64** Hideaki Ikeda, Kohei Nishi, Hayato Tsurugi, Kazushi Mashima  
 Metathesis Cleavage of an N=N Bond of Azo Compounds by Dinuclear Tungsten Complexes Bearing a Metal-metal Triple Bond
- PC(C)-65** Satoru Shirase, Koichi Shinohara, Hayato Tsurugi, Kazushi Mashima  
 Catalytic Aerobic Oxidation of Alcohols to Carbonyl Compounds with *in-situ* Generated Oxo-bridged Dinuclear Cerium Complex
- PC(C)-66** Nagataka Tsujimoto, Yohei Ueda, Hayato Tsurugi, Kazushi Mashima  
 Formation of Amorphous Nickel(0) Nanoparticle for Reductive Biaryl Coupling Reaction
- PC(C)-67** Kohei Nishi, Argha Bhattacharjee, Hiromu Hosoya, Hideaki Ikeda, Hayato Tsurugi, Kazushi Mashima  
 Reductive Transformation of Nitroarenes using Organosilicon Reducing Reagents
- PC(C)-68** Shusei Soma, Takahiro Hirai, Daiki Kato, Shin-ya Akebi, Haruki Nagae, Kazushi Mashima  
 Catalytic Esterification of *N,N*-Dialkylamides by Multinuclear Manganese Alkoxide Complex
- PC(C)-69** Sho Nagano, Takumi Kinoshita, Masaki Shimizu  
 1,4-Bis(diarylphosphinyl)-2,5-bis(silylmethoxy)benzenes That Exhibit Dual Fluorescence-Phosphorescence

- PC(C)-70** **Kana Isozaki, Motoharu Sakai, Masaki Shimizu**  
Dual Fluorescence-Phosphorescence Emission of 2,5-Dialkoxy 1,4-bis(arylsulfonyl) benzenes
- PC(C)-71** **Naoki Ogawa, Yousuke Yamaoka, Hiroshi Takikawa, Kiyosei Takasu**  
A Retro (2+2)-Cycloaddition Approach to Tribenzocarbazoles and Their Properties
- PC(C)-72** **Akihiro Orita, Shigeki Kawai, Adam S. Foster, Yasuhiro Okuda, Ernst Meyer**  
One-shot Oligomerization of Unstable Terminal Ethyne on Cu(111): Consecutive Desilylation and Homo-coupling of 9,10-Bis(trimethylsilylethynyl)anthracene
- PC(C)-73** **Hiroaki Ogasawara, Masayasu Taki, Shigehiro Yamaguchi**  
Functionalization of Phospha-Xanthene Dyes on a *P*-Phenyl Group
- PC(C)-74** **Takeshi Maeda, Kyohei Miyana, Yuki Kuwano, Xixi Chen, Shigeyuki Yagi**  
Synthesis of Intramolecular Exciton-Coupled Squaraine Dyes for Dye-Sensitized Solar Cells
- PC(C)-75** **Mika Sakai, Mikinori Ando, Masato Hirai, Shigehiro Yamaguchi**  
Planarized Dibenzoazaborine with a Carbazole Substructure
- PC(C)-76** **Yoshifumi Sasano, Hiromitsu Maeda**  
Ion-Pairing Assemblies Based on Porphyrin Anions
- PC(C)-77** **Junichi Usuba, Aiko Fukazawa, Shigehiro Yamaguchi**  
Synthesis and Structures of Dithieno[*a,e*]pentalenes without Bulky Substituents
- PC(C)-78** **Takeshi Maeda, Imari Nakamura, Shigeyuki Yagi**  
Synthesis of a New Class of Squaraine dyes with Intramolecular Hydrogen-bonding and Their Semiconducting Properties
- PC(C)-79** **Tetsuo Iwanaga, Tomokazu Yamauchi, Shinji Toyota**  
Synthesis and Photophysical Properties of Azacyclophanes Incorporating Anthracene Units
- PC(C)-80** **Shingo Hashimoto, Kazukuni Tahara**  
A Theoretical Study on Benzo[3,4]cyclobutathiophenes and Their Homologs
- PC(C)-81** **Arif Dastan**  
Synthesis of Novel Functionalized Benzocyclotrimers
- PC(C)-82** **P. Sudkaow, M. Paul, A. Wessels, N. E. Schlörer, J.-M. Neudörfl, A. Berkessel**  
Breslow Intermediates from Aromatic N-Heterocyclic Carbenes (Benzimidazolin-2-ylidenes)
- PC(C)-83** **Tim Gatzenmeier, Mathias Turberg, Diana Yepes, Youwei Xie, Frank Neese, Giovanni Bistoni, Benjamin List**  
Elevating catalytic asymmetric Diels–Alder chemistry to the next level!
