

UNDERGRADUATE RESEARCH & CREATIVE WORKS

URCW OF HIGH POINT UNIVERSITY'S OFFICIAL MONTHLY
NEWSLETTER

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Celebrating Women's
History Month

March 2018



OUR MISSION:

The mission of the Office of Undergraduate Research and Creative Works program at High Point University is to engage undergraduates in student-faculty collaborations that reflect individual and unique scholarly and imaginative experiences which promote the development of new competencies and foster critical thinking, providing students with privileged opportunities to add to the sum of human knowledge.

ENTERING THE FINAL STRETCH

As we wrap up March, we approach the final full month of this academic year. Along with our usual updates of deadlines and grant recipients, The Office of Undergraduate Research & Creative Works is proud to highlight some of our seniors as they complete their degrees and make plans for their futures. We know how important a role research and creative work plays into careers of all types, and our department is happy to congratulate students who have taken advantage of HPU's many opportunities.



High-PURCS:

WHEN?

Tuesday, April 10th
@12:45-5PM

WHERE?

Phillips,
The Empty Space Theater,
and Slane

WHAT?

Students from all schools, majors, and minors are invited to HPU's 6th annual Research and Creativity Symposium (High-PURCS). This event is held once a year to showcase a diverse spread of student scholarship in a supportive environment that models a professional venue. Presentations include posters, oral speeches, brief performances, and exhibits covering a variance of academic and creative disciplines.

Check out this year's stats:

3

Art Exhibitions

3

Dance Performances

40

Oral Presentations

98

Poster Presentations

4

GENERAL SCHEDULE:

12:45-1:20
Phillips 120

Opening Remarks and Awards

1:30-2:30
Phillips 2nd Floor

Oral Presentation Session I:

Spanish I; Psychology; Chemistry; History I; Human Relations I; Physics; Religion

1:30-2:30
Empty Space Theatre

Dance Performances

2:30-3:30
Phillips 2nd Floor

Oral Presentation Session II:

Spanish II; English; Pharmacy; History II; Human Relations II; Physics II; Math; Economics

3:30-5:00
Slane Court

Posters, Art Exhibits, and Reception



HPU RESEARCH AND CREATIVITY SYMPOSIUM

WHO?

This year, we are proud to announce that we will be hosting 161 student presenters. Check our website for updates on when and where the following students' presentations will take place.

Abrahams, Samuel
Alioto, Emilie
Allen, Joshua
Anderle, Sarah
Andrulis, Maggie
Armentrout, Phillip
Arnold, Kellilyn
Barker, Helen
Barksdale, Emma James
Barnes, Haley
Barrett, Grace
Barry, Kayla
Beard, Brianna
Beckmann, Gianna
Bemiller, Kim
Benz, Ian
Berndsen, Rachel
Botsko, Gina
Boudreaux, Thomas
Brady, Erin
Bruggeman, Brianna
Burns, Morgan
Campbell, Kaylee
Casey, Ryan
Cedrone, Alexandria
Chulla, Kaylee
Clancy, Padraig
Collier, Robert
Cooley, Taylor
Coppetti, Kaitlyn
Corcoran, Kyle
Corigliano, Michael
Crisp, Logan
Crudele, Julianna
Cutrona, Nicholas
Davis, Kaylah
De Poortere, Mary
Demshar, Megan
Desmarais, Shelby
Dillaway, Kelly
Dillon, Peyton
DiMaggio, Catarina

Dixon, Hannah Lee
Dodson, Galen
Driskell, Shannon
Dunbar, Conner
Easter, Seth
Estes, Heather
Evans, Drew
Fair, Haley
Falgiano, Peter
Fass, Joanna
Felton, Ryan
Filingeri, Amanda
Fisher, Kelly
Fleischhacker, Devyn
Fleming, Hunter
Francis, Heather
Frankel, Heather
Frazzini, Cristian
Fulk, Caitlin
Funchion, John
Gibney, Kate
Gillard, Kyra
Gilmore, Monet
Giuliani, Collin
Glass, Robert
Glenn, Celia
Goldburt, Abigail
Greengrove, Eva
Grifasi, Isabella
Hahn, Emily
Hameline, Alexandra
Harris, Lauren
Henderson, Madeline
Hendrix, Matthew
Hicks, Hannah
Hobday, Amy
Hockenjos, Thomas
Holland, Allison
Holt, Elisabeth
Houpt, Christopher
Houston, Hayley
Huang, Liv

