



Saturday, September 24, 2022



CHRISTOPHER NEWPORT UNIVERSITY
OFFICE OF UNDERGRADUATE
RESEARCH AND CREATIVE ACTIVITY

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Christopher Newport University's Summer Scholars Program is an eight week, in-residence, summer program for students and faculty to collaboratively work on a faculty-derived research question. Program participants (Student Research Fellows) work collaboratively with a CNU faculty member and are a part of a summer community of scholars. The goals of the program are to develop enhanced research and communication skills, provide opportunities to become better acquainted with Tribble Library's scholarly resources, and expand inquiry and problem-solving capabilities. Thanks to OURCA Summer Scholars Assistant Rachel Locke, OURCA Administrative Assistant Michaela Baux, and OURCA Student Fellow Olivia Brubaker.

We hope you enjoy the work of this year's Summer Scholars.

Dr. David A. Salomon
Director, Office of Undergraduate Research and Creative Activity

- >Poster Session 1: 9:00–9:50 (Rosemary Tribble Reading Room)
 - >Poster Session 2: 10:00–10:50 (Rosemary Tribble Reading Room)
 - >Oral Presentations A: 9:00–11:00 (Library Theater)
 - >Oral Presentations B: 9:00–11:00 (Library 208)
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9:00–9:50am: POSTER SESSION 1 Rosemary Tribble Reading Room

- **Samantha Le**, "The Overexpression of the Snakeskin Gene and its Effect on Protein Aggregation in the Brain and Muscle" (Dr. Anna Salazar, Neuroscience & Molecular Biology and Chemistry)
- **Summer Duba**, "Investigating Body Shape Variation and Change in Zoarcoidei Fishes" (Dr. David Collar, Organismal and Environmental Biology)
- **Julianne Bieron**, "'You Call It Honor, We Call It Dishonor'": Counterstorytelling & Confederate Monuments in Isle of Wight County, Virginia" (Dr. Brooke Covington, English)
- **Lauren Stone**, "Conceptualization and Realization of Theatrical Design: Scene Design Work for TheaterCNU's Production of The Spitfire Grill" (Dr. David Shuhy and Professor Tanya Sweet, Theatre and Dance)
- **Caroline Hayes**, "Geoscience, Archaeology and History: The Holocaust in Eastern Europe" (Dr. Richard Freund, Philosophy and Religion)
- **Chloe Younce** "Bridgerton's Paratextual Influence on Social Media: Televisual Fandom and Media Convergence on TikTok" (Dr. Michaela D.E. Meyer, Communication Studies)
- **Daniel Calvano**, "Histological and Molecular Techniques for Examining Protein Expression in Brains of Mouse Models of Autism Spectrum Disorder" (Dr. Jessica Burket, Molecular Biology and Chemistry)
- **Zachary Kempf**, "The Establishment and Early Years of the Department of War" (Dr. Phillip Hamilton, History)
- **Daniel Ferrante**, "Exploring Gravitational Lensing with Gravlens" (Dr. Jessica Kelly, Mathematics)
- **Ian Conner**, "Photomultiplier Tube Characterization for CLAS12 at Jefferson Lab" (Dr. William Phelps, Physics, Computer Science and Engineering)
- **Caitlyn Russ**, "Alcohol-Related Behaviors in Mice Lacking Tau Protein" (Dr. James Bogenpohl, Molecular Biology and Chemistry and Neuroscience)
- **Reuben Laryea**, "The Effects of Linkers: Towards Anticancer Drug Development" (Dr. Kathryn Cole, Molecular Biology and Chemistry)
- **Cynthia Craig**, "The Abortion Attitudes of Young Millennials" (Dr. Michelle Barnello, Political Science)
- **Emery Moore**, "The Generalization of Learned Behaviors in Rats" (Dr. Matthew Campolattro, Psychology and Neuroscience)

ORAL PRESENTATIONS A

Tribble Library Theater

- **9:15: Keelin Scanlon Dvorak**, "Plato's Story of Creation" (Dr. Betsy Jelinek, Philosophy and Religion)
- **9:30: Colin Goodpasture**, "Dulce Est Desipere In Loco: A Comparative Analysis of Horace's Odes 1.3 and 4.12" (Dr. Jana Adamitis, Modern and Classical Languages and Literatures)
- **9:45: Luke Jackson**, "'Wishing To Be the Discovery of What Is': Plato on the Necessary Intersection of Education and Law" (Dr. Brent Cushner, Leadership and American Studies)
- **10:00: Madison Payne**, "Understanding Teacher Reactions to A Shifting Social and Legal Landscape; Educators' Perceptions of Laws Limiting Teaching of Race, Sexuality, and Other Social Identities" (Dr. Jane Rochmes, Sociology, Social Work and Anthropology)
- **10:15: Meagan Dewsbury**, "Curating the Josephine L. Hughes Special Collection" (Mr. Steve York and Mr. Matthew Shelley, Tribble Library)
- **10:30: Michael Lowry**, "LIGO Glitch Rate & Lasso Over Longer Periods of Time" (Dr. Marissa Walker, Physics, Computer Science and Engineering)
- **10:45: Clara R. Salazar**, "The Genetic Transformation of *Ideonella sakaiensis* Through Bacterial Conjugation" (Dr. Todd Grueber, Molecular Biology and Chemistry)

