

UNDERGRADUATE RESEARCH & CREATIVE WORKS

URCW OF HIGH POINT UNIVERSITY'S OFFICIAL MONTHLY
NEWSLETTER



SEPTEMBER 2017

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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.

WELCOME BACK!

The Office of Undergraduate Research & Creative Works is excited to welcome back faculty and students to another extraordinary year at High Point University! We would like to inform you of recent student accomplishments as well as future opportunities available within the realm of collaborative research and creative works. We hope to inspire you with student success and encourage you to enrich your own undergraduate experience with such projects.

SUMMER RESEARCH PROGRAMS

SuRI

The Summer Research Institute (SuRI) is open to undergraduates in all disciplines. Students are required to identify a faculty mentor with whom they will work during their summer research period and describe the project goal, method, and timeline. Students live on campus for free for the duration of the research, as long as they are not enrolled for the summer.

PARTICIPANTS 2017:

Katie James, Molly Torres, Helen Barker, Noah Coates, Lucie Kirby, Kyra Gillard, Haley Fair, Brianna Bruggeman, Yasmene Dergham, Deanna Lee, Ben Rolison, E. Graham Davis, Amanda Vo, Josh Allen

PARTICIPANTS 2017:

Kellilyn Arnold, Erin Brady, Kaylee Campbell, Taylor Cooley, Nick Cutrona, Hanna Lee Dixon, Lindsay Fadel, Sarah Forget, Heather Francis, Robert Glass, Emily Hahn, Matthew Hendrix, Brandon Inscoe, Sarah Giudice, Christopher Johnson, Colin Mesa, Lauren Pferdmenges, Annie Rexha, Amanda Smith, Julia Trautman, Jonathan Ware, Michael Welter, Brooke Willians, Noah Worley, Carla Yost

SuRPS

The Summer Research Program in the Sciences (SuRPS) is a competitive program for 26 research assistant positions with faculty in biology, chemistry, or physics. These competitive awards come with free campus housing, meals, and a summer stipend. Students are expected to work approximately 40 hours per week, and participate in this program as their sole endeavor during this time frame.

SuRF

SuRF is a competitive program for up to 10 research assistant positions with faculty in the Health Sciences. These competitive awards come with free campus housing and a summer stipend. Students involved in this program publish manuscripts with faculty in esteemed peer-reviewed journals and consistently present their findings at national and international scientific symposium.

PARTICIPANTS 2017:

Michelle Aube, Gregory Crisafulli, Trevor Hallaway, Thomas Hockenjos, Elisabeth Holt, Zachary Schall, Katherine Storo, Conor Whicker

In addition to their research, the students also attended team bonding events, presentation practice, resume workshops, and a special dinner hosted by the Provost.



SUMMER RESEARCH SPOTLIGHT

ELDERLY RESIDENTS

SHARE STORIES WITH HPU STUDENT

CONDUCTING RESEARCH

"I know from my own experience that listening to an elderly member tell stories about their past brings a huge smile to their face. I want to know if getting them to talk about their past in detail and often will help them feel solidified in their identity, help them realize their life was worth something and help them feel good about all that they've experienced and accomplished."



Other Summer
Research Recaps

STUDENTS ATTEND ASTROPHYSICS CONFERENCE



Dr. Brad Barlow and astronomy students attended an international conference held in Krakow, Poland. They joined astronomers from around the world in presenting research, debating controversies in the field and discussing priorities for the research community. Barlow and junior Thomas Boudreaux both gave oral presentations at the conference, and senior Zack Hutchens gave a poster presentation.

From left to right: Paddy Clancy, Zack Hutchens
Dr. Brad Barlow and Thomas Boudreaux.



"Nearly all of the participants were professors or Ph.D. students," says Barlow. "Our undergraduate students did a tremendous job disseminating their research results at the conference and representing High Point University and our physics department. The conference also included a rich social program that allowed our group to enjoy day trips to the Polish countryside, Krakow Old Town and the Wieliczka Salt Mine, where Copernicus himself walked 500 years ago."

STUDENT ATTENDS SELECTIVE SUMMER RESEARCH PROGRAM

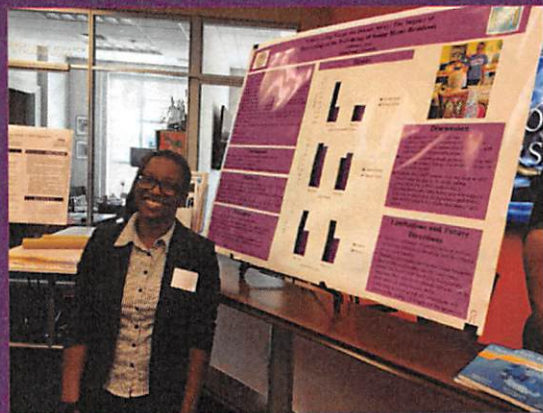
Rebecca Ulrich, a senior biochemistry major at HPU, conducted research at Carver College of Medicine as a participant in the Summer Undergraduate MSTP Research Program.

"HPU has provided me with the rigorous academic coursework and research experiences to help me succeed in a lab at a large medical research institution. While my research in Iowa was much different than my research in the chemistry department at HPU, I have been successful because of the foundational research skills and critical thinking skills I learned at HPU."



SUMMER RESEARCH INSTITUTE (SURI) FAMILY WEEKEND POSTER SESSION

Congratulations to **Josh Allen, Helen Barker, Katie James, Noah Coates, Graham Davis, Amanda Vo, Haley Fair, Brianna Bruggeman, Jesse Coulson, and Deanna Lee** on a job very well done at the Summer Research Institute (SuRI) Family Weekend Poster Session.



