



Department of Chemistry, Physics and Geology

Student Research Accomplishments (2018-2019)

Peer-Reviewed Publications (*Undergraduate student co-author)

- Harris, C.; Gaster, C.;* Gelabert, M. C. Reverse Micelles as Templates for the Fabrication of Size-Controlled Nanoparticles: A Physical Chemistry Experiment *Journal of Chemical Education* **2019** 96(3), 565-570.

Student Presentations at National Conferences (*Undergraduate student co-author)

- Shope, D;* Mitchell, M;* Werts, S. The Effects of Allophane on Carbon Sequestration and Nutrient Availability in Compost Derived from Food Waste. American Geophysical Union Fall Meeting, Washington, DC, 2018.
- Sellers, H.;* Grosseohme, N. Exploring a possible moonlighting role for global phosphatase in *S. pneumonia*. 256th National Meeting of the American Chemical Society, Boston, MA, 2018.

Student Presentations at Regional Conferences (*Undergraduate student co-author)

- Dixon, S. P.;* Shope, D. P.;* Boyer, D., A Diminutive Late Devonian Recovery Fauna From The Cleveland Shale. 68th annual Southeast Regional Meeting of the Geological Society of America, Charleston, SC, 2019.
- Ciesa, B. E.;* Thibodeaux, E. H.;* Merrill, M. A.;* Hanna, J. M. Visible-light-induced alkylation of aryl aldimines with potassium organotrifluoroborates enabled by an organic photocatalyst. 70th Southeast Regional Meeting of the American Chemical Society, Augusta, GA, 2018.
- Gaster, C;* Harris, C. Characterization of Zinc-doped hematite thin films. 70th Southeast Regional Meeting of the American Chemical Society, Augusta, GA, 2018.
- Murray, M. G.;* Crenshaw, B. L.;* Vinson, A. V.;* Hernandez, B.;* Hurtt, M. J.;* Hanna, J. M.; Lammi, R. K. Synthesis and evaluation of (dihydroxyphenyl)pyridones as aggregation inhibitors for Alzheimer's amyloid-beta peptide. 70th Southeast Regional Meeting of the American Chemical Society, Augusta, GA, 2018.
- Nguyen, D.;* Amir, F. Electrophoretic Deposition of Ni₃(HITP)₂ for supercapacitor electrodes. 70th Southeast Regional Meeting of the American Chemical Society, Augusta, GA, 2018.
- Quay, J. C.;* Jones, J.; Minsavage, G.; Hurlbert, J. C. Purification of a novel calcium binding protein necessary for phytopathogenesis in xanthomonas strains. 70th Southeast Regional Meeting of the American Chemical Society, Augusta, GA, 2018.
- Vinson, A.;* McKnight, M.;* Jones, J.; Minsavage, G.; Hurlbert, J. C. Expression, purification and preliminary crystallization trials of a molecular chaperone from *Xanthomonas cynarae*. 70th Southeast Regional Meeting of the American Chemical Society, Augusta, GA, 2018.

External Summer 2019 Research Fellowships

Tiffany Dwyer	<i>Purdue University</i>
Michael Gladden	<i>University of North Carolina - Charlotte</i>
Marlin McKnight	<i>Michigan State University</i>
Darien Nguyen	<i>Cornell University</i>
Merylin Palmer	<i>University of Iowa</i>
Juliana Quay	<i>Massachusetts Institute of Technology</i>
Isabella Schepisi	<i>Brookhaven National Lab</i>
Sean Wechsler	<i>Brookhaven National Lab</i>

Winthrop Summer 2019 Research Fellowships

Mikhail Anfinson	<i>Dr. Gelabert</i>	Sophie Nguyen	<i>Dr. Grosseohme</i>
David Brandyburg	<i>Dr. Grosseohme</i>	Cayla Odom	<i>Dr. Gelabert</i>
Kenny Butler	<i>Dr. Grattan</i>	Alexandra Perez	<i>Dr. Grosseohme</i>
Blake Campbell	<i>Dr. Werts</i>	Alyssa Petty	<i>Dr. Hurlbert</i>
Kendall Claxton	<i>Drs. Hanna & Lammi</i>	KeeLe Puckett	<i>Dr. Boyer</i>
Daniel Croke	<i>Dr. Boyer</i>	Miquela Santoro	<i>Dr. Grattan</i>
Christine Dunn	<i>Dr. Hurlbert</i>	Dakota Shope	<i>Dr. Werts</i>
Brandon Ellison	<i>Dr. Grosseohme</i>	Thomas Sullivan	<i>Dr. Gelabert</i>
Melody Iacino	<i>Dr. Grattan</i>	Evan Thibodeaux	<i>Dr. Hanna</i>
Blake McCloskey	<i>Dr. Harris</i>	Nghi Tran	<i>Dr. Hurlbert</i>

Students Matriculating into Graduate Programs

Madeline Diaz (2018)	<i>Wake Forest University</i>	<i>School of Medicine</i>
Cale Gaster (2019)	<i>University of Notre Dame</i>	<i>Department of Chemistry</i>
Carra Lyons (2018)	<i>University of South Carolina</i>	<i>School of Medicine</i>
Caylie McGlade (2019)	<i>University of North Carolina</i>	<i>Department of Chemistry</i>
John Pike (2019)	<i>Medical University of South Carolina</i>	<i>School of Medicine</i>
Lucia Rodriguez (2019)	<i>University of Maryland, Baltimore</i>	<i>Department of Biochemistry</i>
Hunter Sellers (2019)	<i>Augusta University</i>	<i>Vascular Biology Center</i>
Jessica Stevens (2019)	<i>North Carolina State University</i>	<i>Department of Mathematics</i>
Morgan Turnow (2016)	<i>Kentucky College of Osteopathic Medicine</i>	<i>College of Osteopathic Medicine</i>
Haley Vann (2018)	<i>Medical University of South Carolina</i>	<i>School of Dentistry</i>
Augustine Vinson (2019)	<i>University of Florida</i>	<i>Department of Biochemistry</i>
Emily Watson (2017)	<i>Washington University in St. Louis</i>	<i>Department of Geology</i>

Student Awards and Recognitions

Lennart H. Kullberg Research Award	Caylie McGlade
ACS Organic Division – Winthrop Undergraduate Award	Caylie McGlade
Inez Bell Caskey Student-Scholar Award	Cale Gaster
ACS Carolina Piedmont Section – Undergraduate Research	Cale Gaster