

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

- St John, F.; Dietrich, D.; Crooks, C.; Bologun, P.; de Serrano, V.; Pozharski, E.; Smith, J.K.*; Bales, E.*; Hurlbert, J. C. A plasmid borne, functionally novel glycoside hydrolase family 30, subfamily 8 endoxylanase from solventogenic *Clostridium*. *Biochemical Journal* **2018** 475(9), 1533-1551.
- Plasko, D. P.*; Jordan, C. J.*; Ciesa, B. E.*; Merrill, M. A.*; Hanna, J. M. Jr. Visible light-promoted alkylation of imines using potassium organotrifluoroborates. *Photochem. Photobiol. Sci.* **2018** 17, 534-538.
- Amir, F. Z.; Pham, V.H.; Schultheis, E.M.*; Dickerson, J.H. Flexible, all-solid-state, high-cell potential supercapacitors based on holey reduced graphene oxide/manganese dioxide nanosheets. *Electrochimica Acta*, **2018** 260, 944–951.

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

- Hernandez, B. P.*; Murray, M. G.; Crenshaw, B. L.; Vinson, A. V.; Hurtt, M. J.; Lammi, R. K.; Hanna Jr., J. M. Synthesis and evaluation of heterocyclic biaryls as aggregation inhibitors for Alzheimer's amyloid-beta peptide. 255th National Meeting of the American Chemical Society, New Orleans, LA, 2018.
- Manore, S.*; Hurlbert, J. C.; Grattan, T. C. Design, synthesis and evaluation of novel sphingosine kinase 1 inhibitors with improved hydrophilic properties. 255th National Meeting of the American Chemical Society, New Orleans, LA, 2018.
- Nemeth, A. M.*; B. Melancon, B.; McDowell M.A. A Synthesis of novel oxazoline compounds for use as insecticides and the evaluation for mosquitocidal and larvicidal activity. 255th National Meeting of the American Chemical Society, New Orleans, LA, 2018.

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

- Robbins, J. T.*; Boyer, D.; Jackson, R. L.* Trace fossil assemblages of the lower Pilot Shale, Great Basin, USA. Geological Society of America Southeast Regional Meeting, Knoxville, TN, 2018.
- Ciesa, B. E.*; Plasko, D. P.*; Jordan, C. J.*; Hanna, J. M. Jr. Visible light-promoted additions of potassium organotrifluoroborates to imines. 69th Southeast Regional Meeting of the American Chemical Society, Charlotte, NC, 2017.
- Crenshaw, B. L.*; Vinson, A. V.*; Hanna, J. M. Jr.; Lammi, R. K. Evaluation of heterocyclic biaryls as aggregation inhibitors for Alzheimer's amyloid-beta peptide. 69th Southeast Regional Meeting of the American Chemical Society, Charlotte, NC, 2017.
- Grattan, T. C.; Manore, S.*; Synthesis and analysis of potential sphingosine kinase 1 inhibitors. 69th Southeast Regional Meeting of the American Chemical Society, Charlotte, NC, 2017.
- Grattan, T. C.; McFadden, E.*; Synthesis of trifluoromethyl-1H pyrazole derivatives to optimize activity as antimicrobial agents. 69th Southeast Regional Meeting of the American Chemical Society, Charlotte, NC, 2017.
- Harris, C. T.; Gaster, C.* A simple, low-temperature method for the synthesis and electrophoretic deposition of size-controlled nanomaterials from reverse micelles. 69th Southeast Regional Meeting of the American Chemical Society, Charlotte, NC, 2017.
- Hernandez, B. P.*; Murray, M. G.*; Hanna, J. M. Jr.; Lammi, R. K. Synthesis of heterocyclic biaryls as aggregation inhibitors for Alzheimer's amyloid-beta peptide. 69th Southeast Regional Meeting of the American Chemical Society, Charlotte, NC, 2017.
- Lyons, C.*; Grosseohme, N. E. Progress towards identifying the phosphorylation site on RitR. 69th Southeast Regional Meeting of the American Chemical Society, Charlotte, NC, 2017.
- McGlade, C. A.*; Hartel, A. M. The reaction of O-silylated cyanohydrin anions with epoxides as an alternative for the enantio- and diastereoselective preparation of aldols. 69th Southeast Regional Meeting of the American Chemical Society, Charlotte, NC, 2017.
- Sellers, H.*; Grosseohme, N. E. Exploring a possible moonlighting role for global phosphatase in *S. pneumoniae*. 69th Southeast Regional Meeting of the American Chemical Society, Charlotte, NC, 2017.
- Stevens, J.*; Gelabert, M. C. Exploration of variables in aqueous synthesis of zinc oxide. 69th Southeast Regional Meeting of the American Chemical Society, Charlotte, NC, 2017.

External Summer 2018 Research Fellowships

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| Caylie McGlade | University of Michigan |
| Darien Nguyen | Brookhaven National Lab |
| Hunter Sellers | Medical College of Georgia |

Winthrop Summer 2018 Research Fellowships

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|-----------------|--------------------|------------------|--------------------|
| Kiera Alexander | Dr. Grosseohme | Marlin McKnight | Dr. Hurlbert |
| Resa Allen | Dr. Grattan | Madison Merrill | Dr. Hanna |
| Tamara Bright | Dr. Gelabert | Emily Mitchell | Dr. Werts |
| Brittney Ciesa | Dr. Hanna | Mouskudah Murray | Drs. Hanna & Lammi |
| Brandy Crenshaw | Drs. Hanna & Lammi | John Pike | Dr. Hurlbert |
| Cale Gaster | Dr. Harris | Juliana Quay | Dr. Hurlbert |
| Madison Merrill | Dr. Hanna | Lucia Rodriguez | Dr. Grosseohme |
| Sara Dixon | Dr. Boyer | Dakota Shope | Dr. Boyer |
| Sigrid Dorman | Dr. Grattan | Evan Thibodeaux | Dr. Hanna |
| Tiffany Dwyer | Dr. Grattan | Augustine Vinson | Dr. Hurlbert |
| Kameron Johnson | Dr. Gelabert | Sean Wechsler | Dr. Hartel |

Students Matriculating into Graduate Programs

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|---------------------------|---|----------------------------|
| Jonathan Cutrone (2018) | Medical University of South Carolina | School of Medicine |
| Dakota Hawkins (2018) | University of North Carolina | Department of Chemistry |
| Benjamin Hernandez (2018) | Presbyterian College | School of Pharmacy |
| Matthew Hurtt (2018) | Clemson University | Department of Chemistry |
| Carra Lyons (2018) | University of South Carolina | Department of Biochemistry |
| Ansley Nemeth (2018) | University of Notre Dame | Department of Chemistry |
| Jesslyn Park (2018) | University of California, San Francisco | Department of Biochemistry |
| Lauren Ramsey (2018) | Winthrop University | College of Business |
| Jeremy Tuck (2017) | University of California, Davis | Medicinal Chemistry |
| Justin Waller (2015) | Temple University | School of Medicine |
| Sophia Warren (2018) | New York University | Department of Chemistry |

Student Awards and Recognitions

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| ACS Analytical Division – Winthrop Undergraduate Award | Dakota Hawkins |
| Lennart H. Kullberg Research Award | Jesslyn Park |