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Twelve Students Awarded Alumnae Undergraduate Research Grants

EVANSTON, Ill. --- The Alumnae of Northwestern University is pleased to honor 12 students who have been named as recipients of the Alumnae Undergraduate Research Grants. Funding for these grants comes from The Alumnae Centennial Endowment for Undergraduate Research, established in 2016 to commemorate the organization's 100th anniversary. The Endowment, administered by the Office of Undergraduate Research, supports students from all academic areas, giving them opportunities to develop and complete independent research and creative projects across a wide range of fields. These students will work with faculty sponsors this summer to explore answers to questions raised by research projects from many fields of study.

Peter Civetta, director, Office of Undergraduate Research, shared the experience of one previously funded student: "Doing research has also made me fall in love with learning again! I think school can be such a busy time that learning can start getting negative associations with stress, but taking the time to build on my own passions and having the opportunity to learn directly from teachers in the field was such a refreshing experience. I never really saw myself being capable of being published in all the academic journals I have previously read about in other classes, but undergoing a similar process to produce knowledge has inspired me to potentially pursue graduate education in the future and trust the knowledge and expertise I do have."

"The Alumnae is proud to be a part of this learning experience for undergraduates and excited to have 12 students given this opportunity in 2022 – all made possible through The Alumnae's Centennial Endowment," adds The Alumnae president Carolyn Krulee.

Recipients of $4,000 grants and their sponsors are:

Barnum, Lucia
"Nabeela Syed and the Rise of Gen Z Politicians: Their Impact on Local Campaigns, Grassroots Organizing, and Community Engagement" (a Podcast)

Lucia, a freshman, Medill School of Journalism, Media, Integrated Marketing Communications (J), is studying journalism. **Sponsor**: Jonathan Marshall, associate professor, journalism.

Campbell, Cam
"The Killing Mistake: A Modern Depiction of the Black American Experience Through Poetry & Short Stories"

Cam, a sophomore, Weinberg College of Arts and Sciences (WCAS), is studying legal studies. **Sponsor**: Averill Curdy, professor, English.

Choi, Hahrim
"Psychological Effects of Racial Discrimination and Racial Trauma on Gen Z Asian Americans"

Hahrim, a junior (WCAS), is studying psychology and Asian American studies. **Sponsor:** Patricia Nguyen, professor, Asian American studies.

Chou, Joy
"Subversion of Musical Expectations: An Exploration of Harmonic Progressions in K-Pop"

Joy, a sophomore, Bienen School of Music (BSM), is studying music cognition and psychology. **Sponsor**: Richard Ashley, associate professor (BSM).

Dovgalyuk, Mark
"The Intersection of Weightlifting and Classical Singing."Weightlifting for Singers," a Vocal Pedagogy Guide"

Mark, a freshman (BSM, WCAS) is studying voice and opera performance. **Sponsor**: Jonelyn Langenstein, assistant professor, Voice, Speech, Language & Swallowing Center.

Dudley, Elizabeth
"When Time is Money: Temporal & Budget Dynamics in Education Crowdfunding"

Elizabeth, a sophomore (WCAS), is studying economics and art history, with a design studies certificate. **Sponsor**: Elizabeth Gerber, professor, mechanical engineering & communication studies (WCAS).

Hartman, Laya
"Increasing the Visibility of Female Basketball Players in Popular Media: The story of several black high school girls basketball players as they navigate their own paths to success."

Laya, a junior, School of Communication (C), is studying communications, with an entrepreneurship minor, and an IMC certificate. **Sponsor**: Marco Williams, professor (C).

Liu, Rosalie
"Queer Multiple Minority Identities on Screen: a Surveillance Study Approach"

Rosalie, a junior (C), is studying comparative literature Radio/TV/Film. **Sponsor:** Domietta Torlasco, professor, comparative literary studies (C).

Razzak, Emaad
"Spatial and Temporal Visualization of Stress Signaling during Lung Epithelial Repair"

Emaad, a junior (WCAS), is studying biology. **Sponsor**: Cara Gottardi, associate professor, Feinberg School of Medicine (FSM).

Small, Dana
"Isotopic Analysis of Calcium Present in Calcium Carbonate Precipitating Inoceramid Fossils from the Western Interior during Ocean Anoxic Event 2 as a Means of Measuring the Environmental Impact of Large Scale Carbon Dioxide Outgassing"

Dana, a junior (WCAS), is studying earth and planetary science, as well as dance. **Sponsor**: Andrew Jacobson, professor, earth and planetary sciences.

Wei, Anastasia
"Building Unprecedentedly-Sized Sample of White Dwarf Explosions Discovered by Zwicky Transient Facility (ZTF)"

Anastasia, a freshman (WCAS), is studying physics and data science (prospective). Sponsor: Adam Miller, assistant professor, physics and astronomy (WCAS).
Title: Assistant Professor

Wu, Audrianna
"PET Upcycling with Humicola insolens cutinase Stabilized in a Zirconium Metal-Organic Framework"

Audrianna, a senior (WCAS), is studying chemistry and piano. **Sponsor**: Omar Farha, professor, chemistry (WCAS).

The Alumnae of Northwestern University is an all-volunteer organization of women that raises funds for a wide range of projects to benefit Northwestern while sharing the university's academic resources with the community through its Continuing Education Program. Founded in 1916, The Alumnae has given more than $9.5 million to the university in the form of grants, fellowships, scholarships, an endowed professorship, funding for special university projects, and summer internships. For more information, visit The Alumnae website (www.nualumnae.org).

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