



UNDERGRADUATE RESEARCH & CREATIVE WORKS NEWSLETTER

March 2016



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Welcome to Spring, High Point!

From all of us here in the Undergraduate Research and Creative Works office, we hope you had a wonderful March and enjoyed the introduction to North Carolina's beautiful Spring! As a department, we work hard to keep students and faculty aware of opportunities and accomplishments in the realm of collaborative research and creative works. We are so excited to share the huge number of students that received travel grants to attend conferences and meetings related to their research.



Congratulations to the HPU students accepted to NCUR!

Seven of High Point's students were accepted to the 2016 National Conferences on Undergraduate Research. These students will be joining thousands of other young scholars from many different universities and different areas of academic learning in celebrating and promoting undergraduate research and achievement. This year's conference will be held at the University of North Carolina in Asheville.

Big congratulations to our students and their mentors:

- Rebecca Ulrich** – Dr. Meghan Blackledge
- Jessie Drew & Noah Coates** – Ms. Allison Walker
- Calla Telzrow & Jenny Marshall** – Dr. Andrew Wommack
- Mathew Beck** – Dr. Melissa Srougi
- Hallie Stidham** – Dr. Briana Fiser

Mission Statement



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, and provide students with privileged opportunities to add to the sum of human knowledge.



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Senior Spotlight: Hallie Stidham

To the Moon and Back (Almost)

What is cooler than space? An HPU student who, through her work with the Physics department, got to a chance to compete in a competition for NASA.

Hallie Stidham is a senior physics and mathematics major with a minor in computer science here at HPU. She has completed three undergraduate experiences during her four years.

Her first undergraduate research experience was with Dr. Titus in the physics department working with non-inertial reference frames. In this project she helped create “classroom-friendly videos of motion in non-inertial reference frames where fictitious forces are required in order to apply Newton’s laws.”

Her second experience with undergraduate research here at HPU was with Dr. Barlow on “HPU’s Chip ‘n’ Shop and NASA Micro-g NExT Program Experience.” During this experience, Hallie worked with a team of other students to design and construct a “rock chip sampling device for microgravity bodies.” Once they built this machine, Hallie and her team travelled to NASA to test the device in the Neutral Buoyancy Laboratory at the Johnson Space Center in Houston, Texas. Most recently, Hallie has been accepted as a presenter at this year’s 2016 National Conferences on Undergraduate Research (NCUR) in Asheville, NC. She will be presenting the work she completed with Dr. Fiser in the physics department titled “The Macrorheological Properties of Agarose as Compared To Human Lung Mucus.”

After all this research experience you can believe Hallie has one impressive resume. One that helped her get an internship at CERN in Switzerland for her 2015 summer. More recently, Hallie has been accepted to three Graduate schools for mechanical engineering: Clemson, NC State, and Worcester Polytechnic Institute. While she hasn’t decided where she wants to go yet, she has plenty of great options.

Hallie credits a large portion of her success to all her experiences here at HPU doing undergraduate research. Her numerous instances of research have provided her with real life, hands-on experience and have added to her resume, giving her an added edge over other students. These experiences also allowed her to expand her network to professionals all over the country, and globe.



Good luck in graduate school, Hallie!

Congratulations to Students awarded Travel Grants!

This month we are excited to award a large number of grants to students traveling to conferences associated with their research and creative work. From last year, the number of students attending conferences has increased dramatically.

There has been a 90% increase in students attending the National Academy of Sports Medicine National Meeting in the past year. The number of students attending the Annual Meeting of Southeastern Biologists has also increased by 92% over the past few years. This increase can be directly tied to summer research, specifically the SURPS program. Keep up the awesome work, students!