Hudson, Emma
Hutchens, Zackary
Ishikawa, Mei
Jackson, Kennedy
James, Katie
Jansen, Kristina
Judice, Sarah
Johnson, Christopher
Johnson, Michele
Kantor, Jenny
Ketcham, Kiersten
Krisfalusi, Jordan
Lambert, Dakotah
Lancaster, Jacob
Lauterbach, Claire
Le, Hannah
Ledford, Storm
Lee, Deanna
Lee, Soo Min
Levin, Lexin
Lloyd, Paige
Luttrell, Gillian
Lyon, Emily
Macklin, Riley
MacQueen, Victoria
Maldonado, Melanie
Martins, Melissa
Mastropietro, Sarah
Mattingly, Elisa
McCorkle, Courtney
McDermott, Christian
Meek, Alanna
Mullen, Christina
Naylon, Seanna
Newton, Alexis
O'Brien, Juliana
Odegaard, Kelly
Passero, Marita
Pennycuff, Kayla
Penton, Molly
Pereira, Mariana
Pferdmenges, Lauren

Putnam, Chris
Ramey, Kaylor
Rawlings, Kennae
Reagan, Allie
Rexha, Annie
Riles, Johnelle
Rolson, Benjamin
Ross, Deja
Roth, Nolan
Schall, Zachary
Schiro, Ashlynn
Schmidtman, Lindsay
Seitz, Harrison
Shore, Isaac
Siplon, Jessica
Smith, Amanda
Smith, Gabrielle
Sonia, Shannon
Sprouse, Alexandra
St. Germain, Daniel
Storo, Katharine
Talbot, Shauna
Trautman, Julia
Trevisani, Chris
Uzzi, Sarah
Valencia, Juliana
Vasquez Soto, Alan
Villarreal, Fernanda Aimee
Webb, Logan
Welter, Michael
West, Jennifer
Willans, Brooke
Wilson, Carrie
Xu, Lauren
Yost, Carla

URCW GRANT RECIPIENTS

Gabrielle Smith

was awarded a small project support grant for her pharmacy research in which she is studying the effects of alcohol on certain parts of the brain.

Of the project, Smith has said:

"This experience will distinguish me from other candidates when I apply to pharmacy school as it will allow me to understand the pharmacology component behind one of many real life situations from a behavioral pharmacology standpoint as a future pharmacist."

Small Project Support Grants

are available to support student research projects by providing seed money needed for the project or creative work, or to support any other legitimate purpose that encourages undergraduate research or creative works in their area.

Students can apply at:

<http://www.highpoint.edu/urcw/hpu-grants/>

Christian Mcdermott & Joshua Allen

were sponsored to present exercise science research at the Association of Southeast Biologists Conference in Myrtle Beach, SC with faculty mentors Nicole Hughes and Kevin Suh.

Sarah Anderle & Elisa Mattingly

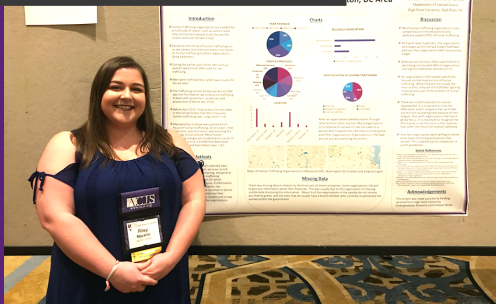
were sponsored to present literary research at the Sigma Tau Delta English Honor Society annual convention in Cincinnati, OH with faculty mentor Matthew Carlson. URCW also sponsored Emily Burke, Keaton Case, Jared Lindsay, and Raegan Thomas, to attend the conference.

Pharmacy students

Gianna Beckmann, Lauren Harris, Isabella Grifasi, Eva Greengrove, and Courtney McCorkle have been sponsored to present at The National Conference on Undergraduate Research in Oklahoma City, OK in April with faculty mentors Aurijit Sarkar, Alex Marshall, and Bradley Clark.

PRESENTATION RECAPS:

Riley Macklin



Riley presented research at the 55th Annual Meeting of the Academy of Criminal Justice Sciences in New Orleans, LA.

"I got to sit in many interesting panels including topics from the death penalty, hate crimes, human trafficking, and much more. I had the opportunity to listen to an officer of the DEA speak to the Alpha Phi Sigma honor society about the opioid epidemic that is currently sweeping the nation and met professors, students, and other criminal justice professionals."

Senior English majors and writing center tutors Jared Lindsay, Alexis Newton, Sarah Pattisall, and Jessica Joyce presented at the Southeastern Writing Center Association Conference with faculty mentor Leah Schweitzer.

