

Student Presentation Awards at the 2018 Collegiate Division Meetings

Middle Region
Belmont University
 Nashville, Tennessee
 21 April 2018

Chemistry

- First Place—*Christopher Hansen*. The reaction of a copper (II) centered Schiff-base complex with strong acid: a kinetic investigation. *Belmont University, Nashville, Tennessee.*
- Second Place—*Aleczander Garcia*. Modulation of phosphotensin homolog (PTEN) in cancer cells and lipid peroxides in peripheral blood mononuclear cells (PBMCs) following exposure to flavonoids. *Tennessee State University, Nashville, Tennessee.*
- Third Place—*Avery Daniels*. Electronic spectroscopy, reactivity, and solvation of a terbium phenanthroline complex: possible chemical sensing agent. *Belmont University, Nashville, Tennessee.*

Bio I: Cellular and Molecular Biology/Microbiology

- First Place—*A. C. Dowd*. Effect of inorganic vs. organic selenium compounds as a pre-treatment to oxidative stress caused by 6-Hydroxydopamine treatment in *C. elegans*. *Belmont University, Nashville, Tennessee.*
- Second Place—*Dana Cornwell*. Kinetics of progression of pathogenicity of *Caenorhabditis elegans* in response to *Bacillus thuringiensis*. *Belmont University, Nashville, Tennessee.*
- Third Place—*Brandi Duke*. Insight on aversive learning in *Caenorhabditis elegans* when introduced to *Bacillus thuringiensis* during reproduction and growth. *Belmont University, Nashville, Tennessee.*
- Honorable Mention—*Haley Hatfield*. Synchronization of the life cycle of *Caenorhabditis elegans* and the correlation of worm age and worm death from the pathogen *Bacillus thuringiensis*. *Belmont University, Nashville, Tennessee.*

Bio II: Health and Medical Sciences

- First Place—*Rebecca Derby*. The effects of β -estradiol and 11-ketotestosterone on sexual aggregation and stress in adult *Danio rerio*. *Belmont University, Nashville, Tennessee.*
- Second Place—*Elizabeth Sparks*. Treatment effects of emetine on HCT-116 cells. *Belmont University, Nashville, Tennessee.*
- Third Place—*Sargoel Rezanejad*. The effects of an antidepressant, Bupropion, on the chemotaxis of nicotine-treated *Caenorhabditis elegans* towards an attractant. *Belmont University, Nashville, Tennessee.*

Honorable Mention—*Christian Candler*. The effects of natural sugars and artificial sweeteners on zebrafish. *Belmont University, Nashville, Tennessee.*

Bio III: Zoology/Ecology/Environmental Sciences

- First Place—*Taryn Anderson*. Variations in organism diversity across green roofs differing in age and types of plant coverage. *Belmont University, Nashville, Tennessee.*
- Second Place—*States Labrum*. The effects of long term soil warming on soil respiration and carbon storage. *Columbia State Community College, Columbia, Tennessee.*
- Third Place—*Shaoyun Yang*. Cladistic comparisons of mitochondrial DNA and nuclear DNA in *Ambystoma barbouri* and *Ambystoma texanum* phylogeography. *Belmont University, Nashville, Tennessee.*
- Honorable Mention—*Terra'lexus Roberts*. The diversity of microbial communities on urban campus green roofs and community garden in Nashville TN. *Belmont University, Nashville, Tennessee.*

Eastern Region
Pellissippi State Community College
 Knoxville, Tennessee
 20 April 2018

- First Place—*Meghan Sutton*. Marine Biodiversity Monitoring of the Pelagos Sanctuary in the Mediterranean Sea. *Lee University, Cleveland, Tennessee.*
- Second Place—*Damilola Oluwalana*. Investigating the effect of statins on the regulation of the hepatic organic transporter OATP1B3. *Carson-Newman University, Jefferson City, Tennessee.*
- Third Place—*Ryan Sharpe*. Promotion of sustainability initiatives on Pellissippi State's Hardin Valley campus by documenting and understanding recycling habits of the campus population. *Pellissippi State Community College, Knoxville, Tennessee.*
- Honorable Mention—*Erin Guy*. Soil Sample Analysis of Cuba's Oldest Tobacco Farm - Finca El Pinar Robaina. *Roane State Community College, Harriman, Tennessee.*
- Honorable Mention—*Cullen T. Harris*. Prevalence of *Ophiidiomyces ophioidiicola* in eastern Tennessee snake populations: Is it a cause for concern? *University of Tennessee at Chattanooga, Chattanooga, Tennessee.*
- Honorable Mention—*Jillian P. Sturtevant*. Prevalence of lineage formation in the raccoon, *Procyon lotor*, over space and time in varied habitats in Southwestern Tennessee. *Lee University, Cleveland, Tennessee.*