

# 5<sup>TH</sup> ANNUAL SUMMER RESEARCH CELEBRATION

Location: Bonnie Auditorium

Date: October 10<sup>th</sup>

This past summer, seventeen amazing student-faculty collaborative projects were funded through the Summer Undergraduate Research Fellowships (SURF) program. Now they are all coming together to share their findings.

Oral Session 1: 11:00 am-  
12:15 pm

1. **James Board** - "Modeling Tick Populations Through Differential Equations"
2. **Kimber Cheek** - "The Effects of Cranial Growth and Architecture on Pediatric Blunt Force Trauma Survivability"
3. **Melissa Kesterson** - "Effect of Phenazine Derivatives on Mosquito Survival and Virus Replication"
4. **Alex Atwood** - "The Detection and Quantification of Trenbolone in Laboratory, Field, and Tissue Samples Through Use of High Performance Liquid Chromatography"
5. **Laura Purser** - "Study of the Removal of Pollutants from Water Through the Synthesis and Characterization of Biorenewable Polymers using DL-Lactide"

Poster Session 1: 12:30 pm  
– 1:45 pm

1. **Chelsey Dietzel** - "Physical and Behavioral Study of the Amazonian Freshwater Stingray"
2. **Adaisha Cole and Lizzy Kunde** - "An Interprofessional Examination of the Effects of Music Therapy and Speech Language Pathology on the Development of Play Skills in Young Children"
3. **Nicole Diambra** - "How Dance Travels: Dance in the Amazon"
4. **Taylor Lewis** - "Computational Modeling of the AS1/AS2 Complex"
5. **Camille Hamway** - "The Effects of Animal-Researcher Interaction on Brain Stress Levels in Rats"

## Oral Session 2: 2:00 pm – 3:15 pm

1. **Kris Moore** - “Synthesis and Encapsulation of Organic Pollutants in Aqueous Environments”
2. **Evan Cowling** - “Synthesis of Novel Xenophilic Metal Clusters”
3. **Conner Philson** - “Impact of Anthropogenic Environmental Disturbances on Primate Feeding Behaviors Measured Via A Custom-Designed Micro-Computer Enabled Feeding Device”
4. **Dharmindra Dulal** - “Effects of Nonylphenol on the Development of Mosquitofish”
5. **Morgan Bishop** - “Arch Form and Function Effects on Knee Pain in Collegiate Track and Field and Soccer Athletes”

## Poster Session 2: 3:30 pm – 4:45 pm

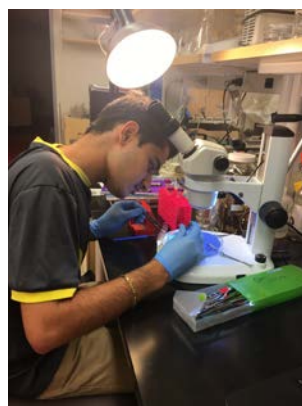
1. **Matt Koldewey** - “Lateral Movement Changes Resulting from Training on the Better Movement Systems Suspension System Exercise Machine”
2. **Lauren Boush** - “The Effect of Physical Activity on Pain and Social Interaction in Persons with Cerebral Palsy”
3. **Justin Archer** - “Learning to Fly (with flies): The Effects of Vespa Amino Acid Mixture on Mitochondrial Defect Induced Locomotion Disorders in *Drosophila Melanogaster*”

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