

Spring/Summer 2017 Advanced Degrees

Benjamin Allen: Doctor of Philosophy, Biochemistry

Dissertation title: *TBA*

Advisor: Dylan Taatjes

Setareh Azarnoush: Doctor of Philosophy, Chemistry

Dissertation title: *Processing and Properties of Polymer-Derived Ceramic Matrix Composites, Made by an Additive Manufacturing Method*

Advisor: Rishi Raj

Dmitry Baranov: Doctor of Philosophy, Chemistry

Dissertation title: *TBA*

Advisor:

Jessica Burl: Master of Science, Chemistry

Advisor: Xiang Wang

Kyle Carter: Doctor of Philosophy, Biochemistry

Dissertation title: *Evaluating and Engineering Fluorescent Tools for Studying Endoplasmic Reticulum Zinc*

Advisor: Amy Palmer

Jasper Cook: Doctor of Philosophy, Chemistry

Dissertation title: *TBA*

Advisor: Niels Damrauer

Adam Csakai: Doctor of Philosophy, Chemistry

Dissertation title: *Informing Singlet Fission Chromophore Design via Photophysical Exploration of Tetracene and Tetracene-Inspired Covalent Dimers*

Advisor: Hubert Yin

Brett Fiedler: Doctor of Philosophy, Chemistry

Dissertation title: *TBA*

Advisor: Ralph Jimenez

Daniel Firehammer: Master of Science, Chemistry

Advisor:

Jacob Greenberg: Doctor of Philosophy, Chemistry

Dissertation title: *TBA*

Advisor: Tarek Sammakia

Amanda Grennell: Doctor of Philosophy, Chemistry

Dissertation title: *Photophysics and Electron Transfer Dynamics of Type-II and Quasi Type-II Heterostructure Nanocrystals*

Advisor: Gordana Dukovic

Allison Harris: Doctor of Philosophy, Chemistry

Dissertation title: *A Kinetic and Mechanistic Study of the Photochemistry of Pyruvic Acid: Implications for the Atmosphere*

Advisor: Veronica Vaida

Alex Hopkins: Doctor of Philosophy, Biochemistry

Dissertation title: *TBA*

Advisor: Marcelo Sousa

Hyungu Kang: Master of Science, Chemistry

Thesis title: *TBA*

Advisor: Jose-Luis Jimenez

Abigail Koss: Doctor of Philosophy, Chemistry

Dissertation title: *New insights into fossil fuel volatile organic compound emissions and chemistry using H₃O⁺ and NO⁺ chemical ionization mass spectrometry*

Advisor: Joost deGouw

Jordan Krechmer: Doctor of Philosophy, Chemistry

Dissertation title: *Secondary Organic Aerosols: Development and Application of New Techniques in Chamber and Field Experiments*

Advisor: Jose-Luis Jimenez

Daniel Kroupa: Doctor of Philosophy, Chemistry

Dissertation title: *Manipulation of Colloidal Semiconductor Nanocrystal Optical and Electronic Properties via Postsynthetic Chemical Modification*

Advisor: Arthur Nozik

Jennifer Liddle: Doctor of Philosophy, Biochemistry

Dissertation title: *Biophysical characterization of MAP kinase activation and regulation*

Advisor: Natalie Ahn

Ashley Marshall: Doctor of Philosophy, Chemistry

Dissertation title: *Controlling the Photophysical Properties of Semiconductor Quantum Dot Arrays by Strategically Altering Their Surface Chemistry*

Advisor: Arthur Nozik

Marissa McKercher: Doctor of Philosophy, Biochemistry

Dissertation title: *Multimodal Recognition of Diverse Peptides by the SH2 Domains of PLC γ 1 and SH2B1*

Advisor: Deborah Wuttke

Brett Palm: Doctor of Philosophy, Chemistry

Dissertation title: *Development and Application of an Oxidation Flow Reactor to Study Secondary Organic Aerosol Formation from Ambient Air*

Advisor: Jose-Luis Jimenez

Russell Perkins: Doctor of Philosophy, Chemistry

Dissertation title: *TBA*

Advisor: Veronica Vaida

Siddarth Shukla: Doctor of Philosophy, Biochemistry

Dissertation title: *Investigation of RNA quality control pathways in RNP hypo-assembly diseases*

Advisor: Roy Parker

Christina Smith: Doctor of Philosophy, Biochemistry

Dissertation title: *Characterization of Chemical Probes for Therapeutic Intervention of Innate Immune Signaling*

Advisor: Hubert Yin

Ryo Tamura: Doctor of Philosophy, Chemistry

Dissertation title: *TBA*

Advisor: Hubert Yin

Benjamin Williamson: Master of Science, Chemistry

Advisor: Joel Eaves / Veronica Vaida

Ormacinda White: Master of Science, Chemistry

Advisor: Oana Luca

Alexandra Young: Doctor of Philosophy, Biochemistry

Dissertation title: *Live cell methods to visualize translocated Salmonella effectors and monitor Ca^{2+} transients during infection*

Advisor: Amy Palmer

Steven Strong: Doctor of Philosophy, Chemical Physics

Dissertation title: *Molecular Dynamics in Mesoscopic Equilibrium and Nonequilibrium Systems with Applications in Sustainability*

Advisor: Joel Eaves

Amelia Zutz: Doctor of Philosophy, Chemical Physics

Dissertation title: *Quantum State-Resolved Collision Dynamics of Nitric Oxide at Ionic Liquid and Molten Metal Surfaces*

Advisor: David Nesbitt