



**Oral Presentations: PRISM**

**9:00AM-12:30PM, Ruffner 116**

9:00AM – William Kish (Faculty Mentor: Dr. Sujana Henkanaththegedara), “Physio-chemical effects on vernal pool communities in High Bridge Trail State Park”

9:15AM – Victoria Acosta (Faculty Mentor: Dr. Sujana Henkanaththegedara), “Vernal Pool richness and diversity of species at High Bridge Trail State Park”

9:30AM – Jordan Howard (Faculty Mentor: Dr. Troy Purdom), “Evaluation of running anaerobic sprint test (RAST) in division 1 female soccer players across the summer and competitive seasons”

9:45AM – Matthew Bowman (Faculty Mentor: Dr. Benjamin Campbell), “Concept Models as Planning Tools for Practicing Science Teachers”

10:00AM – Meagan St. John (Faculty Mentor: Dr. Erin Shanle), “The use of CRISPR/Cas9 to identify and target bromodomain mutations of p300 in cancer”

10:15AM – Lauren Johnson (Faculty Mentor: Dr. Benjamin Topham), “A computational study of single molecule electronics”

10:30AM – Derek Holmberg (Faculty Mentor: Dr. Kenneth Pestka), “The Physical and Acoustic Analysis of Wooden Baseball Bats Using Resonant Ultrasound Spectroscopy”

10:45AM – Dakota Martin (Faculty Mentor: Dr. Julian Dymacek), “Hybrid Distributed Constrained Non-negative Matrix Factorization”

11:00AM – Jordan Berkompas (Faculty Mentor: Dr. Thomas Wears), “The Geometry of Curves and Surfaces via Moving Frames”

11:15AM – Caitlin Harris (Faculty Mentor: Dr. Erin Shanle), “Using Yeast as a Model Organism to Study Cancer Mutations”

11:30AM – Cody Hyle (Faculty Mentor: Dr. Denis Trubitsyn), “Determining the molecular mechanisms effecting the morphology of bacterial magnetic crystals”

11:45AM – Dillion Tennis (Faculty Mentor: Dr. Christopher Labosier), “Is there an urban heat island in Farmville, Va?”

12:00PM – Lindsey Sparrock (Faculty Mentor: Dr. Catherine Franssen), “Effects of Aquatic Therapy on Salivary Cortisol in Autistic Versus Non-Autistic Children”