



The 2020 Organic Graduate Symposium

Friday, June 12, 2019 / 8:50 AM – 3:10 PM / VIA ZOOM

8:50 AM: Introduction

9:00 AM: Katherine Bay

“Computational Investigations of Pd-Catalyzed C-H Functionalization Reactions”

- Advisor: Prof. Kendall Houk
- Introducer: Gina Lee

9:20 AM: Ethan Rosser

“Identification and Development of Small Molecule Modulators of Nucleotide Metabolism”

- Advisors: Prof. Michael Jung and Prof. Caius Radu
- Introducer: Roy Pan

9:40 AM: Yolanda Li

“Bottom-up Strategies towards Graphene Nanoribbons with Precise Edges via a Solid-State Approach”

- Advisor: Prof. Yves Rubin
- Introducer: Emily Murzinski

10:00 AM: Andrew Smaligo

“Phosphine organocatalysis and C–C bond functionalization”

- Advisor: Prof. Ohyun Kwon
- Introducer: Jason Wu

10:20 AM: Kathryn Messina

“Polymeric Materials Improve the Stability and Delivery of Protein and Peptide Therapeutics for Diabetes”

- Advisor: Prof. Heather Maynard
- Introducer: Prier Panescu

10:40 AM: Emily Murzinski

“Development of Small Molecule Inhibitors of Ghrelin O-acyltransferase (GOAT)”

- Advisor: Prof. Patrick Harran
- Introducer: Ishika Saha

11:00 AM: Jacob Dander

“Advances in Nickel-Catalyzed Amide Carbon–Nitrogen Bond Activation Methodologies”

- Advisor: Prof. Neil Garg
- Introducer: Timothy Boit

11:20 AM: Kyle Tamshen

“Improving Therapeutic Properties of Small Molecules and Proteins through Strategic Covalent Modification”

- Advisor: Prof. Heather Maynard
- Introducer: Doug Rose

11:40 AM: Kersti Haatveit

“Computational Investigation of C–H Abstraction Selectivity by Biosynthetic Novel Enzymes and Radical-Mediated Transfer Reactions”

- Advisor: Prof. Kendall Houk
- Introducer: Katherine Bay

12:00 PM: Break

1:00 PM: Maly Cosco

“Multiplexed, *in vivo* optical imaging with shortwave infrared polymethine dyes”

- Advisor: Prof. Ellen Sletten
- Introducer: Jordan Dotson

1:20 PM: Michael Yamano

“Harnessing strained cyclic allenes as building blocks”

- Advisor: Prof. Neil Garg
- Introducer: Robert Susick

1:40 PM: Brian Shao

“C-H Insertion Reactions of Dicoordinated Carbocations”

- Advisor: Prof. Hosea Nelson
- Introducer: Sydnee Green

2:00 PM: Jordan Dotson

“Taming Radicals in the Solid State: Total Synthesis of Bis(Cyclotryptamine) Alkaloids”

- Advisors: Prof. Miguel Garcia-Garibay and Prof. Neil Garg
- Introducer: Maly Cosco

2:20 PM: Robert Susick

“The Total Synthesis of Akuammiline Alkaloids”

- Advisor: Prof. Neil Garg
- Introducer: Michael Yamano

2:40 PM: Alex Lecon Bagdasarian

“Reactivity-Driven Methodologies in C–C Bond Forming Reactions of Carbocations”

- Advisor: Prof. Hosea Nelson
- Introducer: Sepand Nistanaki

3:00 PM: Closing Remarks