- PC(C)-84** ***Withdrawal***

## Room D

- PC(D)-01** Hiroki Tanaka, Yohei Haketa, Hiromitsu Maeda  
Ion-Pairing Assemblies Based on Porphyrin Au<sup>III</sup> Complexes
- PC(D)-02** Shinya Sugiura, Hiromitsu Maeda  
Synthesis and Assemblies of Anion-Responsive Molecules Comprising  $\pi$ -Extended Pyrrole Units
- PC(D)-03** Atsuko Kuno, Hiromitsu Maeda  
Synthesis of Anion-Responsive  $\pi$ -Electronic Molecules Exhibiting Various Binding Behaviors
- PC(D)-04** Shogo Kuriyama, Yuuya Nagata, Michinori Suginome  
Synthesis of Poly(quinoxaline-2,3-diyl)s Bearing a Sequence-Defined Terquinoxaline Core through Bidirectional Living Polymerization
- PC(D)-05** Sachie Arae, Ryo Kobayashi, Tenmyo Kataoka, Kazunobu Igawa, Katsuhiko Tomooka, Ryo Irie  
Efficient Synthesis and Highly Site-selective Post-functionalization of Benzodiheterole-containing Heterohelicenes
- PC(D)-06** Rui Shang, Zhongmin Zhou, Hiroki Nishioka, Shunsuke Furukawa, Eiichi Nakamura  
Hybrid Benzodipyrrole Sulfonate Salt Materials in Perovskite Solar Cell Application
- PC(D)-07** Eisuke Ohta, Haruka Izumi, Yasunori Matsui, Hiroyasu Sato, Hiroshi Ikeda  
The Unique Network Structure Formed by a  $C_3$ -Symmetric Triaryltriazine Derivative
- PC(D)-08** Yohji Misaki, Minami Kato, Yusuke Fujita, Tomokazu Yamauchi, Takashi Shirahata  
Redox-Switchable Bis-fused Tetrathiafulvalene Analog: Observation and Control of Two Different Reduction Processes from Dication to Neutral State
- PC(D)-09** Ana F.R. Cerqueira, Gustautas Snarskis, Jonas Zurauskas, Samuel Guieu, Filipe A. Almeida Paz, Augusto C. Tomé  
Selective Synthesis of 12,13- and 17,18-Dihydroporpholactones
- PC(D)-10** Shogo Kamo, Kouji Kuramochi, Kazunori Tsubaki  
Biological and Synthetic Studies on Juglorubin and Related Naphthoquinone Dimers
- PC(D)-11** Noriaki Kiya, Yu Hidaka, Kazuteru Usui, Go Hirai  
Synthetic studies of 1,6-C-linked disaccharide analogues based on radical coupling
- PC(D)-12** Yuya Okuyama, Ryosuke Okamoto, Takaaki Sato, Noritaka Chida  
Synthetic study of (+)-saxitoxin by sequential Overman rearrangement
- PC(D)-13** Kohki Fujikawa, Sonomi Suzuki, Ryohei Nagase, Shiori Ikeda, Shoko Mori, Kaoru Nomura, Ken-ichi Nishiyama, Keiko Shimamoto  
Syntheses and Activities of the Functional Structures of MPIase, a Glycolipid Essential for Membrane Protein Integration in *E. Coli*
- PC(D)-14** Ai Sekihara, Akira Sawai, Yoko Yasuno, Tetsuro Shinada  
Total Synthesis of SF-2132

- PC(D)-15 **Kenji Kimura, Ryo Katsuta, Naoko Masada, Arata Yajima, Ken Ishigami, Tomoo Nukada**  
Synthesis and stereochemistry of a depsipeptide (+)-FE399
- PC(D)-16 **Yumi Hayashi, Tomoyasu Hirose, Wataru Fukasawa, Masato Iwatsuki, Kenichi Nonaka, Rei Hokari, Aki Ishiyama, Kazuro Shiomi, Satoshi Ōmura, Toshiaki Sunazuka**  
