Virtual Undergraduate Research & Scholarship Competition Award Winners 2020

Office of Research

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VIRTUAL POSTER COMPETITION

Center for Community-Engaged Teaching and Research
CETR Award for Undergraduate Research
Modeling the Effects of Fentanyl and Narcan on the Opioid Epidemic in Allegheny County
Lindsay Moskal & Lauren Sines
Bayer School of Natural & Environmental Sciences | Chemistry & Biology
Faculty Advisor: Dr. Rachael Miller Neilan, Ph.D

Center for Teaching Excellence
Award for Undergraduate Research
Using Online Learning and Gamification to Enhance Reasoning Skills
Sarah Coffman
Bayer School of Natural & Environmental Sciences | Forensic Science and Law
Faculty Advisor: Lyndsie Ferrara, Ph.D.

Counselor Education Program
Award for Undergraduate Research
Mind Over Matter: The obstacles and importance of providing psychological care to collegiate athletes
Elizabeth Wayne
McAnulty College and Graduate School of Liberal Arts | Psychology
Faculty Advisor: Alexander Kranjec, Ph.D

Gumberg Library
Gumberg Library Award for Undergraduate Research
DNA Sequencing to Support Species-level Identification of Freshwater Sponges in Western Pennsylvania
Emily Simon
Bayer School of Natural & Environmental Sciences
Faculty Advisor: Brady Porter, Ph.D

Honors College
Outstanding Poster
Interracial Relations: History and Cultural Identity in The Invention of Wings
Taylor Hopkins
Honors College
Faculty Advisor: Dr. Erin Speese

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1st Place - Outstanding Poster
Agent-Based Modeling of Cell-Type Specific and Pain-Related Neural Activity in the Amygdala During Neuropathic Pain
Gabrielle Majetic, Rachael Neilan, Ph.D. (faculty), Benedict Kolber, Ph.D. (faculty), Yarimar Carrasquillo, Ph.D. (National Center of Complementary and Integrative Health, National Institutes of Health faculty), Anisha Adke (National Center of Complementary and Integrative Health, National Institutes of Health postbaccalaureate research fellow)
McAnulty College and Graduate School of Liberal Arts & Bayer School of Natural and Environmental Sciences | Biomedical Engineering
Faculty Advisor: Rachael Neilan, Ph.D.

2nd Place - Outstanding Poster
Speech-to-Text Assistive Technology: Frequency and Patterns of Miscued Word-Sound Errors Across Three Commonly Used Applications
Gianna Grasso, Maria Tina Benno, Cassondra Griger, Braelyn Tracy
School of Education & Rangos School of Health Sciences | Speech-Language Pathology (Grasso), Education (Benno, Griger & Tracy)
Faculty Advisor: Sarah Wallace, Ph.D., CCC-SLP

3rd Place - Outstanding Poster
Central Line Associate Blood Stream Infections
Julia Streeter
School of Nursing | Nursing
Faculty Advisor: Susan Kelly, Ed.D, MSN, RN, CMSRN, CNE, CHSE

Phi Kappa Phi
POSTER AWARDS
1st Place
DNA sequencing to support species-level identification of freshwater sponges in western Pennsylvania
Emily Simon
Bayer School of Natural and Environmental Sciences | Biology
Faculty Advisor: Brady Porter, Ph.D

2nd Place
Latin Graffiti as a Tool for Political Campaigns
Julia Cardinal
McAnulty College and Graduate School of Liberal Arts | History
Faculty Advisor: Sarah Miller, Ph.D
Undergraduate Research & Scholarship Virtual Competition
Sponsored by the Office of Student Research

AWARD WINNERS - MAY 11, 2020

Rangos School of Health Sciences
Rangos School of Health Sciences Award
Assessment of Abdominal Aortic Aneurysm Geometry and Its Association with Hypoxia
Frank Guarinoni, Alexander Guy
Biomedical Engineering | Rangos School of Health Sciences
Faculty Advisor: Rana Zakerzadeh, Ph.D.

School of Nursing
School of Nursing Undergraduate Research Award
Understanding Nursing Students’ Attitudes and Knowledge in Caring for People with Disabilities
Cassidy Kaczor, Ashley McDaniel
School of Nursing | Nursing
Faculty Advisor: Rebecca Kronk

PAPER COMPETITION AWARD WINNERS
Center for Teaching Excellence
Award for Undergraduate Research
Project-Based Learning in Social Statistics: Direct and indirect assessment of student learning outcomes
Zachary Weiland, Nicole Marshall
McAnulty College and Graduate School of Liberal Arts
Faculty Advisor: Cathleen Appelt, Ph.D.

Center for Women’s and Gender Studies
Award for Undergraduate Research
Female Roles in Antiquity: The Dichotomy Between the Stage and the Page
Bella Biancone
McAnulty College and Graduate School of Liberal Arts | Political Science and History
Faculty Advisor: Sarah Miller, Ph.D

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PAPER AWARDS
1st Place - Outstanding Paper
Modeling the Effects of Fentanyl and Narcan on the Opioid Epidemic in Allegheny County Using Mathematics
Lindsay Moskal, Lauren Sines
McAnulty College and Graduate School of Liberal Arts & Bayer School of Natural and Environmental Sciences | Biology (Sines) & Chemistry (Moskal)
Faculty Advisor: Rachael Neilan, Ph.D.
2nd Place - Outstanding Paper
**Claude Debussy and Kamasi Washington: “Clair de Lune”**
Madeleine Brawley
Mary Pappert School of Music | Music Therapy
Faculty Advisor: Benjamin Binder Ph.D

3rd Place - Outstanding Paper
**A microfluidic platform for high-throughput screening of aquaporin performance**
Adriana Del Pino Herrera, Jordan Hoydick, Rachel Rauh, Elyssa El-hajj, Madison Burchfield
Rangos School of Health Sciences | Biomedical Engineering
Faculty Advisor: Melikhan Tanyeri Ph.D

**VIDEO COMPETITION AWARD WINNERS**

**Honors College**
Outstanding Video: 2 awards
**Making my Brother a Pop-Star**
Jonah Hanlon
Mary Pappert School of Music | Music Education
Faculty Advisor: Rev. James McCloskey, C.S.Sp., Ph.D

**Dynamics Near Absolute Zero Temperatures**
Katelyn Spadavecchia
Bayer School of Natural and Environmental Sciences | Physics
Faculty Advisor: Michael Huster, Ph.D

**Office of Disability Services**
Outstanding Undergraduate Research
**Behind the Red Door: Occupational Therapy at St. Anthony’s Life Skills Apartment**
Olivia Van Dyke, Abigail Rubino, Bridget Newns, Avery Musiak, Alyssa Boccardi
Rangos School of Health Sciences | Occupational Therapy
Faculty Advisor: Amy Mattila, Ph.D, OTR/L

**Office of Diversity and Inclusion**
Outstanding Undergraduate Research
**Downtown Outreach Center and Shelter**
Sophia Kosmides, Tyler Boseck, Matthew Jockers
Rangos School of Health Sciences | Occupational Therapy
Faculty Advisor: Amy Mattila Ph.D, OTR/L
Office of Research

VIDEO AWARD

**Anti-Semitism in Medieval Art**
Erin Ridge
Classical Civilizations & Philosophy School | McAnulty College of Liberal Arts
Faculty Advisor: Amy Cymbala, Ph.D.

VIDEO AWARD

**Popping China’s Bubble: An explanation of the conflict between economic health and the Chinese Dream**
Alexander Wolfe
Economics School | McAnulty College of Liberal Arts
Faculty Advisor: Matt Ryan