

UNDERGRADUATE RESEARCH & CREATIVE WORKS

February 2019

The Office of Undergraduate Research and Creative Works is excited 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.

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The logo for the Office of Undergraduate Research and Creative Works (UR&CW) features the letters 'UR&CW' in a bold, white, sans-serif font. The ampersand is stylized with a circular arrow around it. The letters are set against a light pink background.

OUR MISSION

The mission of the Office of Undergraduate Research and Creative Works 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, foster critical thinking, and provide students with privileged opportunities to add to the sum of human knowledge.

GRANT RECIPIENTS

Students and mentors receive grants to present student work at disciplinary conferences.

Congratulations to the following URCW grant recipients!

Upcoming Conference Experiences:

Emily Burke, Emmi Palenbaum, Meagan Pusser, Raegan Thomas, and Julia Wallace will all travel to St. Louis, Missouri to present their literature research at the Sigma Tau Delta International Convention under the mentorship of Dr. Carlson.

Brandon Inscoe and Joseph Gody will travel to Boston, Massachusetts to present their physics research at the American Physical Society March Meeting under the mentorship of Dr. Lancaster.

Isabella Grifasi will travel to Minneapolis, Minnesota to present her pharmaceutical science research at the Research Society on Alcoholism Conference under the mentorship of Dr. Marshall.

Sarah Poiani, Matthew Knipfer, and Kelsey Quinn will travel to Cleveland, Tennessee to present their mathematics research at the MAA Southeastern 2019 Section Meeting under the mentorship of Dr. Zack.

Jake Dunn, Alexandria Cedrone, and Kristina Jansen will travel to Memphis, Tennessee to present their biology research at the Annual Conference for the Association of Southeastern Biologist under the mentorship of Dr. Grider and Dr. Crater.

Eric Small will travel to Fairfax, Virginia to present his food marketing research at the George Mason DC Health Communication Conference under the mentorship of Dr. Vaala.

Ricki Luongo will travel to Orlando, Florida to present his biology research at the Experimental Biology 2019 Conference under the mentorship of Dr. Ahrens.

Grants Continued...

An exciting number of students will travel to Orlando, Florida for this year's American Chemical Society National Conference: Kaylee Campbell, Soo Min Lee, Lindsey Palmquist, Kristen Brokaw, Molly Hulver, Juliana O'Brien, Lauren Pferdmenges, Rachel Bernsden, Kate Storo, Bella Postle, Julia Trautman, Mikaela Seemann, Will Lefever, Caspian Goudarzi, Nathan Grinalds, and Nick Cutrona will present their chemistry research. Traveling with them are Dr. Lundin and Dr. Blackledge.

URCW is proud to sponsor these students and their mentors!

Southeast ACSM Meeting

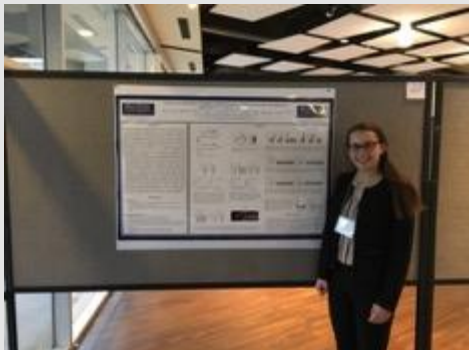
Southeast American College of Sports Medicine Meeting

From February 14th-16th, Emily Lyon, Madison Rivera, Garrett Hill, Maia Demirs, and Michael Dutcher presented their exercise science research and/or participated in a competition at the Southeast ACSM Meeting. The following mentors attended the conference to cheer their students on: Dr. Vaughan, Dr. Kuennen, and Dr. Reich.

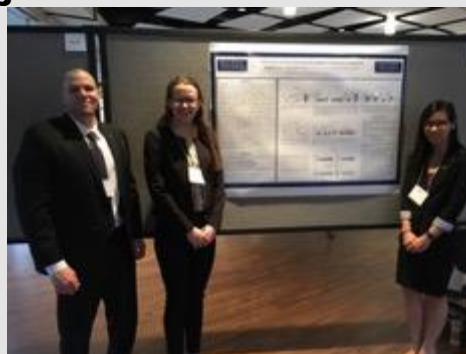
“Doing research with Dr. Vaughan in the wet lab has given me the opportunity to learn skills, practice procedures, and work with state of the art equipment. I even have my name on some published papers! This experience has not only been educational, but also enjoyable as I have traveled to conferences with peers to present our work.”

