

# 27th Annual Physiological Ecology Meeting

Owens Valley Lab, Bishop, CA, June 4-6, 2010

**FRIDAY, June 4-** Arrive at WMRS

## **SATURDAY, June 5**

**7:45 – 8:45am**      ***BREAKFAST***

9:00 am –            Introduction and Welcome

9:10 – 9:30am      **Energy Costs of Running in Weasels** – Mark Chappell, UC Riverside

9:30 – 9:50 am      **Field metabolic rate and energy budgets in Antarctic fur seal pups: Biological and environmental determinants of resource allocation** – Gitte McDonald, UC San Diego

9:50- 10:10 am      **Physiological responses to thermal ramping in three life stages of a Tenebrionid beetle-** Ashley Vorhees, UC Irvine

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

10: 30 – 10:50 am      **Locomotory cost and myoglobin desaturation in diving emperor penguins** – Cassandra Williams, UC San Diego

10:50 – 11:10am      **Do Forces Trigger the Trot-Gallop transition?** – Don Hoyt, Cal Poly Pomona

11:10- 11:30 am      **Effects of High Altitude on Lung Surfactant Lipids in Deer Mice** – Sonia Diaz, UC Riverside

11:30-11:50am      **Turning Crocodiles into Birds: Lessons from Altering Cardiac Morphology** – James Hicks, University of California Irvine

**11:50 – 1:30pm**      ***LUNCH BREAK***

1:30 – 1:50pm      **A determined determination of determinate growth in mice** – Joe Szewczak, Humboldt State University

- 1:50 – 2:10pm      **Understanding Flowering under Changing Climates: an approach synthesizing genetics and physiology** – Amity Wilczek, Deep Springs College & Brown University
- 2:10- 2:30pm      **How acute is the acute stress response? Changes in glucocorticoid physiology 24 hours after an acute stressor in white-crowned sparrows** – Jessica Malisch, University of Montana
- 2:30 – 3:00pm      **The metabolic and thermal consequences of pregnancy on African house snakes.** Alex Jackson, University of California Irvine
- 3:00 – 3:30pm      Break**
- 3:30 – 3:50pm      **Proximity to a high traffic road: glucocorticoid and life history consequences for nestling white-crowned sparrows** – Ondi Crino, University of Montana
- 3:50pm – 4:10pm      **Ambient oxygen as a determinant of cardiac hypertrophy in the postprandial American alligator (*Alligator mississippiensis*)** – Chris Slay, University of California, Irvine
- 4:10pm- 4:30pm      **New developments in metabolic measurement** – John Lighton, UNLV & Sable Systems
- 4:30pm-5:00pm      Break**
- 5:00pm -      Before Dinner Speaker :**Physiology and the Past: How Paleoatmospheres Influenced the Evolution of Animal Life on Earth** – Frank Powell, Professor, School of Medicine, UC San Diego, Director White Mountain Research Station

#### **POSTERS**

1. **Social stress in potter traps** – Brandy Wallace, University of Montana

**6:00 – 7:30pm      DINNER TIME!**

### **SUNDAY, June 6 – Departure**

**8:00 – 9:0am      BREAKFAST & BAG YOUR OWN LUNCH TO GO!**