New Antimalarial Lipopeptides Produced by *Paracamarosporium* Species: Isolation, Structural Elucidation, Efficient Total Synthesis, and Biological Activity
- PC(D)-17 **Naoto Zui, Keisuke Sato, Ryosuke Yamaguchi, Shinsuke Inuki, Yukari Fujimoto**  
Synthetic Study of Funiculosin and its Analogues for Investigating Agonist of Innate Immune Receptor TLR4/MD-2
- PC(D)-18 **Guang-Hao Niu, Wei-Chun Hung, Pin-Heng Liu, Ping-Yao Tseng, Gary Jing Chuang**  
Toward the Formal Synthesis of (±)-Pentalenolactone A Methyl Ester
- PC(D)-19 **Heyao Shi, Iacovos N. Michaelides, Benjamin Darses, Pavol Jakubec, Quynh Nhu N. Nguyen, Robert S. Paton, Darren J. Dixon**  
Total Synthesis of (-)-Himalensine A
- PC(D)-20 **Takuya Okada, Katsuki Takashima, Jungoh Ishimura, Naizhen Wu, Hiroshi Tsuneki, Toshiyasu Sasaoka, Yuhei Yamazaki, Yoshiyuki Kubo, Ken-ichi Hosoya, Syed R. Hussaini, Linda P. Dwoskin, Naoki Toyooka**  
Total syntheses and their evaluation of poison-frog alkaloids ent-*cis*-195A and *cis*-211A
- PC(D)-21 **Daiki Satoh, Hiromasa Yokoe, Masayoshi Tsubuki**  
Pd-Catalyzed *ipso*-Cyclization of Arylpropiolamides and Its Application to Formal Synthesis of FR901483
- PC(D)-22 **Masato Tsutsui, Yoshiyuki Manabe, Koichi Fukase**  
Efficient syntheses of ABO blood type antigens and its immune evaluation
- PC(D)-23 **Sujit Manmode, Moeko Kato, Toshiki Nokami, Toshiyuki Itoh**  
Automated Electrochemical Assembly for β-1,3:1,6-Linked Oligoglucosides
- PC(D)-24 **Akihiro Manbo, Yuta Maki, Ryo Okamoto, Masayuki Izumi, Yasuhiro Kajihara**  
Glycosylation Using Sulfated Donors for the Synthesis of Sulfated Oligosaccharides
- PC(D)-25 **Ye Ji Kim, Young Ho Rhee**  
A *De Novo* Convergent Synthetic Approach towards α-Oligomannose
- PC(D)-26 **Yoko Yasuno, Iho Mizutani, Yuki Sueuchi, Yuuka Wakabayashi, Nozomi Yasuo, Keiko Shimamoto, Tetsuro Shinada**  
Catalytic Asymmetric Synthesis of Orthogonally Protected N-Acyl 2,7-Diaminosuberic Acid
- PC(D)-27 **Keehwan Lee, Mijin Kim, Young Ho Rhee**  
A Convergent Synthesis of the Tetrasaccharide Subunit of Durantanin I
- PC(D)-28 **Yuuya Kawasaki, Yuuki Seto, Shintarou Kawahara, Kazunobu Igawa, Katsuhiko Tomooka**  
Multi-molecule Connectable DACN for Chemical Modification of Biomolecules



- PC(D)-29** Masayuki Tera, Nathan W. Luedtke  
Intercalation-directed bifunctional “click” cross-linker
- PC(D)-30** Sam R Ellis, Nikita Chekshin, Bal Kang, Filippo Sladojevich, Darren J Dixon  
A Co-Catalytic Approach to the Total Synthesis of Daphniyunnine B
- PC(D)-31** Kengo Kasama, Koichi Higashio, Gamal A. I. Moustafa, Shuji Akai  
A Modular Biocatalytic Approach for the Highly Enantioselective Synthesis of Atropisomeric Biaryl Diols
- PC(D)-32** Bhawna Barpuzary, Mijin Kim, Young Ho Rhee  
A New Strategy for Asymmetric Synthesis of C3-Methyl Branched Pyranosugars
- PC(D)-33** Kim S., Lee SK., Lee S., Jeon H., Kim JH., Park S., Yu S., Li P., Park S.  
