CNU

*Christopher Newport University*

# SUMMER SCHOLARS

2022

*July 28, 2022: Closing Reception*
*(DSU Ballroom)*

*August 17, 2022: Faculty/Administration Showcase*
*(Peebles Theater Lobby)*

# Christopher Newport University Summer Scholars 2022

With thanks to Provost David Doughty, Vice Provost David Heddle, Administrative Assistant Michaele Baux, OURCA Assistant Rachel Locke, and all the dedicated CNU faculty mentors

- Julianne Bieron, *"You Call It Honor, We Call It Dishonor": Counterstorytelling & Confederate Monuments in Isle of Wight County, Virginia,* Dr. Brooke Covington (English)
- Colin Bunn, *Farming and Philosophy,* Dr. John Thompson (Philosophy and Religion)
- Daniel Calvano, *Histological and molecular techniques examining protein expression in brains of mouse models of autism*, Dr. Jessica Burket (Molecular Biology and Chemistry/Neuroscience)
- Eliza Fitzpatrick, *Climate Change, Ecology and Identity among the Virginia Tribes*, Dr. Christopher Loy (Sociology, Social Work and Anthropology)
- Reagan Connelly, *"Off to Dixie and Adventure": The Dakota War and Civil War Diaries of George W. Buswell*, Dr. Jonathan White (Leadership and American Studies)
- Ian Conner, *Photomultiplier Tube Characterization for CLAS12 at Jefferson Lab*, Dr. William Phelps (Physics, Computer Science, and Engineering)
- Cynthia Craig, *The Abortion Attitudes of Young Millennials*, Dr. Michelle Barnello (Political Science)
- Hannah Crawley, *Into the Heart of Darkness: The Dark Tetrad and the Four Factors of Empathy*, Dr. Gayle Dow (Psychology)
- Meagan Dewsbury, *Curating The Josephine L. Hughes Special Collection*, Mr. Steve York and Mr. Matthew Shelley (Trible Library)
- Samuel Dickinson, *Atlantic White Cedar (AWC) vs. Salt*, Dr. Rob Atkinson (Organismal and Environmental Biology)
- Summer Duba, *Investigating Body Shape Variation and Change in Zoarcoidei Fishes,* Dr. David Collar (Organismal and Environmental Biology)
- Keelin Scanlon Dvorak, *Plato's Story of Creation,* Dr. Betsy Jelinek (Philosophy and Religion)
- Daniel Ferrante, *Exploring Gravitational Lensing with Gravlens*, Dr. Jessica Kelly (Mathematics)
- 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)
- Courtlan Grinder, *The Effect of Temperature on Fast-Start Performance of Striped Killifish*, Dr. Jessica Thompson (Organismal and Environmental Biology)
- Caroline Hayes, *Geoscience, Archeology, and History: The Holocaust in Eastern Europe*, Dr. Richard Freund (Philosophy and Religion)
- Abigail Heimbach, *Understanding Rho-1 and its involvement in DTC migration of C. elegans*, Dr. Chris Meighan (Molecular Biology and Chemistry)
- Shaun Henry, *Workplace Bullying: A Black Eye on American Employment Law*, Dr. Linda Ficht (Accounting and Finance)
- Mckenzie Hurley, *Revolutionary Russia and The Birth of Modern Terrorism: Ideologies and Motivations*, Dr. Deirdre Harshman (History)
- Luke Jackson, *Wishing to Be The Discovery of What Is: Plato on the Nature and Aims of Law*, Dr. Brent Cusher (Leadership and American Studies)

