List of Posters: Monday Poster Session

The following posters will be presented at the **Monday poster session**. For presenters, please set up your poster before the beginning of the morning session on the board number assigned to you, as shown below.

Poster A-1: Abdelwahed, Sameh; Prairie View A&M University Prairie View
New quinoxaline-based derivatives as PARP-1 inhibitors: design, synthesis, antiproliferative, and computational studies

Poster A-2: Andjaba, John; Massachusetts Institute of Technology
Catalytic Benzoxazine Synthesis Enabled by P(III)/P(V)=O Cycling

Poster A-3: Barnes, Griffin; University of California, Irvine
Total Synthesis of (±)-Alstonlarsine A from (±)-Alstolucine B, F through a 1,7–Hydride shift, Mannich sequence.

Poster A-4: Bieniek, Jessica; Department of Chemistry, Johannes Gutenberg University, Mainz, Germany
Direct Electrochemical Synthesis of N,N'-Disubstituted Indazolin-3-ones under Sustainable and Metal-Free Conditions

Poster A-5: Burtoloso, Antonio; University of São Paulo
Asymmetric dihalogenation of sulfoxonium ylides

Poster A-6: Čičak, Marijo; Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague, Czech Republic
Syntheses of the ortho-polysubstituted azobenzenes

Poster A-7: Davis, Arabella; Furman University
Development of a [2+2] Photocycloaddition of 2-Pyridones using Organic Photocatalysis

Poster A-8: Dwulet, Natalie; University of California, Irvine
The Total Synthesis of Isoneoamphilectane

Poster A-9: Grant, Phillip; University of Vienna
Direct stereodivergent olefination of carbonyl compounds with sulfur ylides

Poster A-10: Häfliger, Joel; Westfälische Wilhelms-Universität Münster
Stereocontrolled Synthesis of Fluorinated Isochromans via I(I)/I(III) Catalysis

Poster A-11: Hillman, Ashlyn; University of Delaware
Minimalist Tetrazine Carbohydrate Probe for Rapid Bioorthogonal No-Wash Live-Cell Labeling of Bacterial Peptidoglycan

Poster A-12: Iwai, Kento; Kochi University of Technology
A Safe Synthetic Equivalent of Nitroacetonitrile and Its Synthetic Uses toward 3-Cyanoisoxazoles

Poster A-13: Ji, Haofan; University of Georgia
Enantiospecific Heteroatom-Tethered 1,6-Enyne Cycloisomerizations and Their Utilization in Natural Product Total Synthesis

Poster A-14: Johnson, Lucas; University of California, Irvine
Cobalt-Catalyzed Annulation via Hydrogen Atom Transfer: Expedient Access to Arene-Fused Cycloalkanes

Poster A-15: Kikushima, Kotaro; Ritsumeikan University
Transition-metal-free functionalization of (hetero)arenes via highly reactive TMP-iodonium(III) acetates

Poster A-16: Kraina, Pavel; The Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences
Modulators of Human and Bacterial Adenylate Cyclases Based on 7-Substituted 7-Deazapurine Analogues of Adefovir

Poster A-17: Lam, Nelson; University of Cambridge
Guidelines for Predictable Remote Directed C(sp2)–H Activation and their Application Towards Site-Selective Remote C–H Activation of Quinolines

Poster A-18: Linden, Martin; Department of Chemistry, Johannes Gutenberg-University Mainz
Electrochemical Synthesis of Pyrazoles and Pyrazolines via Iodine-mediated [3+2] Dipolar Cycloaddition

Poster A-19: Liu, Shaonan; University of California, Santa Barbara
A Stereoselective Enzymatic Mannich Reaction

Poster A-20: Luzzio, Frederick; University of Louisville
An Oxidation Study of Phthalimide-Derived Hydroxylactams and Lactams

Poster A-21: Makara, Colette; University of Delaware
Development of a High Throughput Photochemical Flow Method for the Large-Scale Synthesis of trans-Cyclooctenes

Poster A-22: Matikonda, Siddharth Sai; National Institutes of Health
Cyanine Phototruncation: From Mechanistic Analysis to Applications in Super Resolution Microscopy and Cell Tracking

Poster A-23: Michalak, Sharon; Amgen
Innovations on the Process Development of a a tri-sugar siRNA ligand

Poster A-24: Neglia, Sophia; University of Delaware
Catalytic Activation of Bioorthogonal Chemistry Using Thermal Catalysis

