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NEWSLETTER



July
2017

Chemistry and Physics Department, Oxendine Science Building – Room 3101, Pembroke, NC 28372
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PROFESSIONAL SERVICES

Dr. Meredith Storms completed several professional services in June/July:

Served as an AISES Scholarship Reviewer for the AISES Program and Development Office in Longmont, Colorado.

Served as an ACS Student Chapter Report Reviewer for the ACS Undergraduate Programs Office in Washington, DC.

Served as an ACS Community Interaction Grant Reviewer for the ACS Undergraduate Programs Office in Washington, DC.



NEW FACULTY

Dr. Mandjiny, faculty, and staff would like to welcome the newest member, Dr. Quinton Rice – Assistant Professor of Physics, to our department. Dr. Rice comes from Hampton University of Virginia. During his first semester in August, he will be teaching College Physics I, College Physics Lab I, and Classical Mechanics.

ENGINEERING CAMP – PEMBROKE

The department in collaboration with CAS have hosted the Engineering Camp – Pembroke from July 24 – August 4, 2017. Mary Beth Locklear – Director of Regional Center-Outreach, Mariam Gerges, and Sandra Huneycutt worked with 42 students from elementary and middle schools throughout the region. The activities included engineering design process.

NEW STUDENTS ORIENTATION

The Center for Student Success hosted several New Orientation Sessions for the month of July. Check-in for the students and family took place at 8:00 am each day in the University Center Annex. During these sessions, Dr. Flowers and Mrs. Scott assist the students with advising and registration. Also, the students got to visit the classrooms and labs. Thank you, faculty, for your commitment to helping our students.



Dr. Paul Flowers



Mrs. Felicia Scott

NATIONAL SCIENCE FOUNDATION INTERNSHIP

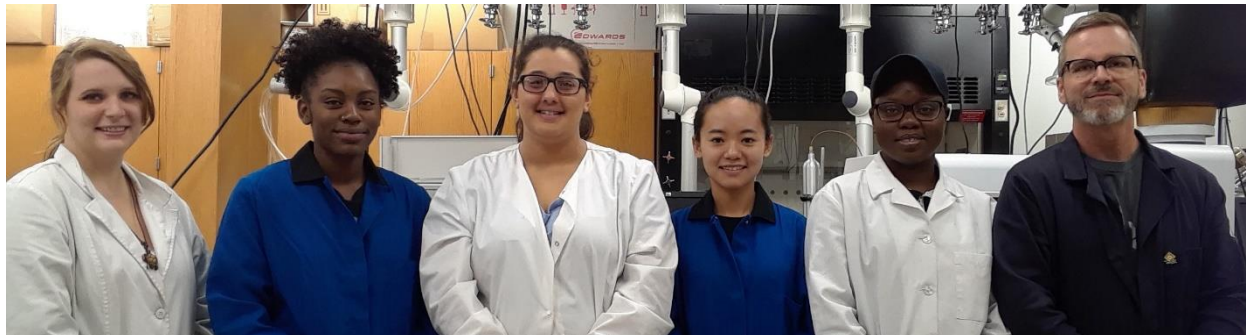
Professor Paul Flowers is continuing his research work for the month of July. He is working with five UNCP undergraduate students to develop new devices and procedures for microscale chemical analysis. The work supported by the National Science Foundation under grant number 150817, with supplemental support for three of the student researchers provided by the UNCP RISE program.

Kaitlan Smith and **Gabriell Greene** are developing two new assays for biomedically relevant applications: (1) measuring concentrations of a common pain reliever, acetaminophen, in pharmaceutical preparations and blood serum; and (2) determining levels of a clinically important metabolite, uric acid, in urine.

Xin Dong is investigating the feasibility of developing a similar new assay for ascorbic acid (vitamin C) in pharmaceuticals and blood serum.

Gabby Downs is studying the spectral and electrochemical traits of bilirubin in physiological fluids as prelude to development of an assay for this important diagnostic marker in blood serum and urine.

Akpedje Nadohou is fabricating and evaluating the performance of devices capable of analyzing sample volumes lesser than one microliter.



Left-to-right: Gabby Downs, Gabriell Greene, Kaitlan Smith, Xin Dong, Akpedje Nadohou, Paul Flowers.

Great job, Faculty and Students, for your awesome work!

'3 + 2' Program

The '3 + 2' Program has been published in the UNC General Administration. To read more about the program's story, open the link below:

<https://www.northcarolina.edu/news/2017/07/Double-degree>