

26th Annual Physiological Ecology Meeting
Owens Valley Lab, Bishop, CA
June 5 - 7, 2009
Schedule and Presentations

Saturday, June 6

7:45 – 8:45am **BREAKFAST**

9:00 am – Introduction and Welcome

9:10 – 9:30am Jessica Malish (Univ. of Montana) – How acute is the acute stress response? Implications for field research

9:30 – 9:50 am Shawn Noren (UC Santa Cruz) – Physiological limits of Narwhals (*Monodon monoceros*): Predictors of vulnerability to changing Arctic Sea ice conditions

9:50- 10:10 am Heidi Contreras (UC Irvine) – Metabolic rate and its effect on insect respiratory pattern

10:10 -10:30am **COFFEE BREAK**

10: 30 – 10:50 am Stephanie Wakeling (UNR) – Corticosterone and glucose responses to handling stress in Desert Tortoise

10:50 – 11:10am James Waters (Arizona State University) – Allometric scaling of whole colony metabolic rate in the seed harvester ant, *Pogonomyrmex californicus*

11:10- 11:30 am Zac Kohl (Portland State University) – Red blood cell size and vascular resistance in amphibians

11:30-11:50am Stan Hillyard (UNLV) – Devils Hole pupfish: Another canary in the climate change coal mine?

11:50 – 1:30pm **LUNCH BREAK**

1:30 – 1:50pm Bjarke Jensen (Aarhus University) – The reptile heart: Physiology inferred from anatomy

- 1:50 – 2:10pm Ondi Crino (Univ. of Montana) – Stress coping styles and singing behavior in the short-tailed singing mouse
- 2:10- 2:30pm John Eme (UC Irvine) Effect of R-L shunt removal on recovery from exhaustion in American alligator (*Alligator mississippiensis*)
- 2:30 – 3:00pm Jason Podrabsky (Portland State University) – Alternate developmental pathways in annual killifish embryos controlled by maternal influences and environmental variables

3:00 – 3:30pm **AFTERNOON BREAK**

- 3:30 – **John Harrison - Guest Speaker** (Arizona State University) – Responses of insect size to atmospheric oxygen level and a proposed “time machine” for understanding biotic consequences of global change

6:00 – 7:30 **DINNER**

SUNDAY, June 7

8:00 - 9:00 am **BREAKFAST and BAG YOUR OWN LUNCH**

- 9:00am - John Lighton (Sable Systems/UNLV) Flow-through respirometry without baseline interruptions: A new methodology

POSTERS

1. Bjarke Jensen (Aarhus University) Postprandial cardiac constancy in ball pythons
2. Erica Heinrich (Arizona State University) How does hypoxia effect the adult body size of *Drosophila melanogaster*?