

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

- St. John, F. J.; Dietrich, D.; Crooks, C.; Pozharski, E.; Gonzalez, J. M.; Bales, E.*; Smith, K.*; Hurlbert, J. C. A novel member of glycoside hydrolase family 30 subfamily 8 with altered substrate specificity. *Acta Cryst. D.* **2014**, *70*, 2950-2958.
- Hartel, A. M.; Moore, A.C.* Extraction and ¹H-NMR Analysis of Fats from Convenience Foods: A Laboratory Experiment for Organic Chemistry. *J. Chem. Educ.* **2014**, *91*, 1702-1705.

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

- Douglas, T.*; Harris, C. Sustained photocurrent in CdS/ α -Fe₂O₃ stacked thin films on titania-coated transparent conductive substrates, 249th National Meeting of the American Chemical Society, Denver, CO, 2015.
- Melendez, D. R.*; Hartel, A. M. The Reaction of O-Silylated Cyanohydrin Anions with Epoxides as an Alternative for the Enantio- and Diastereoselective Preparation of Aldols, 249th National Meeting of the American Chemical Society, Denver, CO, 2015.
- Peppers, D.*; Grossoehme, N. Purification and characterization of wild type nickel uptake regulator (NUR) from *Streptomyces coelicolor*, 249th National Meeting of the American Chemical Society, Denver, CO, 2015.
- Wicks, S.*; Logan, J.*; Hanna, J.; Lammi, R. Synthesis and evaluation of symmetrical biphenyltetrols as aggregation inhibitors for Alzheimer's amyloid- β peptide, 249th National Meeting of the American Chemical Society, Denver, CO, 2015.
- Bufkin, K.*; Nelson, R.*; Deng, J.*; Sumter, T. Molecular Evaluation of Transformation-Induced Methylation of High Mobility Group A1 (HMGA1) Chromatin Binding Proteins, Annual Meeting of the American Society for Biochemistry and Molecular Biology, Boston, MA, 2015.
- Jones, G.*; Hurlbert, J. The X-Ray Crystal Structure of a Mutant Glycerol Dehydrogenase from *Bacillus coagulans* with Acquired Lactate Dehydrogenase Activity, Annual Meeting of the American Society for Biochemistry and Molecular Biology, Boston, MA, 2015.
- Murakami, J.*; Harvey, C.*; Huang, A.*; Bufkin, K.*; Hanna, J.; Sumter, T. Synthesis and Anti-Cancer Activity of Benzisoxazolo[2,3-*a*]azinium Tetrafluoroborates, Annual Meeting of the American Society for Biochemistry and Molecular Biology, Boston, MA, 2015.
- Murray, A.B.*; Hurlbert, J. The X-Ray Crystallographic Structure of Endoxylanase Xyn10C from *Xanthomonas axonopodis* at 1.6 Angstrom Resolution, Annual Meeting of the American Society for Biochemistry and Molecular Biology, Boston, MA, 2015.
- Tesney, J.*; Hurlbert, J. Expression, Purification and Crystallization of the Xanthmonal Avirulence Protein, AvrBs1.1, and its Target in Capsicum annum, the Transcription Factor WRKY-1, Annual Meeting of the American Society for Biochemistry and Molecular Biology, Boston, MA, 2015.
- Wynes, A.*; Werts, S. The Effects of Simulated Wildfire on Particle Size and Carbon Content in Piedmont Soils, American Geophysical Union Fall Meeting, San Francisco, CA, 2014.
- Lintz, L.*; Werts, S. Clay Chemistry's Influence on the Average Carbon Content and Particle Size at the Ninety-Six Historical Site, South Carolina, American Geophysical Union Fall Meeting, San Francisco, CA, 2014.
- Davis, T.*; Werts, S. Comparison of Piedmont Clay Complexity and Carbon and Nitrogen Release at Various Temperature Intensities through Simulated Wildfires, American Geophysical Union Fall Meeting, San Francisco, CA, 2014.

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

- Wicks, S. L.*; Lammi, R. K.; Hanna, J. M., Jr. Synthesis and Evaluation of Symmetrical Biphenyltetrols as Aggregation Inhibitors for Alzheimer's Amyloid- β Peptide, 66th Southeast Regional Meeting of the American Chemical Society, Nashville, TN, 2014.
- Douglas, T. C.*; Harris, C. CdS/ α -Fe₂O₃ Multi-junction Thin Films, 66th Southeast Regional Meeting of the American Chemical Society, Nashville, TN, 2014.
- Manley, O. M.*; Grossoehme, N. E. Cloning and Characterization of Nickel Uptake Regulator NUR Mutants from *Streptomyces coelicolor*, 66th Southeast Regional Meeting of the American Chemical Society, Nashville, TN, 2014.
- Bufkin, K.*; Leevy, M. Multimodal Imaging Trials with Zebrafish Specimens, 66th Southeast Regional Meeting of the American Chemical Society, Nashville, TN, 2014.

External Summer 2015 Research Fellowships

Adaeze Aninweze	University of Cincinnati	Alex Pinnix	University of North Carolina
Macey Bosley	Clemson University	Symone Smalls	Medical University of South Carolina
Michelle Corley	Virginia Tech	Michala Tesney	St. Jude Children's Research Hospital
James Dean	University of Pittsburgh	Emily Watson	Wake Forest University
Esse Etim	Clemson University	Ashley Williams	St. Jude Children's Research Hospital
Katja Hall	Wake Forest University	Deanna Worley	Clemson University
Jessica Logan	Northeastern University	Jessica Zinna	Vanderbilt University
Dakoda Mullinax	Brookhaven National Lab		

Students Matriculating into Graduate Programs

Kenisha Barber (2015)	University of Notre Dame	Department of Chemistry
Kendra Bufkin (2015)	Virginia Technical Institute	Department of Biochemistry
Tyler Couch (2013)	University of Rochester	Department of Biochemistry
Tyra Douglas (2015)	University of Alabama	Department of Chemistry
Kourtland Haile (2014)	Medical University of South Carolina	School of Dentistry
Jamie Murakami (2015)	Johns Hopkins University	Chemistry-Biology Interface Program
Briana Murray (2015)	University of Florida	Department of Biochemistry
Iris Strzyzewski (2013)	University of Florida	Plant Medicine Program
Sarah Wicks (2015)	Duke University	Department of Chemistry

Winthrop Summer 2015 Research Fellowships

Sommer Barber	Dr. Sumter	Christopher Jordan	Dr. Harris	Mikala Smith	Dr. Grossoehme
Rayshon Ellis	Dr. Hartel	Lauren Lintz	Dr. Werts	Andrea Taylor	Drs. Lammi & Hanna
Danielle Gasparik	Dr. Gelabert	Autumn Leggins	Dr. Grossoehme	Danielle Thibault	Dr. Gelabert
Benjamin Hernandez	Drs. Hanna & Lammi	Olivia Manley	Dr. Grossoehme	Morgan Turnow	Dr. Grattan
Brandon Hicks	Dr. Hanna	Teresa Melendez	Drs. Sumter & Hanna	Margaret Whitley	Drs. Grossoehme & Hanna
Matthew Hurtt	Drs. Lammi & Hanna	Davis Plasko	Dr. Hanna		
Justin Hutchinson	Dr. Hurlbert	Jake Roberts	Drs. Hanna & Lammi		