



POSTER SESSION ONE
Henry Hood Center for Health Research || Ground Floor
9:30-10:45 a.m.

#1 **Sabine Harvey**, Bloomsburg University
Pain Assessment in Hospital Residents and Fellows
Categories: Arts, Humanities and Social Sciences / Studies of Health and Wellness across disciplines
Mentor: Brandon Lang

#2 **Justin Robbins**, Bloomsburg University
Assessing the Impact on the Performance of Players with Families in the NBA
Categories: Arts, Humanities and Social Sciences / Life Sciences
Mentor: Richard Paulsen

#3 **Jessica Kaneski**, Bloomsburg University
Marijuana Use, Academic Success, and Attention Abilities in Undergraduate College Students
Categories: Arts, Humanities and Social Sciences / Studies of Health and Wellness across disciplines
Mentor: Jennifer Johnson

#4 **Robert Taylor**, Bloomsburg University
Effectiveness of Current Mental Wellness Resources for Criminal Justice Professionals
Categories: Arts, Humanities and Social Sciences / Studies of Health and Wellness across disciplines
Mentor: Kelly Roth

#5 **Dana Grigsby**, Bloomsburg University
Attitudes and Opinions of Prison Officials and Students on Prison Reform: A Qualitative Study
Categories: Arts, Humanities and Social Sciences / Studies of Health and Wellness across disciplines
Mentor: Christopher Podeschi

#6 **Qixiao (Jimmy) Zhu**, Bucknell University

The Implementation of Augmented Reality and Low Latency Protocols in Musical Instrumental Collaborations

Categories: Engineering, Computer Science and Natural Sciences / Arts, Humanities and Social Sciences

Mentor: Paul J. Botelho

#7 **Elizabeth Misner**, Susquehanna University

Mutation of Threonine 87 in Histone H2A.Z Affects Protein Levels in Chromatin

Categories: Engineering, Computer Science and Natural Sciences / Life Sciences

Mentor: Michael Parra

#8 **Emily Larkins**, Susquehanna University

*The Importance of a Conserved Threonine Residue for the Function of H2A.Z in the Yeast *Saccharomyces cerevisiae**

Categories: Engineering, Computer Science and Natural Sciences / Life Sciences

Mentor: Michael Parra

#9 **Julie Pinchiaroli**, Bucknell University

Microscale mechanics of actin-intermediate filaments composite networks

Categories: Engineering, Computer Science and Natural Sciences / Life Sciences

Mentor: Bekele Gurmesssa

#10 **Warren Wang**, Bucknell University

Applications of Motion Tracking in Temporally Coherent Echocardiography Video Segmentation

Categories: Engineering, Computer Science and Natural Sciences / Life Sciences

Mentor: Joshua V. Stough

#11 **Jeffrey Cai**, Bucknell University

Domain Adaptation on Segmentation of Echocardiography

Categories: Engineering, Computer Science and Natural Sciences / Studies of Health and Wellness across disciplines

Mentor: Joshua V. Stough

#12 **Nick Huo**, Bucknell University

Facial Nerve Paralysis Severity Grading by Computer Vision and Machine Learning

Categories: Engineering, Computer Science and Natural Sciences / Studies of Health and Wellness across disciplines

Mentor: Keith Buffinton & Joshua V. Stough

#13 **Alexandra Jacquez-Armenta**, Bloomsburg University

Genetic Variants Associated with Blood Clots, Aneurysms, and Strokes

Categories: Life Sciences / Studies of Health and Wellness across disciplines

Mentor: Abby Hare-Harris

#14 **Zachary Cline & Aislinn Shilcusky**, Susquehanna University
*The drift fence hypothesis: Testing an adaptive function for projectile directional defecation in the purseweb spider *Atypus karschi**
Categories: Life Sciences / Engineering, Computer Science and Natural Sciences
Mentor: Matthew Persons

#15 **Leah McCartney**, Bloomsburg University
Are earthworm body wall synapses both cholinergic and GABAergic? Fluorescent staining of VIAAT and VACHT
Categories: Life Sciences / Engineering, Computer Science and Natural Sciences
Mentor: William Coleman

#16 **Taylor Styer**, Bloomsburg University
Covid-19: The Consequences on Undergraduate Nursing Education
Categories: Life Sciences / Arts, Humanities and Social Sciences
Mentor: Jennifer Johnson

#17 **Mackenzie Ferguson**, Bucknell University
Transient Storage Zones & Civil Infrastructure Interactions in Local Streams near Lewisburg, PA
Categories: Engineering, Computer Science and Natural Sciences / Life Sciences
Mentors: Jessica Newlin

#18 **Jessica Lineen**, Bucknell University
Obesity and Immunity: Impact of the adipose gene on bacterial pathogenesis
Categories: Life Sciences / Engineering, Computer Science and Natural Sciences
Mentor: Moria Chambers

#19 **Elisa Piraino**, Geisinger
Implementation and Evaluation of a Mail Order Pricing Tool
Categories: Studies of Health and Wellness across disciplines / Life Sciences
Mentor: Melissa Kern

#20 **Victoria Hall**, Bucknell University
Effect of Subthalamic Nucleus Deep Brain Stimulation on Levodopa and Dyskinesia Reduction in Parkinson Disease
Categories: Engineering, Computer Science and Natural Sciences / Studies of Health and Wellness across disciplines
Mentor: Karlo Malaga

#21 **Manuel Gutierrez**, Bloomsburg University
Effect of Epigallocatechin-3-gallate (EGCG) and PPAR β / δ Activation in a Human Carcinoma Cell Line
Categories: Studies of Health and Wellness across disciplines / Life Sciences
Mentor: Michael Borland

#22 **Yuhan Chen**, Bucknell University

Debugging the Get-2-Goal Medical App

Categories: Engineering, Computer Science and Natural Sciences / Studies of Health and Wellness across disciplines

Mentor: Lea Wittie

#23 **Marianne Voigt**, Bucknell University

Modeling the Effects of Femoral Anteversion on Joint Loads in the Hip

Categories: Engineering, Computer Science and Natural Sciences / Studies of Health and Wellness across disciplines

Mentor: Benjamin Wheatley

#24 **Molly Gill**, Geisinger

Genome Wide Association Studies of Quantitative Traits in MyCode Cohort

Categories: Studies of Health and Wellness across disciplines / Engineering, Computer Science and Natural Sciences

Mentor: Tooraj Mirshahi