

# Molecular & Cellular Biosciences Fall 2018 Symposium

Saturday, December 8, 2018

10:00AM – 2:00PM

Science Hall, Room 126

## PROGRAM SCHEDULE

- 9:30 – 10:00 **Coffee**
- 10:00 – 10:20 **The Soto-Reyes Lab: Neuroinflammation and Behavioral Deficits**  
Bridget Boyle, Larisa Kavetsky, Zack Padron, Fawad Yousufzai
- 10:25 – 10:45 **The Nucci Lab: Adventures in Nanotechnology: Biophysical and Biomedical Fun with Nanoparticles**  
Thomas Fasano, Jacob Zangaro, Nakoa Webber, Hannah Work, Taylor Douglas, Joseph Iovine, Aubrie Weyhmiller, and Sam Ricci
- 10:50 – 11:05 **The Carone Lab: Coupling Synthetic Biology and Drug Delivery to Modify Epigenetic Programs**  
Benjamin Carone and lab members
- 11:10 – 11:30 **The Jonnalagadda Lab: Novel Small Molecules as Anti-Cancer Agents**  
Jacob Hellmig
- 11:35 – 11:50 **The Keck Lab: Medications Development for Neuropsychiatric Disorders**  
Frank DiGiorgio & Catherine Nguyen
- 11:50 – 12:10 **Light refreshments**
- 12:10 – 12:20 **The Whiting Lab: Preliminary Analysis of Electronic Cigarette Refill Liquids**  
Nicholas Evans
- 12:25 – 12:40 **The Wu Lab: Binding of Anticancer Chelerythrine to DNA G-Quadruplexes Promoters (BCL2, KRAS, and VEGF) using Molecular Dynamics Simulations**  
Alexandra Campbell
- 12:45 – 1:00 **The Wu Lab: Survey of GPCR Structures for Understanding Activation Mechanism & Virtual Screening**  
Stephen Ahwin and John Alviar
- 1:05 – 1:20 **The Krummenacher Lab: Establishing Conditions for Antiviral Drug Testing in Vitro**  
Sydnee Gould
- 1:25 – 1:40 **The Krummenacher Lab: Evolution of Nectin-1, an Adhesion Molecular & Receptor for Herpes Simplex Virus**  
Dowd Naik
- 1:45 – 2:00 **The Alpaugh Lab: Development of a High Throughput, High content Phenotypic Anticancer Drug Screening Platform**  
Andrew Milcarek and Kevin Daus

*Thank you to the students and faculty mentors without whose efforts and dedication this event would not be possible.*