

Department of Chemistry
2014 Summer REU Poster Session
 July 30, 2014, 3:00-4:00 p.m.

Student & University	Class	Poster Titles	Faculty Advisers & Lab Mentors
<i>Aaron Balliet</i> <i>University of Rochester</i>	2016	"Spectral Dynamics of F8BT in Varying Solvent Qualities"	Lewis Rothberg Raj Chakraborty
<i>Danielle Barnett</i> <i>University of Rochester</i>	2015	"Effect of Adenine on Thymine Dimerization and Excited State Dynamics" (with <i>Clayton Stumpf</i>)	David McCamant Collins Nganou
<i>Andrew Bortz</i> <i>SUNY Fredonia</i>	2015	"Identification and Synthesis of Small Molecular Inhibitors of MicroRNAs 21 and 96"	Benjamin Miller Oliver Swart
<i>Jonathan Boualavong</i> <i>University of Rochester</i>	2016	"Harvesting microalgal photosynthetic electrons using microelectrode arrays with pinhole-free silica coatings"	Hitomi Mukaibo
<i>Melisa Cadena</i> <i>Texas A&M University</i>	2016	"Comparative Release of Molecules from Self-assembled Phenylalanine Derived Hydrogels"	Bradley Nilsson Wathsala Liyange
<i>Matthew Carbone</i> <i>University of Rochester</i>	2016	"Investigation of P450 BM3 Catalyzed C-H Amination using NADH Cofactor Mimics"	Rudi Fasan Josh Kolev
<i>Christa Catalfamo</i> <i>SUNY Geneseo</i>	2015	"Photoinduced Degradation of Panchromatic Chromophore for Application in Hydrogen Production"	David McCamant Dan Mark
<i>Garrick Centola</i> <i>University of Rochester</i>	2016	"Novel Strategy for Catalyst-free C-Terminal Protein Labeling"	Rudi Fasan John Frost
<i>John DeCoursey</i> <i>University of Rochester</i>	2015	"Ribosomal Synthesis of Macrocyclic Peptides"	Rudi Fasan Nina Bionda
<i>Thomas Dwyer</i> <i>Nazareth College</i>	2016	"Enhancing the Bioavailability of RAGE Inhibitors: Towards New Anti-Alzheimer's Therapeutics"	Benjamin Miller John McAnany

<i>Dylan Gaeta</i> <i>University of Rochester</i>	2016	"Synthesis of DHLA Capped PbSe Quantum Dots for Photoinduced H ₂ Generation "	Todd Krauss Amanda Preske
<i>Katherine Grasso</i> <i>University of Rochester</i>	2016	"High-Throughput Screening Method for Evolution of Orthogonal Aminoacyl tRNA Synthetases"	Rudi Fasan Andrew Owens
<i>Adam Haas</i> <i>University of Rochester</i>	2015	"Nickel Catalyzed Opening of Aziridines with Aryl Halides"	Daniel Weix Yang Zhao
<i>Michael Haggmark</i> <i>Sonoma State University</i>	2015	"Brewster Angle Straddle Interferometry (BASI) For Label Free Biomolecule Sensing"	Lewis Rothberg Xunzhi Li
<i>Connor Holt</i> <i>Mercer University</i>	2015	"Structure Activity Relationship Studies with ML 141 Analogues"	Alison Frontier Yu-Wen Huang
<i>Taylor Keller</i> <i>Millersville University</i>	2015	"ALA Synthesis and Applications of Cytochrome C's as MRI Contrast Agents"	Kara Bren Rebecca Smith
<i>Lindsay LaPaglia</i> <i>LeMoyne College</i>	2015	"Investigation of Solid State Alternatives to NMP in Iron Catalyzed Cross-Coupling"	Michael Neidig Kathlyn Fillman
<i>Qi Ying (Queenie) Li</i> <i>University of Rochester</i>	2015	"Improving the Efficiency and Regioselectivity of Parthenolide-Oxidizing P450s Via Unnatural Amino Acid Mutagenesis"	Rudi Fasan Josh Kolev
<i>Zi-Rou (JoJo) Liew</i> <i>University of Rochester</i>	2015	"Progress in the Total Synthesis of (-)-Rocaglamide via Cationic Electrocyclizations"	Alison Frontier Steve Jacob
<i>Kevin McClelland</i> <i>University of Rochester</i>	2015	"Photogeneration of H ₂ Using Aqueous CdTe Nanocrystals and <i>Shewanella</i> "	Todd Krauss Kelly Sowers
<i>Benjamin Meath</i> <i>University of Rochester</i>	2015	"Stabilization and Study of Amyloid- β Oligomers"	Bradley Nilsson John DiMaio
<i>Carlos Navarro</i> <i>Calif.State U., San Bern.</i>	2016	"Synthesizing Analogs of an Acceptorless Iron Catalyst for the Dehydrogenation and Hydrogenation of N-Heterocycles"	William Jones Aaron Walsh
<i>Andrew Olsen</i> <i>University of Rochester</i>	2016	"Nickel Catalyzed Reductive Hydroarylation of Alkynoates"	Daniel Weix Stephanie Dorn

<i>Sagar Patel</i> <i>University of Rochester</i>	2016	"Structure of Semen-Derived Enhancer of Virus Infection"	Bradley Nilsson Danielle Raymond
<i>Sarah Pristash</i> <i>University of Rochester</i>	2016	"Attempts at methane functionalization by a dicationic rhodium methyl aquo complex"	William Jones Matthew Sleck
<i>Akram Salam</i> <i>University of Rochester</i>	2015	"Utilizing Stopped Flow to Evaluate Binding of Small Molecules to HIV-1 Frameshift Stimulatory Signal (FSS) RNA"	Benjamin Miller Thomas Hilimire
<i>Clayton Stumpf</i> <i>University of Rochester</i>	2015	"Effect of Adenine on Thymine Dimerization and Excited State Dynamics" (with <i>Danielle Barnett</i>)	David McCamant Collins Nganou
<i>Nan Yang</i> <i>University of Rochester</i>	2016	"Development of Three Electrodes Ion Optics for Velocity Mapping Imaging"	James Farrar Linsen Pei