<i>Conference to Attend</i>	<i>Faculty Mentor</i>	<i>Students Awarded Grant</i>
National Academy of Sports Medicine National Meeting Boston, MA May 31 st -June 4 th	Dr. Roger Vaughan Dr. Jeff Taylor Dr. James Smoliga Dr. Kevin Ford Dr. Sara Arena Dr. Yum Nguyen Dr. Matthew Kuennen	Jamie Schnuck Colleen Mulrey, Sami Tripp, Olivia Dineen, and Matt Siegmund Lucas Fogaca, Lindsey Siska, Allie Zambito, and Katie Farina Micah Branscomb, Lindsay Tiberi, Scott Morin, Lacey Gould, Rolonda Kelly, Hailey Parry, Amanda Gregory, and Emma Zuk Melissa Savas Kaitlyn Wright Mandy Szymanski
Annual Meeting of Southeastern Biologists Concord, North Carolina March 31 st -April 3 rd	Dr. Veronica Segarra Dr. Coffield Dr. Cindy Vigueira Dr. Patrick Viguera Dr. Sandra Cooke Dr. Dinene Crater Dr. Nicole Hughes	Taylor Cunningham, Thomas Moss, Maria A. Trujillo, Hillary Wilson, Casey Garr, and Christina Budzinski Jimmy Rager and Matt Slitzky Hailey Watson, Joshua Baulch, and Kristen Korankyi Gabby Hayes, Nicole Wright, Tyler Wilson, Edem Dzotefe, Samia Ladner, and Sarah Edmark Mary Clare McGinn Rodrigo Catalan-Hurtado and Maria Valverde-Ceciliano Johana Melissa Hernandez-Moreno, Allyson Kane, and Margaret Essepian

Students Travel Grants Continued:

North Carolina Tutor/SI Conference East Carolina University March 19 th	Dr. Craig Curty	Joshua Baulch, Kira Foglesong, Taylor Anderson-Barkley, Lucas Chirino, Megan Smith, Andrea Tarango, Peyton O’Hara, and Patricia Greenwood
ChoMUN XIX- University of Chicago Model UN Chicago, IL April 2016	Mr. Jody Bowman	Andrea Tarango, Michelle Talocka, Maeve Doran, Michelle Wallace, Erin Flynn, Abby Scharp, Emily Burke, Elizabeth Fiddymment, Sebastian Camacho, Sarah Moss, and Alan DePaola
National Council of Public History Annual Meeting	Dr. Paul Ringel	Dillon O’Gorman, Justin Cummings, and Madison Homan
Mathematics Association of America, Southeastern Section Conference Birmingham, AL	Dr. Adam Graham-Squire	Paul O’Donaghue, Leah Yoch, Lucas Chirino, Sarah Poiani, and Kyle Corcoran



HEADS UP- High-PURCS is coming!

What is High-PURCS?

On April 13th, 2016 High Point is hosting the 4th High Point University Research and Creativity Symposium, High-PURCS. Students from all schools, majors, and minors were welcomed to apply. During this symposium, students will be presenting their work in multiple forms such as a poster, oral presentation, brief performance, or exhibit. This is a great avenue for students to showcase their work in a supportive environment that models a professional venue, providing experience for students that will benefit them in the future. Presentations will be taking place in Slane and Phillips. Be sure to stop by and check it out!

It's Never too early to think Ahead!

Are you interested in doing undergraduate research with professors here on campus? Do you know of a particular professor doing working on a project that you're interested in?



It's never too early to start thinking about Fall semester. With seniors graduating in May, many research positions will be left open to be filled by students who are still on campus. Asking professors and faculty now if they have or will have research opportunities will help you potentially earn a position in undergraduate research on campus in the fall. Also check out **ScholarBridge**. Its like LinkedIn for scholars. The newest way to find research opportunities on campus- all you have to do is create a profile and you'll be able to search through the faculty on campus who are engaging in research and are interested in including students.

Don't wait until August when you get back after summer break. By then it'll be too late, and positions will be full! Act Now. It's never too early to think ahead!



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Newsletter brought to you by Rebecca Irons