-Senior, Emily Lyon

Congratulations on a job well done!



Emily Lyon



**Dr. Roger Vaughan, Emily Lyon,
Madison Rivera**

Student Profiles

Innovation: Journal of Creative and Scholarly Work is HPU's undergraduate research journal. The works represented reflect a large range of disciplines. The student editors for this year's edition are communication majors, Maddie Norton and Paige Wagner.

Paige Wagner



Maddie Norton



Paige describes how this opportunity will set her up for a promising career:

“Editing for the Innovation journal helps prepare me for my future because I want to be an Editor in Chief. Being able to have an opportunity like this to gain relevant experience and a product that I can present gives me an advantage over other potential copy editors that may not have this background.”

Maddie explains the significance of undergraduate research:

“Undergraduate research is important because it shows the potential young minds have in research! I feel as if a lot of people assume that research is for professors who are well into their careers, or for scientists with years of experience. But that isn't always the case. It is so important for young minds to have this amazing opportunity!”

To view previous editions of the journal, visit:
www.highpoint.edu/urcw/hpu-journal

HPU in the News

***The High Point News & Record* featured an article that honors the research of HPU faculty member Dr. Jeff Regester.**

On January 1st, HPU physics professor Dr. Regester met with a team at John Hopkins University to observe as NASA's spacecraft New Horizons completed the first flyby of an object in the Kuiper Belt. Dr. Regester has assisted NASA with stellar occultation observations for New Horizons since 2006.

Dr. Regester's research for New Horizons required travel expeditions to South Africa, Senegal, Tasmania, the Marshall Islands, Reunion Island, and New Mexico. His research includes making stellar occultation observations such as measurements of the shape, size, reflectivity, and position of flyby objects that could be potential collision hazards for the spacecraft.



HPU students will have the opportunity to be involved in research for a NASA mission called Lucy in 2021!

***High Point Enterprise* featured an article that celebrates the prominent presence of HPU's Physical Therapy Program at the American Physical Therapy Association Meeting.**

In January, 14 students and faculty from HPU Department of Physical Therapy presented research at the American Physical Therapy Association's Meeting in Washington D.C.

Students Coty Rajek, Monifa Williams, Natalie Devine Layla Moran, Maghan Patton, Emily Tower, Erika Klein, and Michael Nielsen were all mentioned in the article.

The event received coverage for High Point University's major presence at this significant academic event. Dr. Eric Hegedus, the Founding Chair of the Department of Physical Therapy, told *High Point Enterprise*:

"A notable presence at this conference signals a great physical therapy program."

Thank you to the students and mentors in attendance for representing HPU well!

Summer Research:

HPU is hosting SuRF (Summer Research Fellowship) and SuRI (Summer Research Institute). SuRF is for health science undergraduate students. SuRI is available to students in any major. Most apply with projects in mind, but a few professors are looking for students to assist in specific projects. Check out our website for a list of projects.

Applications are due March 1st.
Applicants will be notified of acceptance in April.



High-PURCS

HPU will host its 7th annual High Point Research and Creativity Symposium on April 16th, 2019!

This event showcases a diverse spread of student scholarship in a supportive environment that models a professional venue. All disciplines are invited to apply! Students may choose to present their work as a poster, oral presentation, brief performance, or exhibit. Projects must be mentored works that reflect originality and creativity.

At last year's symposium **161** students produced **3** art exhibits, **3** dance performances, **40** oral presentations, and **98** poster presentations.

Let's continue to make High-PURCs a success!

General Schedule of events:

Oral Sessions and Performances: 1:30pm-3:30pm

Posters and Exhibits: 3:30pm-5:00pm

Abstract submissions are due March 20th

*To submit an abstract, visit:
www.highpoint.edu/highpurcs/*



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This newsletter was brought to you by Keaton Case.