

Ecology and Evolutionary Biology Graduate Research Symposium

Saturday March 8th
Biological Sciences and Physics Building. Room 130
8:30 AM - 4:00 PM

Morning Session

8:30-8:45 Janet Greger Introductory Remarks

8:45-9:00 Patrick Herron, Dan Gage & Zoe Cardon The opportunities for application of the proU-gfp transcriptional fusion as a bioreporter for water availability in the soil environment.

9:00-9:15 Ken Barber On the gross anatomy of the spiral intestine of sharks from the Order Lamniformes.

9:15-9:30 Stacey Leicht Life is bittersweet...the story of an invasive vine and its native congener.

9:30-9:45 Chris Martine The evolution and natural history of breeding systems in sub-arid tropical *Solanum* of Australia.

9:45-10:15 coffee break

10:15-10:30 Heather Fried Determining if a Species is in Decline: Conservation Status of Two Anadromous Coastal Fishes (Or: How I Got This Bitchin' Lab Uniform!)

10:30-10:45 Eric Mosher Utilizing aerial photography to reconstruct and quantify land use history patterns across a heterogeneous landscape: A prelude to an investigation of the distribution of invasive plants.

10:45-11:00 Robynn Shannon The Nettlesome Questions of Gender Determination and Breeding System Evolution in *Urtica dioica*.

11:00-11:15 late morning break

11:15-11:30 Hilary A. McManus and Louise A. Lewis Phylogenetic relationships among the freshwater green algae, *Pediastrum* spp. and *Hydrodictyon* spp.

11:30-11:45 Pat Owen The significance of small frequency changes in the aggressive calls of the green frog, *Rana clamitans*.

11:45-12:00 Uzay Sezen Parentage analysis of an abundant neotropical palm.

12:00-1:00 lunch

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Afternoon Session

1:00-1:15 Michael Wall Trend spotting in taxonomy: from the beehive to the mullet.

1:15-1:30 Lori Hosaka LaPlante SRF (single red female) seeks attractive DM (dominant male): advertising availability in the fish world.

1:30-1:45 Gregor Yanega and Margaret Rubega Bending Bones and Hummingbird Lips.

1:45-2:00 Krissa Skogen Exploring causes of decline in rare plant species better known as: Why walrus don't live in North Dakota even though they want to.

2:00-2:15 afternoon break

2:15-2:30 Tracy Gartner Where are the neighbors? How layering of leaves on the forest floor influences decomposition.

2:30-2:45 Jonathan Richmond Two Skinks Walk into a Bar and One says to the other. . .

2:45-3:00 Dan Vanderpool Why my cicadas come out every year.

3:00-3:15 Pablo Arroyo Changes in landscape structure and composition for the Chorotega region, Costa Rica from 1960 to 2000.

3:15-3:30 afternoon break

3:30-3:45 Andrew Latimer Assembling Diversity by Patchwork: reframing the question of fynbos hyperdiversity.

3:45-4:00 Maxi Polihronakis Sexual Selection and The Genitalia of the Sacred Scarabs.