

\* denotes undergraduate mentee

### **PREPARATION**

**Chambers, B. A.**, Hofmann, H., Kirisits, M. J., Silver nanoparticles cause and select for antibiotic resistance in *Pseudomonas aeruginosa*. *Manuscript in preparation for Proceedings of the National Academy of Science*

**Chambers, B. A.**, D'Alton, S., \*Smith, S. K., Kirisits, M. J., A molecular biological model for the surface attachment action of silver nanoparticles. *Manuscript in preparation for Environmental Science and Technology*

### **SUBMITTED**

**Chambers, B. A.**, Sabaraya, I. V., Saleh, N.B., Kirisits, M. J. Cohort adoption: The effect of a four-year pre-college STEM outreach program. *Manuscript in preparation for the Journal of Science Education and Technology*

### **CIRCULATION**

**Chambers, B. A.** A molecular biological model describing silver nanoparticle mechanisms of toxicity and associated antibiotic resistance. *Dissertation Published by The University of Texas at Austin. 2018*

Saleh, N. B., **Chambers, B. A.**, Aich N. Kirisits, M. J. Mechanistic lessons learned from studies of planktonic bacteria with metallic nanomaterials: implications for interactions between nanomaterials and biofilm bacteria, *Frontiers in Microbiology. 2015*

**Chambers, B. A.**, Afrooz A. R. M. N., Bae S., Aich N., Katz, L. E., Saleh N. B., Kirisits, M. J. Effects of Chloride and Ionic Strength on Physical Morphology, Dissolution, and Bacterial Toxicity of Silver Nanoparticles. *Environmental Science and Technology. 2014 48 (1) 761-769. DOI: 10.1021/es403969x.*

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