

**Biological Sciences Research Symposium Poster List**  
**10:30 AM-12:30 PM April 19<sup>th</sup>, 2019**

- Poster 1** The Role of NEKL-3 In the Regulation of Axon Termination  
***Cody Drozd***
- Poster 2** Effects of Cabin1 Knockout on Auditory and Vestibular Function in *Danio rerio*  
***Jacob Exline***
- Poster 3** The Role of The Basement Membrane in Mediating Basal Tissue Folding  
***Elizabeth Falat***
- Poster 4** The Role of Non-Muscle Myosin IIA and IIB in Proper Cranial Neural Crest Cell Migration and Differentiation  
***Westin Knigge***
- Poster 5** Searching for cJun Dimerization Partners that Promote Regeneration-Associated Gene Expression after CNS Injury  
***Heather Leskinen***
- Poster 6** Identification of Basal Tissue Folds in the Developing Gastrointestinal Tract of the Early Vertebrate Embryo  
***Thomas Stancato***
- Poster 7** Regulation of Microtubules Specifically Mediates Basal Cell Shape to Fold the Neuroepithelium  
***Mike Visetsouk***
- Poster 8** Climate and Insect Biomass Effects on Tree Swallows and Their Reproductive Success/Lay Date  
***Payton Daun***
- Poster 9** Fifty Shades of Gray in Treefrogs: Investigating Multimodal Signals in *Hyla versicolor*  
***Olivia Feagles***
- Poster 10** Using Landscape Genomics to Characterize Potential Transmission Barriers to Plague Among Prairie Dog Colonies  
***Rachael Giglio***
- Poster 11** The Effect of Wind Speed on Tree Swallow Nestling Weight  
***Brian Hidde***
- Poster 12** Bridging the Gaps in Freshwater Silicate Cycles: Assessing Silicate Demand and Incorporation in Freshwater Phytoplankton  
***Loretha Jack***
- Poster 13** Effect of Weather on Insect Biomass in Southeast Wisconsin  
***Benjamin Kuznicki***
- Poster 14** Among-Female Assessment Variation and Male-Male Spacing in Eastern Gray Treefrogs (*Hyla Versicolor*)  
***Emma Oldehoeft***
- Poster 15** Annual Trends in Average Insect Biomass  
***Emily Ruder***
- Poster 16** Lifetime Variation in Choosiness in Female *Enchenopa Binotata* Treehoppers (Hemiptera: Membracidae)  
***Sara Seidita***

- Poster 17** Lifetime Variation in the Mate Preference Functions of Female *Enchenopa Binotata* Treehoppers (Hemiptera: Membracidae)  
**Bretta Speck**
- Poster 18** Individual Variation in Multivariate Signal Assessment in Female Gray Treefrogs  
**Kane Stratman**
- Poster 19** Numerical Ability in Gray Treefrogs  
**Shawn Wagner**
- Poster 20** Variation of the MHC DRB Gene in Little Brown Bat Populations Prior and Post the Infection of White-Nose Syndrome  
**Xueling Yi**
- Poster 21** The Second Messenger C-di-GMP Regulates the *vfm* Quorum Sensing System, Resulting in an Altered Expression of Pectate Lyase D in *Dickeya dadantii*  
**Biswarup Banerjee**
- Poster 22** Comparison of the Vibrio Community in Boca Ciega Bay, Florida, Before and During Red Tide  
**Emma Czosnek**
- Poster 23** A Putative LysR Transcriptional Regulator Regulates the Expression of the Type Three Secretion System in a C-Di-GMP Dependent Manner In *Dickeya Dadantii*  
**Alaleh Ghasemimianaei**
- Poster 24** Consequences of Interactions: The role of two adaptor proteins in the Chp chemosensory system of *Pseudomonas aeruginosa*  
**Zak Hying**
- Poster 25** Investigation of the Regulatory Mechanism of the Type III Secretion System by a Putative Diguanylate Cyclase GcpD In *Dickeya Dadantii* 3937  
**Daqing Jiang**
- Poster 26** Coupling the Unfolded Protein Response Pathway to Slt2 MAP Kinase Pathway in the Budding Yeast *Saccharomyces cerevisiae*  
**Noelle Klitzke**
- Poster 27** Vibrio 524G2 Sp. Nov., Isolated From Coastal Waters of Boca Ciega Bay, Florida  
**Emily Klossowski**
- Poster 28** The Effect of Temperature on Bioluminescent *Vibrio*  
**Hannah Purnell**
- Poster 29** Adaptation to Endoplasmic Reticulum Stress Through Distinct Isoform-specific Expression of *HAC1* mRNA  
**Leena Sathe**
- Poster 30** Link Between Biofilm Dispersal and Motility in *P. aeruginosa*  
**Kayla Simanek**
- Poster 31** Nod Factors are Required for Symbiosis between *Paraburkholderia Phymatum* (Beta-Rhizobia) and *Mimosa Pudica*  
**Shashini Welmillage**
- Poster 32** Bacteriophage Recognition of *Flavobacterium johnsoniae sprB* Mutants  
**Rachel Zdero**