Schedule

7:45 Check-in
8:30 Opening remarks
8:45 Oral Presentations – Session I (#1 – 5)

1) Shoaling preferences in juvenile convict cichlids affected by group composition
   Theresa Marlin* and Joseph M. Leese; DeSales University
   (Undergraduate)
2) How the number and sex of parents present during intruder events affects the defense and behavior
   of offspring: a field study of the biparental convict cichlid in Lake Xiloá, Nicaragua
   Layla Al-Shaer*, Murray Itzkowitz; Lehigh University
   (Graduate)
3) The influence of sex-ratio on reproductive success in the sheepshead minnow (Cyprinodon variegatus)
   Timothy Paciorek*, Michael Kuchka, and Murray Itzkowitz, Lehigh University
   (Graduate)
4) Do Conspecific or Heterospecific Fish Affect Territorial Male Reproductive Success in the Leon Springs
   Pupfish (Cyprinodon bovinus)?
   Andrew Bloch*; Lehigh University
   (Graduate)
5) A Test of Cognitive Ability as a Reproductive Isolating Barrier
   Michael McQuillan*, Timothy C. Roth, and Amber M. Rice; Lehigh University
   (Graduate)

10:00 Break
10:30 Oral Presentations – Session II (#6 – 11)

6) Food preference and feeding rates in a native and invasive species of terrestrial slug
   Melissa Mayol* and Erika V. Iyengar; Muhlenberg College
   (Undergraduate)
7) "Agar-based diets for assessing nutritional value of sediment ingestion: the picky-eater sea urchin
   conundrum!"
   Dana I. Grieco*; Michael P. Russell; Villanova University
   (Undergraduate)
8) Using Pollen-Tube Germination to Examine the Incompatibility System of Schlumbergera x Buckleyi
   var. Magenta
   Briana N. Ferguson* and Amy E. Faivre, Cedar Crest College
   (Undergraduate)
9) The Chemical Ecology of a Hybridizing Chickadee System: Olfaction and Reproductive Isolation
   Alex Huynh*, Lehigh University
Effect of Bisphenol A on Sea Urchin Embryo Spicule Development
Michael Hovan*, Muhlenberg College

Reduction of achaete-scute like expression in *Nematostella vectensis* leads to loss of endodermal neurons
Dylan Z. Faltine-Gonzalez*, Jamie Havrilak, Michael J. Layden; Lehigh University

**12:00** Lunch

**1:30** Oral Presentations – Session III (#12 – 16)

12) Quantifying host genome response to gene drive using experimental evolution.
Katie Fisher* & G. Lang
Lehigh University Department of Biological Sciences

13) Rate of Adaptation and Spectrum of Beneficial Mutations in Haploids and Diploids
Daniel Marad*, Greg Lang, Department of Biological Sciences, Lehigh University

14) Variable Effects of eRPL22 Family Paralogue Depletion on Eye Development in Drosophila melanogaster
Brett W. Gershman* and Vassie C. Ware, Department of Biological Sciences, Lehigh University

15) Whole-genome duplication provides a fitness advantage to galactose-evolved yeast
Kenneth Brill*, Biological Sciences, Lehigh University

16) Characterizing patterns of epistasis in experimentally-evolved yeast
Sean W. Buskirk*, Ryan Emily Peace, Gregory I. Lang
Department of Biological Sciences, Lehigh University
Bioengineering Program, Lehigh University

2:45 Break / Oral Presentation Voting

3:15 Poster Session I (Odd Numbers)

4:00 Poster Session II (Even Numbers)

4:45 Break/Move to auditorium/poster voting

5:00 Keynote Speaker, Jacob Russell, Drexel University

6:00 Awards and closing