Here is a listing of the 29 Belmont student's that presented their research posters:

**Biology**

“Examination of isomers of butanediol as olfactants in Caenorhabditis elegans”
Morgan Arrants
Faculty Advisor: Robert Grammer, Ph.D.
Major: Biology

“HPLC Measured Nucleotide Concentrations in Staphylococcus aureus Infected and Uninfected Caenorhabditis elegans”
Taylor Brown
Faculty Advisor: Nick Ragsdale, Ph.D.
Major: Biology

“Epithelial-Mesenchymal Transition in Prostate Cancer Progression”
Carrie Johnson
Faculty Advisor: Steven Murphree, Ph.D.
Major: Biology

“Effects of Starvation on the Heart Physiology of Anopheles gambiae”
Haley Ellison
Faculty Advisors: Steve Murphree, Ph.D. and Julián Hillyer, Ph.D. (Vanderbilt University)
Major: Biology

"Does Bacopa monniera play a significant role in improving cognitive function and memory in zebrafish (Danio rerio)?"
Katie Farrell
Faculty Advisor: Lori McGrew, Ph.D.
Major: Biology

“Effects of glyphosate exposure on anxiety-like behavior in Danio rerio”
Jordan Gann
Faculty Advisor: Lori McGrew, Ph.D.
Major: Biology

“Innate Versus Learned Response to Bacillus thuringiensis and Isoamyl Alcohol as Modeled by Olfactory Chemotaxis Response in Caenorhabditis elegans”
Matthew A. Heard
Faculty Advisor: Robert Grammer, Ph.D.
Major: Biology

“Study of Caffeine's Neuroprotective effects on Caenorhabditis Elegans treated with 6-hydroxydopamine”
Justin Hughes
Faculty Advisor: Nick Ragsdale, Ph.D.
Major: Biology
“The Evaluation of Type I Interferons in HPV-Positive Cervical Cancer Cells and the Influence of Infection with *Candida albicans*”
Crystal N. LeBlanc
Faculty Advisor: Jennifer T. Thomas, Ph.D.
Major: Honors, Biology

“A Comparative Study of Wildlife Diversity in an Old Growth and Adjacent Secondary Forest in Davidson County, Tennessee”
Kyle Lloyd
Faculty Advisor: Steve Murphree, Ph.D.
Major: Biology

“The Effect of the Tub-1 Gene on Mortality of Caenorhabditis elegans Infected with Staphylococcus aureus”
Maria Martino
Faculty Advisor: Nick Ragsdale, Ph.D.
Major: Biology

“The Effects of Mu Opioid Receptor Agonists and 5HT-3 Receptor Antagonists on Zebrafish Anxiety Levels”
Emily Mason
Faculty Advisor: Lori McGrew, Ph.D.
Major: Honors and Biology

"The Effects of Chronic Exposure of Celexa on Working and Long Term Memory of *Danio rerio*"
Allison McCoy
Faculty Advisor: Lori McGrew, Ph.D.
Major: Biology

“Chronic Exposure to Lexapro and the Effect on Long-Term Memory in Zebrafish (*Danio rerio*) “
Jennifer Myer
Faculty Advisor: Lori McGrew, Ph.D.
Major: Biology

“Community Analysis of Exotic and Native Worms at Shelby Bottoms Greenway and Nature Park, Nashville, TN”
Kari C. Morse
Faculty Advisor: A. Darlene Panvini, Ph.D.
Major: Biology

“Affect of Hypoxia Inducible Factor on Mortality of Caenorhabditis elegans Infected with Staphylococcus aureus”
D’Angeleau Newsome
Faculty Advisor: Nick Ragsdale, Ph.D.
Major: Biology

“Size dependent anti-predator behavior in *Elimia* snails”
Valini K. Ramcharan
Faculty Advisor: John H. Niedzwiecki, Ph.D.
Major: Biology
“Comparing a nuclear gene genealogy with a mitochondrial genealogy in *Ambystoma barbouri*”
J. Court Reese
Faculty Advisor: John H. Niedzwiecki, Ph.D.
Major: Biology

“Integrating Chemotaxis and Thermotaxis in *Caenorhabditis elegans*”
Molly R. Shankles
Faculty Advisor: Robert Grammer, Ph.D.
Major: Biology

“A Comparison of Arthropod Diversity Using Pitfall Traps in an Old Growth and Adjacent Secondary Growth Forest in Davidson County, Tennessee”
Sarah Spence
Faculty Advisor: Steve Murphree, Ph.D.
Major: Biology

“Assessing predation threat through the age of chemical cues in the aquatic snail, *Elimia* sp”
Kyle Sullinger
Faculty Advisor: John H. Niedzwiecki, Ph.D.
Major: Biology

“Structural Determinants of Olfactants in Attraction/Repulsion of *C. elegans*”
Morgan Wilters
Faculty Advisor: Robert Grammer, Ph.D.
Major: Biology

Biochemistry and Molecular Biology

“Investigating the attraction of *Caenorhabditis elegans* to *Bacillus thuringiensis* through volatile organic compounds”
Fakhry Daowd
Faculty Advisor: Robert Grammer, Ph.D.
Major: Biochemistry and Molecular Biology

Environmental Science

“A Comparison of Algae and Chemical/Physical Water Quality Assessments in a Spring Fed, Open Field Stream in Davidson County, Tennessee “
Ashley Allen
Faculty Advisor: Steve Murphree, Ph.D.
Major: Environmental Science

“Abundance and Biomass of Earthworm Species in Shelby Bottoms Greenway and Nature Park”
Sarah Gilmore
Faculty Advisor: A. Darlene Panvini, Ph.D.
Major: Environmental Science
“Distribution of the streamside salamander in Tennessee”
Hannah Martin
Faculty Advisor: John H. Niedzwiecki, Ph.D.
Major: Environmental Science

“A Comparison of Night-Flying Insect Diversity in an Old Growth and Adjacent Secondary Forest in Davidson County, Tennessee”
Kristopher Ray
Faculty Advisor: Steve Murphree, Ph.D.
Major: Environmental Science

“Influence of Invasive Exotic Plants on Earthworm Diversity”
Megan Swaine
Faculty Advisor: A. Darlene Panvini, Ph.D.
Major: Environmental Science