ORAL PRESENTATIONS B

Tribble Library 208

- **9:00: Colin Bunn**, "Farming and Philosophy" (Dr. John Thompson, Philosophy and Religion)
- **9:15: McKenzie Hurley**, "Revolutionary Russia and the Birthplace of Modern Terrorism: Ideologies and Motivations" (Dr. Deirdre Harshman, History)
- **9:30: Reagan Connelly**, "'Off to Dixie and Adventure': The Dakota War and Civil War Diaries of George W. Buswell, 7th Minnesota Infantry and 68th U.S. Colored Troops" (Dr. Johnathan White, Leadership and American Studies)
- **9:45: Hannah K. Crawley**, "The Heart of Darkness: The Dark Tetrad and Empathy" (Dr. Gayle Dow, Psychology)
- **10:00: Levi Langolf**, "Pedagogical Methods in Elementary-level Aural Skills" (Dr. Chelsey Hamm, Music)
- **10:15: Caden Stark**, "Developing Algorithms for Characterizing Slowly Varying Noise in LIGO Gravitational-Wave Detectors" (Dr. Marissa Walker, Physics, Computer Science and Engineering)
- **10:30: Celina Paoletta**, "Quantification of Alpha & Beta Acid Profiles of Hop Cultivars as a Function of Growth Region" (Dr. Ronald A. Quinlan, Molecular Biology and Chemistry)
- **10:45: Alexander Zannelli**, "Automated Analysis of Gravitational Wave Data in Response to Fast Radio Bursts" (Dr. Ryan Fisher, Physics, Computer Science and Engineering)

10:00-10:50: POSTER SESSION 2

Rosemary Tribble Reading Room

- **Chloe Sullivan**, "A Social History of North Africa During the Second World War: A Look Inside the U.S. State Department" (Dr. David Stenner, History)
- **Courtlan Grinder**, "The Effect of Temperature on Fast-Start Performance of Striped Killifish" (Dr. Jessica Thompson, Organismal and Environmental Biology)
- **Kelsey Shearon**, "Biomedical Relationship Extraction with Knowledge Infusion" (Dr. Samuel Henry, Physics, Computer Science and Engineering)
- **Joshua McCloud**, "The Application of the Raspberry Pi in Artificial Intelligence" (Dr. Costa Gerousis, Physics, Computer Science and Engineering)
- **Daniel Ferrante**, "Exploring Gravitational Lensing with Gravlens" (Dr. Jessica Kelly, Mathematics)
- **Alexandra Sears**, "Revenge and Gender in Inns of Court Plays" (Dr. Jessica Apolloni, English)
- **Nicholas Russo**, "Nanoporous Composite for the Removal of Co(II) Ions Removal from Aqueous Media" (Dr. Tarek Abdel-Fattah, Molecular Biology and Chemistry)

- **Abigail Heimbach**, "Understanding Rho-1 and its Involvement in DTC Migration in *C. elegans*" (Dr. Christopher Meighan, Neuroscience and Molecular Biology and Chemistry)
- **Michael Dwight Sparks**, "Agriculture and Inequality in Massachusetts in the Era of Shays Rebellion" (Dr. Frank Garmon, Leadership and American Studies)
- **Sean McEachin**, "Framework for Automating the Detection of Branding Element Similarity" (Dr. Priya Deshpande, Physics, Computer Science and Engineering)
- **Jack Lynam**, "Hybrid Methodologies for Clinical Named Entity Recognition" (Dr. Samuel Henry, Physics, Computer Science and Engineering)
- **Samuel David Dickinson**, "AWC vs. Salt" (Dr. Rob Atkinson, Organismal and Environmental Biology)
- **Katherine Wagner**, "Interfacial Affinity of Pyruvate in Reverse Micelles" (Dr. Joshua Patterson, Molecular Biology and Chemistry)

Unable to present today:

- **Eliza Fitzpatrick**, "Climate Change, Ecology, and Identity among the Virginia Tribes" (Dr. Chris Loy, Sociology, Social Work, and Anthropology)
- **Jackson M. Walker**, "Reactive migration of Virtual Network Functions on Resilience based Fog Networks" (Dr. Nazli Siasi, Physics, Computer Science, and Engineering)
- **Carter Young**, "Mapping Food Security, Food Justice, and Food Sovereignty: A Scoping Review of Urban Agriculture Research" (Dr. Federica Bono, Sociology, Social Work, and Anthropology)