Poster A-25: Niman, Scott; University of California, Irvine
Efforts Towards the Synthesis of Neoamphilectane

Poster A-26: Okawa, Ryotaro; Hokkaido University
Total synthesis of pseudouridimycin

Poster A-27: Pak, Bonnie and Supantanapong, Nantamon; University of California, Irvine
Syntheses of Lissoclimide Analogues and the Investigation of Novel Halogen–π Interactions

Poster A-28: Pippel, Daniel; Janssen R&D
New Methods for Heterocycle Functionalization in the Context of Drug Discovery Programs at Janssen La Jolla

Poster A-29: Qin, Ziyang; California Institute of Technology
Intramolecular C(sp3)–H Amination to Construct Chiral N-Heterocycles Enabled by Engineered Cytochrome P450 Enzymes

Poster A-30: Ramirez, Melissa; Caltech
Origins of Endo Selectivity in Diels–Alder Reactions of Cyclic Allene Dienophiles

Poster A-31: Slough, Carly; Furman University
A [2+2] Photocycloaddition–Cyclobutane Fragmentation Approach to Annulated Pyridones

Poster A-32: Tallon, Amanda; University of Delaware
Dihydrotetrazine oxidation by a genetically encodable catalyst for rapid turn-on of bioorthogonal chemistry intracellularly

Poster A-33: Tsang, Stephanie; University of Delaware
Mechanistic Study of the Activation of Rapid Bioorthogonal Chemistry via Photocatalytic Oxidation Dihydrotetrazines to Tetrazines

Poster A-34: Vaňková, Karolína; Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences
Novel N-branched acyclic nucleoside phosphonates as inhibitors of Plasmodium 6-oxopurine phosphoribosyltransferases

Poster A-35: Wang, Xiye; Columbia University
Electric Field Influence on Hydrocarbon Autoxidation and Amine Acylation

Poster A-36: Wienhold, Max; Westfälische Wilhelms-Universität Münster
Coumarin Synthesis by Direct Annulation: β-Borylacrylates as Ambiphilic C3-Synthons

Poster A-37: Zehnder, Troy; University of Michigan Chemistry Dept - Schindler Group
Olefination of Hydrazones and Oximes Mediated by Ruthenium Alkylidenes

List of Posters: Tuesday Poster Session

The following posters will be presented at the **Tuesday poster session**. For presenters, please set up your poster before the beginning of the morning session on the board number assigned to you, as shown below.

Poster B-1: Akai, Shuji; Osaka University *Chemo- and Regioselective Cross-dehydrogenative Coupling of 3-Hydroxycarbazoles Using a Heterogeneous Oxovanadium Catalyst*
Poster B-2: Atwood, Brian; Iktos Inc *In silico generation of heterocycle-containing drug-like small molecules: towards tools for the many different needs of drug discovery projects.*
Poster B-3: Becker, Marc; Merck & Co., Inc. *Applications of Biocatalysis in the Synthesis of PCSK9 Inhibitors*
Poster B-4: Blackner, Jake; University of Alberta *Diazaborines: Phenolic Isosteres with Hydroxy Group Exchange Capability*
Poster B-5: Capani Jr., Joseph; University of California, Irvine *An Enantioselective Synthesis of Wickerol B*
Poster B-6: Daniel, Matthieu; CEA *Synthesis and reactivity of 5-Hydrazino-3-Nitro-1,2,4-triazole (HNT) : an amphoteric energetic platform*
Poster B-7: Desai, Shrey; University of Toronto *Organoboron-Catalyzed, Regioselective Alkylation of Azoles*
Poster B-8: Fotherby, Fiona; School of Chemistry, University of St Andrews, UK *Synthesis and Evaluation of New Dihydrotetrathiafulvalene Systems for Metal Surface Adsorption and Hydrogen Bonding*
Poster B-9: Gross, Jonathan; Johannes Gutenberg-University *Computer-Aided Natural Product Structure Elucidation and Mechanochemical Synthesis of Organic Thiocyanates*
Poster B-10: Hielscher, Maximilian; Johannes Gutenberg University Mainz *The Anodic Phenol-Phenol Coupling – Optimizing Electrolysis Conditions is the Key to the Efficient Formation of Biphenols and Polycycles.*

Poster B-11: Horino, Satoshi; Osaka university
Enantiodivergent synthesis of both enantiomers by dynamic kinetic resolution with R-selective lipases