Anti-angiogenesis Novel Scaffold Designed by Structural Modification of Wondonins
- PC(D)-34** Yeonghun Song, Minjung Kim, Sanghee Kim  
Asymmetric Total Synthesis of Inthomycins A,B and C
- PC(D)-35** Zijian Zhang, Kazuko Kaneda, Atsushi Toyoshima, Yoshiyuki Manabe, Kazuya Kabayama, Atsushi Shimoyama, Atsushi Shinohara, Koichi Fukase  
Synthesis and Anti-tumor Evaluation of At-211 Labeled Amino Acid Derivative for Targeted Alpha Therapy
- PC(D)-36** *Withdrawal*
- PC(D)-37** Shlomy Arava, Shimon Maksymenko, Jayprakash N. Kumar, Keshab N. Parida, Mark A. Iron, Peter Fristrup, Alex M. Szpilman  
Enolonium Species – Umpeoled Enolates
- PC(D)-38** Aladin Hamoud, Philippe Barthélémy, Valérie Desvergues  
Organocatalyzed Stetter Reaction as an Efficient Bio-inspired Tool for Original Nucleolipids Synthesis
- PC(D)-39** Takanori Matsumaru, Ryota Saito, Toshihiko Aiba, Yohei Arai, Etsuko Nabika, Shota Torigoe, Atsushi Furukawa, Katsumi Maenaka, Sho Yamasaki, Yukari Fujimoto  
Synthesis of microbial lipid conjugates and evaluation of their innate immune receptormediated signaling activity
- PC(D)-40** César Flores, Alfonso López, Fernando Alvarez, Edgar Zamora, Qingxia Liu, Flavio Vázquez,  
Novel demulsifiers based on functionalized random alkyl acrylic-amino acrylic copolymers for heavy crude oils
- PC(D)-41** Nobuyuki Karube, Kazuaki Ito  
Synthesis and gelation behaviors of 6-monosubstituted  $\beta$ -cyclodextrin derivatives bearing a long alkyl chain
- PC(D)-42** Nobuyuki Karube, Kazuaki Ito  
Synthesis and LCST behavior of  $\beta$ -cyclodextrin derivatives bearing a gallic acid with OEG chains

- PC(D)-43** **Xia Zhang, Dawen Niu**  
Site-selective Modification of Unprotected Glycosides and Polyhydroxylated Natural Products
- PC(D)-44** **Inseok Ko, Tae Hoon Lee, Hakwon Kim**  
Novel synthesis of 2,3-heterocycle-fused 1,4-naphthoquinone and its biological evaluation
- PC(D)-45** **Youngyoung Cho, Tae Hoon Lee, Hakwon Kim**  
Synthesis and Biological Evaluation of Ergosterol and Its Glycosides
- PC(D)-46** **Pengchao Gao, Gellért Sipos, Daven Foster, Reto Dorta**  
Developing NHC-Iridium Catalysts for the Highly Efficient Enantioselective Intramolecular Hydroamination Reaction