Graduate Students in Ecology and Evolutionary Biology

16th Annual Graduate Student Symposium ~ University of Illinois at Urbana-Champaign

February 8th, 2014

Morning Schedule

8:30 – 9:00 Morning Refreshments

9:00 – 9:05 Welcoming Remarks – Laura Stein

Moderator: John Crawford


9:20 – 9:35 Austin Happel: You are what you eat: can lipids tell us what has been consumed?

9:35 – 9:50 Catherine Hughes: The developmental basis of evolutionary changes in limb proportions

9:50 – 10:05 Denise Devotta: Evaluating geomorphic and temporal factors in regulating nutrient availability from alder to streams in southwestern Alaska

10:05 – 10:20 Dora Cohen: Environmental variability shapes microbial community response to altered hydrology in an Illinois wetland

10:20 – 10:35 Break

Moderator: Janice Kelly

10:35 – 10:50 Allie Gardner: Native and exotic, invasive shrubs alter mosquito oviposition behavior and life history characteristics

10:50 – 11:05 Amanda Owings: Inference of population history from the analysis of DNA from an ancient population and their descendants in British Columbia

11:05 – 11:20 Jessica Bergeron-Brandt: Impact of population expansion on
genetic diversity and structure of river otters (*Lontra canadensis*) in central North America

11:20 – 11:35  **Kelsey Witt:** Ancient DNA analysis of dogs from southern Illinois

11:50 – 1:30  Lunch

**Afternoon Schedule**

1:35 – 1:45  Afternoon Remarks – Rhiannon Peery

  *Moderator:* Daniel Urban

1:45 – 2:00  **Kai Zhao:** Proliferation of endogenous retroviruses in the early stages of a host germ line invasion

2:00 – 2:15  **Vincent Hustad:** Species concepts in Geoglossomycetes

2:15 – 2:30  **Adam Brandt:** The elephants of Gash-Barka, Eritrea: nuclear and mitochondrial genetic patterns

2:30 – 2:45  **Laura Stein:** Effect of parenting on risk-taking behaviors in stickleback

2:45 – 3:00  **Lisa Powers:** Does white-nose syndrome impair reproductive capacity in the little brown bat (*Myotis lucifugus*)?

3:00 – 3:15  Break

  *Moderator:* Muchu Zhou

3:15 – 3:30  **Lauren Fields:** Regional and temporal variation in antifreeze proteins from *Trematomus bernacchii* in McMurdo Sound

3:30 – 3:45  **Simon Pearish:** Behavioral type - environment correlations in three-spined stickleback

3:45 – 4:00  **Miranda Haus:** Closing the gap between genomes and phenomes: high-throughput analysis of the plant epidermis

4:00 – 4:15  **Katherine Heineman:** Variation in tropical tree wood nutrient stoichiometry along a soil fertility gradient

4:45 – 6:30  **Reception and Poster Session:** Posters will be on display in the Levis Center on the third floor (919 W. Illinois St.).