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 PLCγ  
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 hendarsoni*  
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