RECENT RECIPIENTS OF URCW GRANTS

APPROVED AND COMING SOON

COMPLETED PRESENTATIONS:

DEVYN FLEISCHHACKER & JENNY KANTOR

each presented sports biomechanics research at the American College of Sports Medicine Annual Conference in Denver, Colorado this past June under the mentorship of Dr. Jeffrey Taylor.

JESSICA SIPLON & STEVEN SAFILLE

also presented at the National ACSM in Denver. Each presented research on physical therapy under the mentorship of Dr. James Smoglia.

ALLY HAMILTON

presented at the National ACSM in Denver as well. Hamilton presented exercise science research on the relationship between the consumption of curcumin and exertional heat stress under the mentorship of Dr. Matthew Kuennen

CONNOR WHICKER

presented at the National Athletic Trainers' Clinical Symposia and AT Expo in Houston, Texas this past June. He presented his research on athletic training under the mentorship of Dr. Yum Nguyen.

THANK YOU FOR REPRESENTING HPU

THOMAS BOUDREAU

will present at American Astronomical Society Conference in Washington DC this coming January his research on the "Voices of Stars".

TARA JUE & MALLORY VEREZ

will perform at the Dumbo Dance Festival Brooklyn, New York this coming October to perform faculty member Lindsey Howie's work while showcasing their own artistic talents.

CARRIE WILSON & MOLLY PENTON

will present at the 2017 Annual Meeting of the American Society for Cell Biology in Philadelphia, under the mentorship of Dr. Veronica Segarra.

AMANDA SMITH AND CARLA YOST

will present the Entomological Society of America Conference in Denver, Colorado this coming November on chemical and genetic research, respectively, under the mentorship of Dr. Jackson Sparks.

DAN ST. GERMAIN

will present an original video game for hearing impaired at the Conference on Accessibility in Film, Television, and Interactive Media in York, United Kingdom this coming October under the mentorship of Mr. Brian Heagney.

LUCIE KIRBY, HANNAH BIEHL, & JESSICA COULSON

will present research on faith-based jail programming at The Criminal Justice Milieu in New Orleans, LA under the mentorship of Dr. Thomas Dearden.

MICHELE JOHNSON

presented a poster on her exercise science research under the mentorship of Dr. Roger Vaughan at the National American College of Sports Medicine paid through her awarded grant this past June. This conference provided her with a multitude of professional experience, and she has now successfully presented her work at the state, regional, and national level.



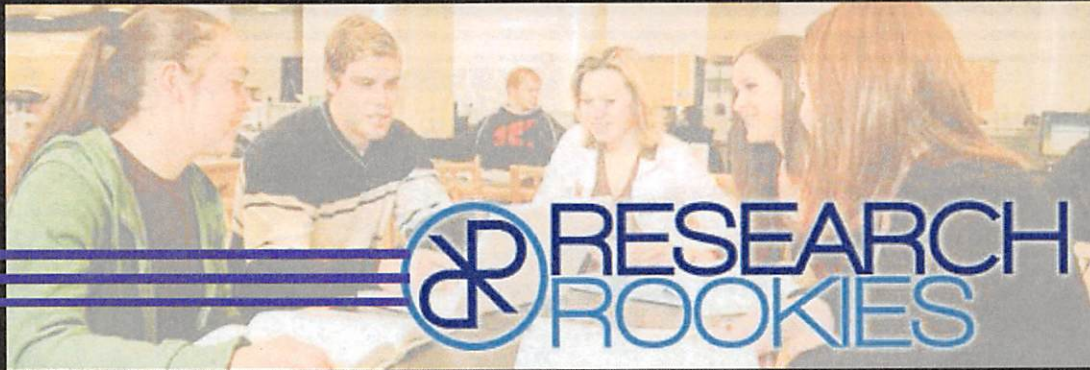
SUMMER SPOTLIGHT

THE DEPARTMENT OF UNDERGRADUATE RESEARCH AND CREATIVE WORKS
CONGRATULATES THESE STUDENTS FOR THEIR DEDICATION TO RESEARCH.

FIND MORE INFORMATION ON OUR GRANT PROGRAM AT:

<http://www.highpoint.edu/urcw/summer-research-opportunities-at-hpu/>

→ How can I get involved?



The High Point University **Research Rookies Program** works to incorporate students into the university's culture of research and creative work, early in their undergraduate careers. The program is designed to create a community of undergraduate scholars and help build research-related skills to prepare students for faculty collaborative scholarship that makes an original contribution to one's field. Getting involved in research or creative works in college helps students build unique credentials to distinguish themselves from among the 2 million other students they will graduate and compete with for jobs or entrance into graduate and professional schools!

Freshmen and first semester Sophomores who wish to participate in the Research Rookies Program have two consecutive semesters to complete a series of 15 activities and one mini-research project. The activities include completing online assignments, participating in workshops, and attending discussions. Some activities are required for all members of the program and the remaining ones can be selected from a set of options. These activities are designed to help students build skills in all facets of the scholarly process. Students who complete the process are granted the title of Research Apprentice.



PRESENTS OUR NEWEST RESEARCH APPRENTICES:

Gianna Beckmann	Taylor Parks
Rose Bliesner	Samantha Savrides
Jenny Carpenter	Katie Schmidtman
Nicole DiGiallorenzo	Kelsey Spruill
Haley Fair	Katharine Storo
Eva Greengrove	Taylor Tidman
Bella Grifasi	Isabella Van Wittenberghe
Claire Lauterbach	



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