"Together, the students thought through the practicalities of teaching students to read feedback with a growth mindset and apply it to both present and future writing projects."

Writing Tutors



URCW IS PROUD TO HAVE SPONSORED THESE STUDENTS

SENIOR SPOTLIGHTS

Preparing for graduation...

REBECCA ULRICH

Rebecca is a Biochemistry major with a minor in Physics. During her time at HPU, she has served as Chief of Staff of SGA and President of ACS club, been a university ambassador, and volunteered at a community clinic. Rebecca started research in Chemistry with Dr. Megan Blackledge the second semester of her freshman year. Her first project studied corrum sensing in bacteria, particularly in ecoli, and explored medicinal development that would specifically target certain types of bacteria. She then started another project in the same field. Both have been presented at several different conferences, including Southeast Regional Meeting of the American Chemical Society. She plans to attend a Ph.D. program in Chemistry next year and has been accepted by a number of prestigious programs. Now she just has to choose.



"In my first semester I walked into my faculty's office and said I wanted to be involved in research. After over a year of work on that first project, new literature came out that refuted our hypothesis and we were forced to find a different angle. This taught me that constantly changing your goals is an important part of the discovery process. I've learned to be flexible and change accordingly to each new piece of data. And that applies to everything in life."

ALLISON HOLLAND

Allison is an International Relations and Philosophy double major with minors in Economics and Environmental Studies. During her time at HPU, she had been involved in the coed service fraternity Alpha Phi Omega, Club Volleyball, Panther PAL program, and the University Honors program. In her junior year, URCW sponsored Allison to present her environmental research at the State of North Carolina Undergraduate Research and Creativity Symposium (SNCURCS). She later was accepted to an extremely competitive internship at Superior Fresh, and relied heavily on her prior research and presentation in her application. Upon graduation, Allison will be traveling to West Africa with the Peace Corps to work on community economic development and sustainable agriculture.

"This May, I have a 3-week working in aquaponics, a form of sustainable agriculture. I think that my background in researching greenwashing helped me stand out from the many applicants and eventually get the position. Then in September, I'll be leaving for Benin, Western Africa with the Peace Corps, where I'll essentially be doing environmental economics, so I think that my initial research at SNCURCS built the background for me in this field."



The Department of Undergraduate Research congratulates these students for their contributions to research and wishes them the best in all future endeavors.

URCW CELEBRATES: WOMEN'S HISTORY MONTH



Rita Levi-Montalcini

Rita earned her medical degree despite her father's disapproval of women's education. Unfortunately, she wasn't able to find a job doing medical research due to anti-Jewish laws under Mussolini. But neither her father nor a fascist dictator stopped her from pursuing her dreams. She continued research throughout World War II from a lab she built in her bedroom then immigrated to the U.S. in the 1950s. She went on to co-discover Nerve Growth Factor, which earned her a Nobel Prize in 1986.



Christine Concile Mann Darden

After starting out as one of NASA's human computers, she rose through the ranks to develop programs that simulated sonic booms and methods for predicting and minimizing them. She was also instrumental in finding ways to lessen their more negative effects, like noise pollution and depleted ozone. She's published more than 50 pieces on sonic boom prediction and supersonic flow.

Lise Meitner received private tutoring as a young woman, then became one of the first women to receive a Ph.D. from the University of Vienna. She later was the first female physics professor in Germany. The rise of the Nazi party forced her to immigrate to the Netherlands, but her contributions were immortalized with element 109, Meitnerium, which was discovered and named after her death.



Lise Meitner

Barbara is most widely known for discovering certain sequences of DNA that can change locations within the gene. When this happens, it can affect how the gene is expressed. Officially known as "transposable elements," they are often referred to as "jumping genes." While some of these mutations are harmless, others are responsible for diseases like hemophilia and breast cancer. In 1983 McClintock became the first woman to be awarded an unshared Nobel Prize in Physiology or Medicine — a record she still holds.



Barbara McClintock

Patricia invented the Laserphaco Probe, a device that improved treatment for cataract patients. She has four patents related to cataract treatment that are used internationally. It's thanks to her that the removal of cataracts is safer and more painless. She also co-founded the American Institute for the Prevention of Blindness, a non-profit organization that helps to treat preventable blindness. People around the world owe their vision to Patricia and her inventions.

Patricia Bath



Facts and photos from:
www.aplus.com/
www.buzzfeed.com/

UR&W

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