Poster B-12: Jemas, Andrew; University of Delaware
Catalytic Activation of Bioorthogonal Chemistry with Light (CABL) Enables Rapid, Spatiotemporally Controlled Labeling and No-Wash, Subcellular 3D-Patterning in Live Cells Using Long Wavelength Light

Poster B-13: Jiu, Alexander; UC Irvine
Enantioselective Addition of Pyrazoles to Dienes

Poster B-14: Kaur, Milanpreet; University of Calgary
Designing New Strategy For C-H Functionalization using a Hypervalent Iodine Reagent

Poster B-15: Kou, Kevin; UC Riverside
Strategies Towards the Synthesis of Heterocyclic Natural Products

Poster B-16: Kuethe, Jeff; Merck & Co., Inc.
Total Synthesis of a Macrocyclic PCSK9 Inhibitor

Poster B-17: Li, Yang; University of California, Santa Barbara
Lithium Enolate with a Lithium-Alkyne Interaction in the Enantioselective Construction of Quaternary Carbon Centers: Efficient Synthesis of Indole Alkaloids (+)-Goniomitine and (+)-Quebrachamine

Poster B-18: Liu, Xin; Deptartment of Chemistry, Colorado State University, Fort Collins
Diversification of C–F bonds in organofluorides and fluoropolymers by visible-light organic photoredox catalysis

Poster B-19: Lovely, Carl; UT Arlington
Progress Towards a Total Synthesis of Ceratinadin B

Poster B-20: Luzzio, Frederick; Chemistry Dept; University of Louisville
Nucleoside Antibiotic Support Studies: Synthesis of 4'-(2-oxazolyl) Uridine Scaffolds

Poster B-21: Mansour, Ali; University of Ottawa
Strategic use of gold(I)-catalysis for the concise synthesis of polycyclic indole motifs

Poster B-22: Meyer, Stephanie; Westfälische Wilhelms-Universität Münster, Germany
Fluorocyclization via I(I)/I(III) catalysis: a concise route to fluorinated oxazolines

Poster B-23: Muzikova Cechova, Lucie; IOCB, AS CR
Tunable photochemical properties in 5-phenylazopyrimidines: From solution to solid state

Poster B-24: Nguyen, Hanh; University of California, Irvine
Stereocontrolled Access to Quaternary Centers by Birch Reduction/Alkylation of Chiral Esters of Salicylic Acids

Poster B-25: Nishio, Tomoya; Graduate School of Pharmaceutical Sciences, Osaka University
Direct Nucleophilic Substitution of Alcohols Using an Immobilized Oxovanadium Catalyst

Poster B-26: Okumatsu, Daichi; Osaka University
Oxidative Amination of Enolates Utilizing (Diarylmethylene)amino Benziodoxolones

Poster B-27: Patel, Monika; University of Delhi
Versatile Chemistry of KOH-DMSO

Poster B-28: Rychnovsky, Scott; UC Irvine
Total Synthesis of (2R)-Hydroxynorneomajucin, a Norsesquiterpene from Illicium Jiadifengpi

Poster B-29: Qiu, Jiawei; Osaka University
Iridium-Catalyzed Isomerization/Cycloisomerization/Aromatization of N-Allyl-N-sulfonyl-o-(λ^1-silylethynyl)aniline Derivatives to Give Substituted Indole Derivatives

Poster B-30: Rosenberger, Julia; University of Delaware
Subcellularly-localized Photocatalysts and Far-red Light Enable Catalytic Bioorthogonal Uncaging in Live Cells

Poster B-31: withdrawn

Poster B-32: Tao, Yujia; California Institute of Technology
Synthetic Strategies Toward the Total Synthesis of (–)-enterocin

Poster B-33: Vaith, Jakub; University of Rochester
Regiodivergent synthesis of 2- and 3-substituted indolines and pyrrolidines through Pd-catalyzed heteroannulation of 1,3-dienes with bifunctional reagents

Poster B-34: Wada, Yuki; Osaka University
C-C Bond Formation between 1,4-Naphthoquinone and Ru-Carbene Complex with N-Heterocyclic Carbene (NHC) Ligand

Poster B-35: Wang, Minghao; UCI
Enantioselective Coupling of Cyclopropenes with Pyrazoles via Copper(I) Catalysis

Poster B-36: Xu, Mizhi; University of California, Santa Barbara
Resonance Promoted Ring-Opening Metathesis Polymerization of Twisted Amides

Poster B-37: Zhao, Ke; University of California Santa Barbara
Rational Design on Bifunctional Ligand in Asymmetric Gold Catalysis