

Acknowledgements

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11th Annual **SUMMER RESEARCH CELEBRATION**

October 3rd, 2023

RADFORD
UNIVERSITY



11th Annual

SUMMER RESEARCH CELEBRATION



This past summer, the Summer Undergraduate Research Fellowships (SURF) program funded 23 remarkable and diverse student-faculty collaborative projects.

The following schedule provides the times students will be presenting.

Thank you for supporting these students with your presence; we hope you will be inspired to reach for new knowledge in your field of interest!

10:00 – 10:50am Poster Session I

Emily Brandow – mentored by **Dr. Jason Davis**

“Sick” of Stress? Social Stress and Its Effects on Neuroendocrine and Immune Response in Zebra Finches

Ashley Glover – mentored by **Dr. Sekyung Jang**

Black Professionals in Music Therapy: Perspective and Approaches when Working with Black Americans and Mental Health

Madison Rader – mentored by **Dr. Sarah Foltz**

Burial Practices Leading Us to Drinking the Dead

Austin Swallow – mentored by **Dr. Jason Davis**

*Sex and Sociality and Their Influence on Neurocognition and Behavior in Australian Zebra Finches (*Taeniopygia guttata castanotis*)*

Katie Wheeler – mentored by **Dr. Sara O’Brien**

Partnerships & Plastics: Using Wildlife Carcasses to Identify Microplastics

11:30 – 12:15pm Film Screening

Dorian Starr – mentored by **Dr. West Bowers**

Men of the Mountains

12:30 – 1:45pm Oral Presentations I

Tom Ausburne – mentored by **Dr. Chet Bhatta**

Antimicrobial Properties of Propolis in Southwestern Virginia

Brennan Hays Cox – mentored by **Dr. Nathaniel Lahn**

Transformation Invariant Pattern Recognition

Jamison Reddy – mentored by **Dr. Steven McBride**

The Effects of Manganese on Plastic Degradation

2:00 – 3:15pm Oral Presentations II

Cora Burt – mentored by **Dr. Joe Wirgau**

Beyond the Classroom: Workforce Readiness through Undergraduate Research Experiences

Eni Szabad – mentored by **Dr. Sandra Liss**

Gravitational Wave Analyses

Brittle Williams – mentored by **Dr. Jeff Aspelmeier**

Pluralistic Ignorance: Attitudes Toward Transgender Individuals

3:30 – 4:00pm Oral Presentation III

Nicholas Beach – mentored by **Dr. Jason Davis** and **Dr. Paul Thomas**

Nature and Mind: Exploring the Impact of Nature Based Interventions

4:00 – 4:50pm Poster Session II

Jenna Blanchette – mentored by **Dr. Matthew Eckard**

Using Endocannabinoid Therapies to Reduce Immediate Early Gene Activation in Rats During Cannabinoid Withdrawal

Lauren Craddock – mentored by **Dr. Md Shamim Sarker**

Optimizing the Prevalence of Multiple Infections Using Adaptive Pooled Testing

MegAnne Gilmore – mentored by **Dr. Laura Gruss** and **Dr. Cassidy Urista**

The Study of Valgus Angle and its Effects on Human Biomechanics

Angelina Walters – mentored by **Dr. Laura Gruss** and **Dr. Cassidy Urista**

The Study of Valgus Angle and its Effects on Human Biomechanics

Katerina Peters – mentored by **Dr. Andrea Barrick**

Domestic Violence Survivors, Protection Orders, and the Intermediate Appellate Courts

Jackson Hunter – mentored by **Dr. Tay Keong Tan** and **Ms. Rachel Sharrett**

Cryptoassets and the Next Great Recession

Luke Quesenberry – mentored by **Dr. Tay Keong Tan** and **Ms. Rachel Sharrett**

Killer Robots and the Coming AI Apocalypse

Sonya Sanie – mentored by **Dr. Tay Keong Tan** and **Ms. Rachel Sharrett**

Zoonotic Outbreaks and the Next Pandemic