- Zachary Kempf, *The Establishment and Early Years of the Department of War*, Dr. Phillip Hamilton (History)
- Levi Langolf, *Pedagogical Methods in Elementary-level Aural Skills*, Dr. Chelsey Hamm (Music)
- Reuben Laryea, *The Effects of Linkers: Towards Anticancer Drug Development*, Dr. Kathryn Cole (Molecular Biology and Chemistry)
- Samantha Le, *The Overexpression of the Snakeskin gene and its effect on protein aggregation in Drosophila*, Dr. Anna Salazar (Molecular Biology and Chemistry/Neuroscience)
- Madeleine Lorenger, *Biology, Chemistry, and Biochemistry for People who are not Biologists, Chemists, and Biochemists*, Dr. Lisa Webb (Molecular Biology and Chemistry)
- Michael Lowry, *Glitch Rate in the LIGO Detectors Over Longer Periods of Time*, Dr. Marissa Walker (Physics, Computer Science, and Engineering)
- Jack Lynam, *Clinical entity extraction using machine learning and domain knowledge*, 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)
- Sean McEachin, *Framework For Automating the Detection of Branding Element Similarity*, Dr. Priya Deshpande (Physics, Computer Science, and Engineering)
- Emery Moore, *The Generalization of Learned Behaviors in Rats*, Dr. Matthew Campolattaro (Neuroscience)
- 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)
- 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)
- Dylan Pruitt, *Digitization of historic topographic maps to extract the spatial evolution of the Patios de Vecinos in La Línea, Spain*, Dr. Federica Bono (Sociology, Social Work and Anthropology)
- Brisa Rasmussen, *Visual Discrimination Learning in Male and Female Rats*, Dr. Olga Lipatova (Neuroscience)
- Caitlyn Russ, *Alcohol-related behaviors in mice lacking tau protein*, Dr. James Bogenpohl (Molecular Biology and Chemistry)
- Nicholas Russo, *Composite Nanomagnetite-Immoboilized-Zeolite on the Surface of Biochar for the Magnetic Solid Phase Extraction of Pb(II)*, Dr. Tarek Abdel-Fattah (Molecular Biology and Chemistry)
- Clara Salazar, *The Genetic Modification of Ideonella sakaiensis Through Bacterial Transformation*, Dr. Todd Gruber (Molecular Biology and Chemistry)
- Alexandra Sears, *Revenge and Gender in Inns of Court Plays*, Dr. Jessica Apolloni (English)
- Kelsey Shearon, *Knowledge-base Integration for Biomedical Information Extraction*, Dr. Samuel Henry (Physics, Computer Science, and Engineering)
- Michael Sparks, *Weather, Income, and Living Standards in the Early American Republic*, Dr. Frank Garmon (American Studies)
- Caden Stark, *Developing Algorithms for Characterizing Slowly Varying Noise in LIGO Gravitational-Wave Detectors*, Dr. Marissa Walker (Physics, Computer Science, and Engineering)

- Lauren Stone, *Conceptualization and Realization of Theatrical Design: Associate Scene Design Work for TheaterCNU's Production of The Spitfire Grill*, Dr. David Shuhy and Professor Tanya Sweet (Theater and Dance)
- Chloe Sullivan, *A Social History of North Africa During the Second World War: the U.S. State Department's Handle on Public Perception*, Dr. David Stenner (History)
- Katherine Wagner, *Interfacial Affinity of Pyruvate in Reverse Micelles*, Dr. Joshua Patterson (Molecular Biology and Chemistry)
- Jackson Walker, *Real-time migration schemes of Virtual Network Functions in Fog Computing*, Dr. Nazli Siasi (Physics, Computer Science, and Engineering)
- Chloe Younce, *Bridgerton's Paratextual Influence on Social Media: Televisual Fandom and Media Convergence on TikTok*, Dr. Michaela Meyer (Communication Studies)
- 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)
- Alexander Zannelli, *Automated Analysis of Gravitational Wave Data in Response to Fast Radio Bursts*, Dr. Ryan Fisher (Physics, Computer Science, and Engineering)

The CNU OURCA is pleased to partner with the Hampton Roads Academy; thanks to Ben Rous, HRA Head of Upper School and Director of College Counseling. Selected CNU Summer Scholars served as peer research mentors for students at the Hampton Roads Academy:

HRA 2022 Student Fellows: Ashley Foretich, Kai Florance, Rudrani Ghoshal, Aanya Khayat, Chance McCary, Nora Middleton, Eric Wei

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