

16. Black widows on an urban heat island: temperature effects on an urban arthropod pest

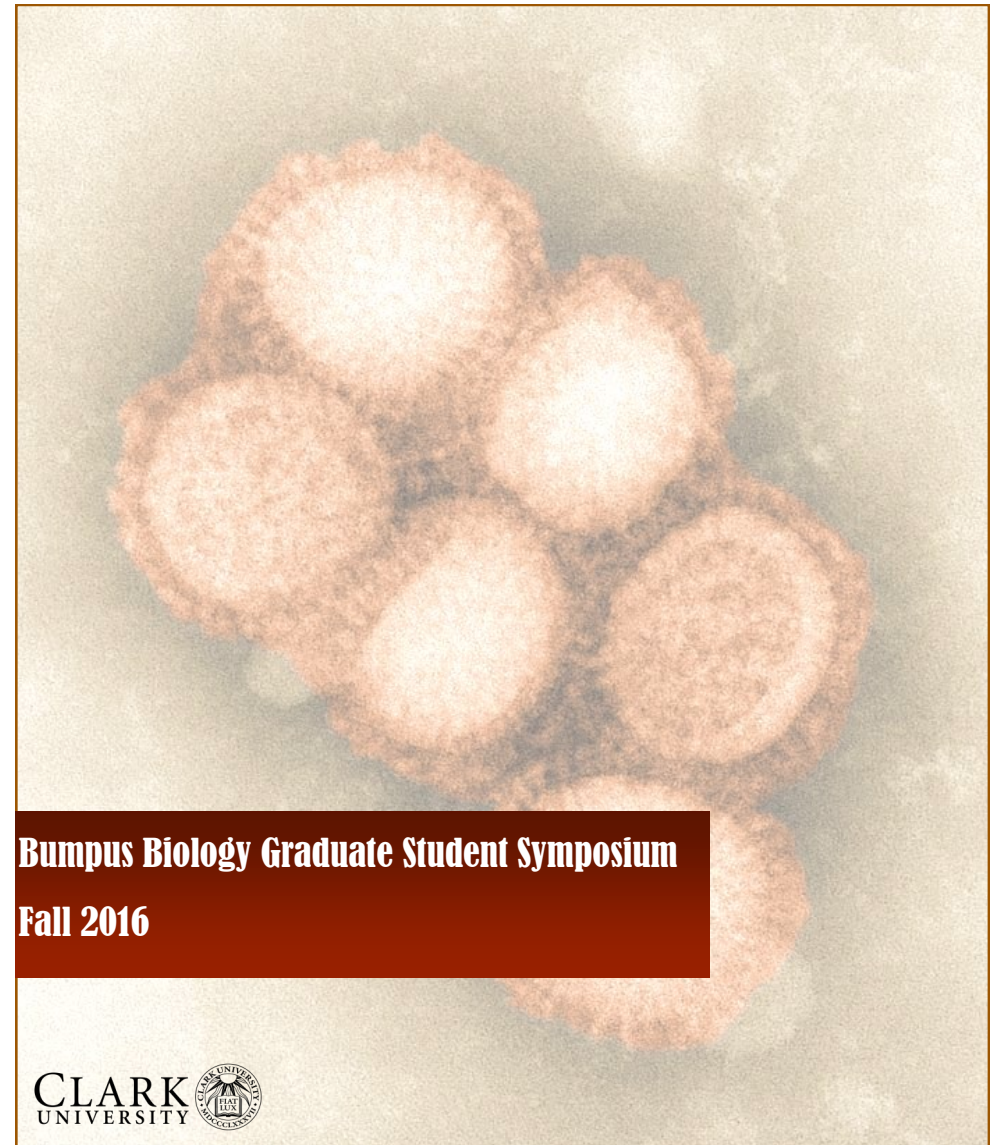
Dale Stevens

Clark Advisors: Drs. Foster & Baker

17. The immune parameters of threespine stickleback during early infection by a tapeworm

Anika Wohlleben

Clark Advisors: Drs. Foster & Baker



1:30-2:45**Oral Presentations****Lasry 237**

- 1:30-1:45 An *in vivo* screen for novel small molecule inhibitors of *PLC γ*
 Chitra Naidu Advisor: Dr. Thackeray
- 1:45-2:00 Predicting spatial and temporal distribution of the amphibian chytrid fungus, *Batrachochytrium dendrobatidis* in the northeastern United States
 Mandy Gaudreau Advisor: Dr. Livdahl
- 2:00-2:15 Complex form and function relationships in whole organism performance
 Amy Cheu Advisor: Dr. Bergmann
- 2:15-2:30 What the FGF! Possible roles of the FGF pathway during *Capitella teleta* development
 Allan Carrillo-Baltodano Advisor: Dr. Meyer

2:30-3:00**Intermission****3:00-5:00****Poster Session**

Location: Lasry Lobby

Refreshments will be served

1. Running on uneven surfaces: the effect of substrate particle size and unevenness on performance
 Marian Crockett Advisor: Dr. Bergmann
2. Exploration in novel and risky behavior in reproductive threespine stickleback
 Samantha Dokus Advisor: Dr. Foster
3. Investigating the influences of biogeography and maternal stress on early life characteristics in threespine stickleback (*Gasterosteus aculeatus*)
 Melissa Graham & Amanda Fragata Advisor: Drs. Foster & Baker
4. Performance variation in basilisks during different aquatic locomotions
 Robert Holden Advisor: Dr. Bergmann
5. Does a role in dorsoventral axis specification make the BMP pathway nervous? Investigating nervous system development in *Capitella teleta*
 Christie Joyce Advisor: Dr. Meyer

6. *Cis*-regulatory module architecture in drosophilids
 Daniel Klonaros Advisor: Dr. Drewell
7. A generalized non-linear least squares approach to finding morphological thresholds in comparative data
 Gen Morinaga & Justin Wilbur Advisor: Dr. Bergmann
8. Use of the chironomid pupal exuvial technique for lake bioassessment in Worcester county
 Nicholas Pagan Advisor: Dr. Baker
9. Parasite and ecology in *Aedes hendersoni*
 Levi Seeley Advisor: Dr. Livdahl
10. An exploration of the effects of UV exposure on *Dictyostelium discoideum* via cell printing and epigenome analysis
 James St. Denis Advisor: Drs. Larochelle & Drewell
11. Spatiotemporal expression pattern of neurogenic homologs reveals a possible role in the annelid, *Capitella teleta*
 Abhinav Sur Advisor: Dr. Meyer
12. Male sticklebacks' courting behavior in relation to type of female stimulus
 Tina Thao Vo Advisor: Dr. Foster
13. Investigating methylation differences within sub-castes of *Apis mellifera*
 Ethan Wainblat Advisor: Dr. Drewell
14. Genetic differences may underlie variation in formaldehyde uptake rates between species of marine diatom
 Baxter Worthing Advisor: Dr. Robertson

Incoming Graduate Student Research

15. Conservation genetics of *Ceroxylon quindiuense* in the largest wild population of Colombia and selected neighboring *ex situ* collections
 Katherine Chacon-Vargas Clark Advisor: Dr. Gibbons