



UNDERGRADUATE RESEARCH & CREATIVE WORKS NEWSLETTER

January 2016

IMPORTANT
DEADLINES
INSIDE!



UNDERGRADUATE RESEARCH & CREATIVE WORKS

Welcome Back and Happy 2016!

The Undergraduate Research and Creative Works Office would like to wish everyone a Happy New Year! As a department, we work hard to keep students and faculty aware of opportunities and accomplishments in the realms of collaborative research and creative works. We are so excited to welcome everyone back to campus after a hopefully restful winter break. We look forward to celebrating all the research and creative works performed this spring semester! Welcome back everyone!

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Apply Now:



Enrollment in the Research Rookies program starts again in spring of 2016. This program is open to freshman and first semester sophomores who desire to be incorporated into the research and creative work atmosphere of High Point University while still early in their undergraduate careers. This program teaches students the importance of research, research ethics, research methods and design, the creative process, understanding data and analyses, as well as how to write and present creative or scholarly work. Completing this program shows the student to be committed to independent scholarly work, which will give them an edge later in job interviews or applications for graduate or professional schools.

Students from all majors are welcome to apply. Anyone interested should contact Dr. Joanne Altman, Director of Undergraduate Research and Creative Works, at jaltman0@highpoint.edu.

Mission Statement

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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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Coming Soon: Applications 2

Student Recognitions 3

Grants 4-5

Coming to the HPU URCW Near you: Applications due **March 1st**

The deadline for applying to two extraordinary opportunities is coming up! Applications for both High-PURCS as well as HPU's three Summer Research opportunities are due on March 1st, 2016!

High-PURCS 2015 Abstracts due **March 1st**

High Point is hosting its 5th annual Research and Creativity Symposium on April 13, 2016. Students from all schools, majors, or minor are invited to participate. Project presentations may be in the form of a poster, oral presentation, performance or exhibit. Work must be mentored and original.

Abstracts are due March 1st at 11:59 p.m. and may be submitted at www.highpoint.edu/highpurcs/

HPU Summer Research Applications due **March 1st**

High Point University has three summer research programs available to students including the *Summer Research Institute (SuRI- since 2013)*, the *Summer Research Programs in the Sciences (SuRPS- since 2015)*, and our brand new program starting in 2016 the *Congdon School of Health Sciences - Summer Research Fellowship (SuRF)*. Students in all three programs will be provided free housing if they are not enrolled in classes for the summer.

SURI – Summer research opportunity open to all High Point University undergraduate students in any discipline. The participating students sign up with a faculty mentor with whom they wish to work over the summer on a project of their choosing. Last summer, 21 High Point students participated in the SuRI program with various faculty members from 10 disciplines.

SURPS – A competitive summer research program in which students apply to work with faculty in the biology, chemistry, or physics departments on pre-determined projects. Last summer, 24 students were selected from among 50 applicants.

SURF - Our *brand new* research program beginning in 2016. This is a highly competitive program accepting 10 students. This program provides students with the opportunity to work closely with faculty in Health Sciences doing mentored research with the end goal of publishing manuscripts with faculty in scholastic journals as well as present their findings at different scientific symposia.



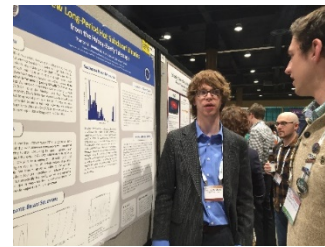
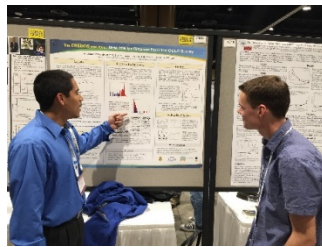
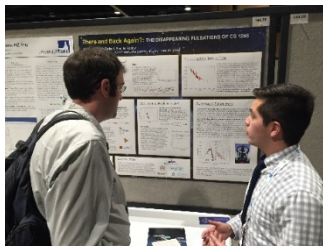
HPU Students are All-Stars at Astronomy Conference

This winter break, students Thomas Boudreaux, Alan Vasquez, and Rodrigo Catalan, along with their mentor Dr. Brad Barlow, traveled to Kissimmee, FL to attend the 227th Meeting of the American Astronomical Society. Over 3,000 astronomers attended this year's meeting. At the conference, Thomas, Alan, and Rodrigo gave poster presentations on the various astronomy projects they had worked on with Dr. Barlow over the past year.



