

## Publications/Conference Presentations of NSF S-STEM Scholars (2007-2013)

1. Atterberry, Morgan (2013). *Mathematical Models of Infectious Diseases*. 18th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.
2. Beasley, Lauren (2012). *Novel Immobilization and Synthesis of Silver Nanoparticles in Fiber-Optic Capillary Waveguides*. Nicholas Savas National Conference of Undergraduate Research. Ogden, Utah.
3. Beasley, Lauren (2012). *Novel Immobilization and Enhanced Sensitivity of Silver Nanoparticle Surface Plasmon Resonance in Fiber-optic Capillary Waveguides*. 17th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw GA.
4. Beasley, Lauren (2012). *Resonance in Fiber-optic Capillary Waveguides*. 17th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw GA.
5. L. M. Beasley and B. K. Keller (2012). *Novel Immobilization and Enhanced Sensitivity of Silver Nanoparticle Surface Plasmon Resonance in Fiber-optic Capillary Waveguides*. Georgia Academy of Science Meeting. Atlanta, GA.
6. Brown, Brittani et al. (2012). *Toxicity of Ionic Liquids to Wetland and Agricultural Plants*. Annual Meeting of the Society of Toxicology and Chemistry. Long Beach, CA.
7. Daniela Tapu, Mahatab Chowdhury, Christopher Ghattas, Zachary McCarty (2012). *Fluorescent catalysts derived from N heterocyclic carbene*. 243rd ACS National Meeting & Exposition. San Diego, CA.
8. Mahatab Chowdhury, Zackary McCarty, and Christopher Ghattas (2012). *Fluorescent Rhodium and Iridium Complexes Derived from NHCs*. 17th Symposium of Student Scholars & Undergraduate Research. Kennesaw State University, Kennesaw, GA.
9. Lauren Hutchinson, Christopher Ghattas, and Mahatab Chowdhury (2012). *The Synthesis and Characterization of New Imidazolium Salts Tagged with Fluorescent Moieties*. 17th Symposium of Student Scholars & Undergraduate Research. Kennesaw State University, Kennesaw, GA.
10. Nathaniel Coursey (2012). *Mathematics of Sudoku and Other Pencil Puzzles*. 2012 Joint Mathematics Meetings. Boston, MA.

11. Ariell Samantha Durden, Dechino Kincaid Deangel Duke (2013). *Discerning Dextromethorphan from Opiates using FTIR and PCA*. 18th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.
12. Ariell Durden (2012). *Release Rate of Salicylic Acid from Stomach Relief Suspensions*. 17th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.
- A. S. Durden and M. C. Koether (2012). *RELEASE RATE OF SALICYLIC ACID IN STOMACH RELIEF AIDS*. Georgia Academy of Science Meeting. Atlanta, GA.
13. Ariell Durden, Marina Koether (2012). *Analytical Release Rate of Salicylic Acid from Stomach Relief Suspensions*. 44th Southeast Undergraduate Research Conference. Mississippi State University, Starkville, MS.
14. Joshua Parr, Robert Evans, Houman Khosrownia, Dustin Womack, Moaiz Shahzad (2013). *Explorations in the Chemistry of alpha-Acylphosphonates and alpha-Hydroxyphosphonates*. 18th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.
15. Daniela Tapu, Christopher Ghattas, Lauren Hutchinson (2012). *Synthesis and characterization of a new class of N-heterocyclic carbene*. 243rd ACS National Meeting & Exposition. San Diego, CA.
16. Daniela Tapu, Zachary McCarty, Lauren Hutchinson (2012). *Fluorescent imidazolium salts and their corresponding NHCs: Synthesis and characterization*. 64th Southeast Regional Meeting of the American Chemical Society. Raleigh, NC.
17. Daniela Tapu, Lauren Hutchinson, Zachary McCarty (2012). *Synthesis and characterization of rhodium and iridium complexes of a new polycyclic carbene*. 64th Southeast Regional Meeting of the American Chemical Society. Raleigh, NC.
18. Bridget Immelman (2012). *Enzymatic Deglycosylation of Oxalate Oxidase*. 17th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.
19. Yancey Mitchell and Jessica Ippolito (2012). *Evaluating the Impact of Peer-Led Team Learning on Student Progression in General Chemistry*. 17th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.
20. Jiexi Liao (2013). *Self-Focusing and Laser-Induced Ionization Effects in the Propagation of Intense Ultrashort Laser-Pulses through Dielectrics*. 18th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.

21. Zackary McCarty and Jiexi Liao (2012). *New Quinoxaline Derivatives of Heterocyclic Carbenes*. 17th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.
22. Forbes, Cleonecia, Mondesir, Bianca (2012). *An assessment of mitochondria, counts and function from chick embryos under the stress of dehydration*. 2012 Meeting of the Georgia Academy of Science. Atlanta, GA.
23. May, Mary-Melissa E., Mondesir, B., Tanksley, P. (2012). *Personalized Laboratory Procedures: Bringing Relevance to Students in STEM in STEM Project Labs*. 2012 Meeting of the Georgia Academy of Science. Atlanta, GA.
24. Christopher Raymond (2013). *ABCB1 Expression in Adrenocortical Cells is Uniquely Regulated Compared to Other Cell Types*. 18th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.
25. Richard Reeves (2012). *Release Rate of Zinc from Topical Sol*. 17th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.
26. Reeves, Randolph S., Tanksley, Parris, Carvajal Miguel; McGarey D. (2012). *Preliminary Steps to Development of a Quantitative PCR Method for Determining Concentrations of *Aeromonas hydrophila* by Amplification of the Elastase Gene, *ahyB**. 2012 KSU Department of Biology and Physics Student Research Symposium. Kennesaw State University, Kennesaw, GA.
27. Faith Spradlin (2012). *The Non-central t-distribution*. Undergraduate Mathematics Conference. University of North Carolina in Greensboro, NC.
28. Truong T. Ho Lam (2012). *A Calibration Matrix for Quantifying Actives in Over the Counter Medicines by GSAM/TargetFactor Analysis*. 17th Annual Symposium of Student Scholars. Kennesaw State University, Kennesaw, GA.
29. Mitchell L. Tuttle and M. Kaledin (2012). *Assessment of the density functional tight binding (DFTB) Method for describing the structure and interaction energies of hydrated ions*. Georgia Academy of Science Meeting. Atlanta, GA.
30. Umejiego, Ezigbobiara, Lester, A. (2012). *Characterization of Nascent Proteome in Ischemic-tolerant Mouse Brain Using High Throughput Mass Spectrometry Technology*. 2012 Peach State LSAMP Conference. Athens, GA.