

**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 <sup>1</sup>H-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/ $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> stacked thin films on titania-coated transparent conductive substrates, 249<sup>th</sup> 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, 249<sup>th</sup> 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*, 249<sup>th</sup> 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- $\beta$  peptide, 249<sup>th</sup> 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- $\beta$  Peptide, 66<sup>th</sup> Southeast Regional Meeting of the American Chemical Society, Nashville, TN, 2014.
- Douglas, T. C.\*; Harris, C. CdS/ $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> Multi-junction Thin Films, 66<sup>th</sup> 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*, 66<sup>th</sup> Southeast Regional Meeting of the American Chemical Society, Nashville, TN, 2014.
- Bufkin, K.\*; Leevy, M. Multimodal Imaging Trials with Zebrafish Specimens, 66<sup>th</sup> Southeast Regional Meeting of the American Chemical Society, Nashville, TN, 2014.

**External Summer 2015 Research Fellowships**

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

**Students Matriculating into Graduate Programs**

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

**Winthrop Summer 2015 Research Fellowships**

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