

DAY 2 PRESENTERS

FIRST	LAST	POSTER TITLE
Abreanne	Andlinger	Examining Essential Transcription Factor Networks for Neurodevelopment in Zebrafish
Allison	Baker	Exploring the Functions of Fgf Signaling on Otic Sensory Epithelia Through Its Downstream Target Gene Pou3f3b
Anton	Barybin	Development of a Separation-Based Sensor for Monitoring Neurotransmitters
Roxanne	Beltran	A novel acoustic recorder for eavesdropping on the ocean soundscape
Amber	Birt	Measuring Concentrations of Acrylamide in Brewed Coffee
John	Blazek	Synthetic antibody repertoires: Progress towards making new tool for antibody and vaccine development in yeast
Alistair	Boettiger	Deep learning connects DNA traces to transcription to reveal predictive features beyond enhancer-promoter contact
Madison	Britting	Investigating Sexual Dimorphisms in Thalamic Anatomy
Luke	Broughton	Probing the Kinetics of Metal-Catalyzed Thiol Oxidation
Quinn	Burlingame	Molecular Design of UV-Absorbing Organic Semiconductors for Transparent Solar Cells
Pamela	Chang	Chang Lab: Research at the Interface of Chemistry, Immunology, and the Gut Microbiome
Emily	Chapa	Circadian Clock Control of tRNA Synthetases in Neurospora crassa
Lauren	Davis	Structural Analysis of Polymeric Surgical Mesh Fibers and Pores in Varied Loading Conditions
Joseph	Derosa	Electrocatalytic Concerted Proton-Electron Transfer (eCPET) using a Cobaltocene-Derived Mediator: New Synthetic Strategies for Electroreduction of C-C σ -Bonds at Lower Overpotentials
Laura	Duvall	Peptide signals that control mosquito mating behaviors
Elliott	Einstein	Co-pigmentation in African violets: Two pigments are better than one
Benjamin	Fefferman	Bioinformatics Analysis of 5-Hydroxymethylcytosine Profiles in Colorectal Cancer
Julie	Fenton	Re-evaluating and improving covalent organic framework membranes for molecular separations
Jessica	Freed	A Hybrid Approach to Phage Engineering Towards Targeted Treatment of Bacterial Infections
James	Gaynor	Savory Electronic Correlations Occur Within a Few Millionths-of-a-Billionth of a Second
Samantha	Grecco	Gene-specific pulldown for targeted in vivo RNA structure probing
Erik	Grumstrup	Probing nanoscale materials with time-Resolved Vibrational Microscopy
Adriana	Gutierrez Ramirez	Label-Free Sorting of Activated T-cells
Hunter	Hansen	Synthesis and evaluation of macrocyclic peptide epoxides as potent and selective inhibitors of the 20S proteasome
Stavroula	Hatzios	Precision Tools for the Selective Detection of Bacterial Pathogens in Complex Microbial Communities

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Grace	Heiting	Effects of Oxygen on Jump Performance and Lactate Production in the American Locust
Evan	Holbrook	Mycobacterium vaccae, a soil-derived bacterium, prevents lipopolysaccharide-induced expression of inflammatory genes in human THP-1-derived macrophages
Isabel	Johnson	Structure-Phenotype Relationships in BCS1L-Related Rare Diseases
Chenfeng	Ke	Kinetic Trapping of 3D-Printable Cyclodextrin-based Poly(pseudo)rotaxane Networks
Samuel	Khasnavis	Investigating Aprotic Amines in the SuFEx Activation of Sulfamoyl Fluorides
Sakin	Kirti	DPP-IV mediates Wnt-induced skin fibrosis
Leah	Knorr	The Photophysical Properties of Grevillone (6-Hydroxycoumarin) and Methylgrevillone (6-Hydroxy-4-methyl-coumarin)
Forrest	Laskowski	Unsupervised Machines Discover High-performing Electrolytes for All Solid-State Batteries
Juliet	Lee	Alkane Monooxygenase's Unique Diiron Center and Reactivity
Frank	Leibfarth	Stereoselective Ionic Polymerizations
Chen	Li	Neuromechanics of Locomotor Transitions on Energy Landscapes of Complex Terrain
Stewart	Mallory	A mechanical theory of nonequilibrium phase coexistence and its application to motility-induced phase separation
James	McKone	Electrifying Chemical Manufacturing
Anjali	McNeil	Symbiotic V. fischeri strains engage in combat with different Type VI Secretion Systems
Colin	Miller	Heterogeneous oxidative kinetics of ozone-iodide interactions
Hieu	Nguyen	Identifying Novel Drugs to Revert DNA-Damage Induced Senescence
Matthew	Nichols	Probing and Controlling Chemical Reactions Below One Microkelvin
Jia	Niu	Made to Degrade: Cascade Reaction-Driven Polymerization and Depolymerization
Venkata	Patchigolla	Enrichment of Non-B-DNA of the Drosophila melanogaster Centromeres
Maxwell	Robb	A Universal Molecular Design Platform for Mechanically Triggered Release
Eric	Salisbury	Carbon-Carbon Bond Activation: Rhodium-Catalyzed Decarbonylation of Pyridyl Ketones
A. Fatih	Sarioglu	All-Electronic Lab-on-a-Chip Platforms for High-Throughput Multi-Modal Cell Phenotyping
Kevin	Schult	Developing a Cyclic-Peptide Inhibitor for Overactive Inflammation
Ian	Seiple	Platforms for the generation of new classes of antibiotics
Nikita	Sivakumar	Agent-Based Modeling of Multicell Spheroid Patterning Using Synthetic Gene Circuits
Adam	Slavney	Low-temperature melting and recrystallization in a hydrogen-bonded framework and ionic liquid
Tyler	St. Denis	Naked,' heavy main-group atoms in the transition metal coordination sphere
Dayne	Swearer	Single Particle Cathodoluminescence Spectroscopy with sub-20 nm Electron-Stable Phosphors

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Hayden	Tharpe	Engineering a Highly Sensitive and Modular Reaction Cascade Biosensor
Ashleigh	Theberge	Spatial Control over Logically Responsive Multi-Material Structures
Stephen	von Kugelgen	One Qubit, Two Qubit, Red Qubit, Blue Qubit: Spectral Addressability in a Modular Two-Qubit System
Kirk	Wangenstein	An in vivo MYC partner-gene screen identifies IQGAP3 as a synthetic-lethal target in hepatocellular carcinoma
Anneka	Williams	Conifer forest photosynthetic seasonality: exploring the effect of winter severity and the efficacy of different remote sensing methodologies
Xiaoji	Xu	Peak Force Infrared Microscopy: Chemical Nanoscopy in Both Air and Liquid Phases