These were not just any other presentations for these students. A majority of the attendees of this conference have PhDs, thus presenting for these professionals may have seemed intimidating for some undergraduate researchers. Not for HPU's students. "Our students stepped up to this challenge and handled themselves so professionally many passersby were in disbelief upon learning that they were "only" undergraduates," wrote Dr. Brad Barlow about his students.

Congratulations gentlemen, we can't wait to see what research and collaborative works you create next!

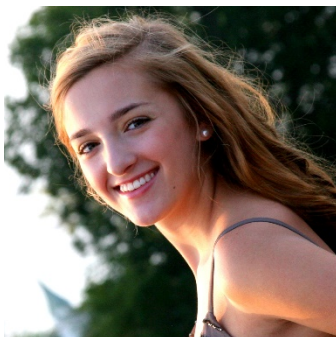


Photos courtesy of Dr. Brad Barlow

Congratulations to our new Research Apprentices

Three students from the Spring 2015 cohort of Research Rookies completed the program to become Research Apprentices. These students attended a required number of discussions and workshops as well as completed their own final projects in order to receive this elevated status.

Congratulations to: Olivia Tornow,



Ryan Casey,



Summer Sipprell!



Congratulations to Students awarded Travel Grants

Matthew Sayger and mentor Dr. Todd Knippenberg were allocated a grant to attend SERMACS on November 5th in Memphis, TN. Matthew presented his work on “Investigating Physical Properties of Fuel Components Using Molecular Dynamics.”

Andrew Bosio and mentor Dr. Todd Knippenberg were allocated a grant to attend SERMACS on November 4th in Memphis, TN. There Andrew presented his work on “The Thermodynamic Properties of Recyclable Materials.”

Madeleine Casadonte, Peyton Senning, Danielle Criss, Nicole Drinkwater, Shelby Desmarias, Alanna Meek, Amanda Rossi, Paige Unni, Deja Ross, and Cydney Hamilton and their mentor Ms. Lindsey Howie were allotted a grant to attend the American College Dance Association Conference from March 10th-15th of 2016 in Hattiesburg, MS. While there these students will perform in three choreographed dance works, and attending classes lead by professors, artists, and professional dancers from across the country.

Calla Telzrow and mentor Dr. Andrew Wommack were allotted a grant to attend SERMACS on November 6th in Memphis, TN. Calla gave a presentation on “Solid-Phase Peptide Synthesis and Antimicrobial Assessment of a Plant-Derived Cyclic Peptide”.

Mollie McKinley and mentor Dr. Laura Alexander were allotted a grant to attend the University of South Florida English Graduate Student Association Fall Colloquium on October 13th, in Tampa, FL. Mollie presented her work on “The Corporeal Androgynous Katherine Phillips: A Woman Divided Between Soul and Body”.

Bajon Aaitnite and mentor Dr. Kimberly Reich were allotted a grant to attend the SEACSM Academic Quiz Bowl Competition in Greenville, SC on February 18th-21st. Bajon will be presenting research as well as participating in a quiz bowl competition along with two other students. The winning team at this conference will represent the Southeast chapters at the annual SEACSM meeting in Boston, MA. Good Luck!

Nicole Bayeur and mentor Dr. Kirsten Li-Barber were allotted a grant to attend the Southeastern Psychological Association Conference in New Orleans, LA on March 30th-April 2nd. At the conference, Nicole will be presenting her research on the impact of dance and structured dance classes on the stress levels and self-esteem of participants of her study. Also attending the conference, but not presenting is **Rebecca Dornan**.

Congratulations to Two HPU Students awarded Research Grants

Johana Melissa Hernandez-Moreno and mentor Dr. Nicole Hughes were allotted a grant for the purchase of laboratory equipment to use on the project studying “The Effects of Clouds on Photosynthesis and Microclimate.” The equipment will be utilized for conducting experiments related to chromatography in the spring semester, and will present during HighPURCS in April of 2016.

Maria Valverde and mentor Dr. Dinene Crater were allotted a grant for the purchase of laboratory equipment. The equipment will be utilized for her project on “In Vitro Analysis of Transcription Repression by GerE during Sporulation in *Bacillus subtilis*.” Her analysis will take place over the course of the spring semester, and will hopefully be presented for both HighPURCS and the ABRCMS nation conference in 2016.

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Want to get involved in Research?

Interested in getting involved in research on campus? Not sure where to start? Check out **ScholarBridge**. This program is like LinkedIn for scholars. It is a new way for students to search for research opportunities with faculty on campus! All you have to do is go to scholarbridge.com and create a profile. Once on the site you will be able to search through faculty on campus who are engaging in research and are interested in including students.



CONTACT US AND LIKE US ON FACEBOOK!

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