



Department of Chemistry 2017
REU Summer Poster Session
Goergen Hall Atrium
August 2, 2017 3:00-4:00pm



Name/University	Class	Poster Title	Mentor/Advisor
Matthew Aquilina University of Rochester	2019	Deriving a Non-adiabatic Quantum Propagator	Frank Huo Sutirtha Chowdhury
Yoshimi Araki University of Rochester	2019	Ring Polymer Surface Hopping: incorporating nuclear quantum effect into non-adiabatic dynamics	Frank Huo Farnaz Shakib
Anna Claudia Fingolo Universidade Estadual de Campinas	2018	Redox properties of Cu _{2-x} S nanoparticles in comparison with Cu ₂ O nanoparticles	Katie Knowles Mehrinn Tariq
Patrick Forrestel University of Rochester	2019	Synthesis and Investigation of Novel Transition-Metal Functionalized Polyoxovanadate (MPOV) Alkoxide Clusters	Ellen Matson Lauren VanGelder
Justin Galardi SUNY Brockport	2018	Elucidation of Inactivation Mechanisms for Myoglobin-Based Cyclopropanation Biocatalysts	Rudi Fasan Antonio Tinoco
Jasmine Gomez SUNY Oswego	2019	Stimuli Responsive Self-Assembly of Amphipathic Peptides	Bradley Nilsson Jade Welch
Jiwon Han Ewha Woman's University	2015	Photocatalytic Hydrogen Generation by Using Bioengineered Proteins	Kara Bren Jen Le
Jackson Hernandez SUNY Buffalo	2018	Synthesis of a New Tridentate Bisoxazoline Ligand	Bill Jones Cassandra Hayes

(Lillian) Perry Hicks Mercer University	2019	Synthesis of Fluorescent Silica Nanoparticles for Contact Hypersensitivity Studies	Lisa DeLouise Brian Palmer
Robbin Jang University of Rochester	2019	Saturation mutagenesis of myoglobin to improve incorporation of a non-native cofactor	Rudi Fasan Eric Moore
Emma Kruger University of Rochester	2018	Late-stage functionalization of Artemisinin utilizing P450 Enzymes	Rudi Fasan Hanan Alwaseem
Joshua Lomeo University of Rochester	2020	Ligand Exchange and Synthesis of Transition Metal Oxides	Katie Knowles Jordan Andrews
Thomas Lyon University of Rochester	2018	Studies Towards the Total Synthesis of FK-506	Robert Boeckman Justin Niziol
Zachary Marshall-Carter University of Rochester		Charge Transfer Dynamics in Carbon-Nanotube-Donor and Fullerene-Acceptor Systems	Frank Huo Sharma Yamijala
Melissa Marx Alfred University	2018	CW Raman Spectroscopy of Sensitizer Anchoring Groups on TiO ₂	David McCamant Zak Piontkowski
Muhibatu Osumanu Buffalo State College	2019	Accurate non-adiabatic simulation of photochemical systems	Benjamin Miller Viktoriya Anokhina
Alessandro Rognoni University of Milan	2016	Accurate non-adiabatic simulation of photochemical systems	Frank Huo Farnaz Shakib & Sutirtha Chowdhury
Dominick Sarappa University of Rochester	2018	Synthesis and Size Control of Delafossite Phase CuFeO ₂ in Aqueous Solution	Katie Knowles David Brewster

Noah Sims University of Rochester	2018	Total Synthesis of (-)-Nakadomarin A	Robert Boeckman Kyle Rugg
Paul Sinclair University of Rochester	2020	Synthesis of Alkylidene β -Ketoesters and Amides	Alison Frontier Dylan Parsons
Gilbert Smolyak University of Rochester	2020	Synthesis of Alkylidene β -Ketoesters and Amides	Alison Frontier Eric Stoutenberg
Annie Stevens Syracuse University	2019	Identification of In Situ Iron Species in C-H Activation Reactions	Michael Neidig Theresa Iannuzzi
Jakub Vaith Imperial College of London	2018	Aryne Halo-Prins & Halo-Nazarov Synthetic Sequence towards Halo-Indenes and Indenones	Alison Frontier Georgios Alachouzos
Fredrik Vlageborg Uppsala University	2018	Femtosecond Stimulated Raman Spectroscopy of the Pt(Diimine)(Dithiolate) Chromophore toward Solar Hydrogen Evolution	David McCamant Mike Mark
Matthew Watrous University of Rochester	2020	Phenylalanine-Based Hydrogels: Synthesis and Application	Bradley Nilsson Danielle Raymond
Pawel Wojcik University of Warsaw	2017	Optical absorption of laser-dressed materials	Ignacio Franco Leopoldo Mejía
Hyerin Yoon University of Rochester	2019	Investigation of Enantiomeric Amyloid- β (16-22) Peptide Coassembly	Bradley Nilsson Danielle Raymond
Shirley Zheng University of Rochester	2019	Improving the Accuracy of Density Functional Theory Optical Rotation Calculations: Effects of Range-Separation in Hybrid Density Functionals	Brendan Mort Brendan Mort

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Special Thanks for

Photography by:

Professor Thomas Krugh

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Patrick Forrestel

(Lillian) Perry Hicks

Thomas Lyon

Melissa Marx

Muhibatu Osumanu

Annie Stevens