

# 2007 PHYSIOLOGICAL ECOLOGY MEETING SCHEDULE OF PRESENTATIONS

SATURDAY, JUNE 2

**6:50- 8:00**

## **BREAKFAST**

**8:00 - 8:10**

## **OPENING REMARKS**

**8:10 - 8:30**

### ***Adaptation to environmental hypoxia in crustaceans***

Jennifer Head

University of Nevada, Las Vegas

**8:30 - 8:50**

### ***Ostrich metabolism and forces during exercise***

John Otten / Lisa Coder

Cal Poly Pomona

**8:50 – 9:10**

### ***Circadian rhythms and VO<sub>2</sub> Max***

Matt Van Sant

University of California, Riverside

**9:10 - 9:30**

### ***Seasonal and behavioral influences on evaporative water loss in African Elephants***

Robin Dunkin

University of California, Santa Cruz

**9:30 – 9:50**

### ***A hot knot of toads: The benefits of aggregating for metamorphic Andean toads***

Robert Espinoza

Cal State University, Northridge

**9:50-10:20**

## **BREAK**

**10:20-10:40**

### ***The effects of thermal acclimation of the Relict Leopard frog (Rana onca)***

Jeffrey Goldstein

University of Nevada, Las Vegas

**10:40-11:00**

### ***AQP's, and TRP's, PDQ!***

Stan Hillyard

University of Nevada, Las Vega

**11:00-11:20**

### ***Adventures in Drosophilation***

John Lighton Sable Systems / University of Nevada, Las Vegas

**11:20-11:40**

### ***Energetics of Drosophila melanogaster during metamorphosis***

Allison Merkey

University of Nevada, Las Vegas

**11:40-12:00**

### ***Adaptations for heat exchange in Desert Tortoise***

Pete Noles

University of Nevada, Reno

## SATURDAY, JUNE 2 (continued)

**12:10 - 1:25**

### **LUNCH**

**1:30 - 1:50**

***How frogs get it up: A lymphomaniacs dilemma***

Stan Hillman

Portland State University

**1:50 - 2:10**

***How frogs get it up: Movement of lymph by specialized skeletal muscles and lung ventilation***

Michael Hedrick

Cal State University, East Bay

**2:10 - 2:30**

***Effects of core body temperature and dehydration on non-invasive estimates of body composition in bullfrogs***

Tom Unangst

US Air Force Academy

**2:30 - 2:50**

***The development and senescence of honey bee flight performance***

Jason Vance

University of Nevada, Las Vegas

**2:20-3:20**

### **BREAK**

**3:20-3:40**

***Geographic variation and phenotypic plasticity in the western fence lizard, Sceloporus occidentalis***

Christine Buckley

University of Massachusetts, Amherst

**3:40-4:00**

***Tracking migration and evaluating habitat use in eared grebes (Podiceps nigricollis) using fatty acid and signature analysis***

Jennifer Gafney

University of San Diego

**4:00-4:20**

***The challenge of energetic and thermal balance in aquatic environments: A simple bioenergetic-behavioral model for sea otters***

Laura Yeates

US Navy Marine Mammal Program

**4:20-4:40**

***Jughandling behavior in northern seal (Callorhinus ursinus) pups: Energetic costs without thermal consequences?***

Heather Mostman-Liwang

University of California, Santa Cruz

**4:40-5:00**

***The 500 m brain: How marine mammals prevent neural damage during prolonged submergence***

Terrie Williams

University of California, Santa Cruz

**6:00 PM DINNER**

**7:00 MUSIC -- The Funk Jazz Collective**

# 2006 PHYSIOLOGICAL ECOLOGY MEETING SCHEDULE OF PRESENTATIONS

SUNDAY, JUNE 3

**6:50- 8:00**

**BREAKFAST**

**8:30-8:50**

***Energetic efficiency in forced vs. voluntary locomotion in Deer Mice***

Kyle VanDolah

University of California, Riverside

**8:50-9:20**

***Hot apples, shrunken brains, and dumb flies***

Stephen Roberts

University of Nevada, Las Vegas

**9:20-9:40**

***Covert video reveals the incubation secrets of cavity nesting birds***

Wes Weathers

University of California, Davis

**9:40-10:00**

***Coexisting generalist herbivores occupy unique nutritional feeding niches***

Spencer Behmer

Texas A & M University

**10:00-10:20**

***A toad's tale: Annual thermal experience of the red-spotted toad of the Mojave Desert***

Candice Raucsh

University of Nevada, Las Vegas

**POSTERS**

- ***Statistical estimation of locomotor performance***

Stephen Adolph

Harvey Mudd College

- ***Effects of glucocorticoids on anti-predator behaviors***

Jarrold Peercy / Tim Karels

Cal State, Northridge

- ***Effects of core body temperature and dehydration on non-invasive estimates of body composition in bullfrogs***

Tom Unangst

US Air Force Academy