

Duquesne University

Duquesne Scholarship Collection

Undergraduate Research and Scholarship Symposium

2020-01-01

Virtual Undergraduate Research & Scholarship Competition Award Winners 2020

Office of Research

Follow this and additional works at: <https://dsc.duq.edu/urss>

Virtual Undergraduate Research & Scholarship Competition Award Winners 2020. (2020). Retrieved from <https://dsc.duq.edu/urss/2020/proceedings/1>

This Paper is brought to you for free and open access by Duquesne Scholarship Collection. It has been accepted for inclusion in Undergraduate Research and Scholarship Symposium by an authorized administrator of Duquesne Scholarship Collection.

Undergraduate Research & Scholarship Virtual Competition

Sponsored by the Office of Student Research

AWARD WINNERS - MAY 11, 2020



Undergraduate Research & Scholarship Virtual Competition

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

Undergraduate Research & Scholarship Virtual Competition

Sponsored by the Office of Student Research

AWARD WINNERS - MAY 11, 2020

Faculty Advisor: Dr. Erin Speese

Office of Research

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, Cassandra 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 McDanald

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 Weland, 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.

Office of Research

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.

Undergraduate Research & Scholarship Virtual Competition

Sponsored by the Office of Student Research

AWARD WINNERS - MAY 11, 2020

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

Undergraduate Research & Scholarship Virtual Competition

Sponsored by the Office of Student Research

AWARD WINNERS - MAY 11, 2020

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