

25th Annual Physiological Ecology Meeting

Owens Valley Lab, Bishop, CA

June 6-8, 2008

Schedule and Presentations

Saturday, June 7

7:45 – 8:45am

BREAKFAST

9:00am

Introduction and Welcome

9:10 – 9:30am

The pulmonary bypass shunt and growth in the American Alligator
June Gwaltheny – UC Irvine

9:30 – 9:50am

Carbohydrate metabolism during fasting in the Northern Elephant Seal
Cory Champagne – UC Santa Cruz

9:50 – 10:10am

*Repeatability and correlation of swimming performances and morphology over varying time scales in the guppy (*Poecilia reticulata*)*
Christopher Ouifiero – UC Riverside

10:10 – 10:30am

COFFEE BREAK

10:30 – 10:50am

Growth, metabolism and cardiopulmonary plasticity in the American Alligator under normobaric hypoxia and hyperoxia
Tomasz Owerkowicz – UC Irvine

10:50 – 11:10am

*Thermal effects of winter aggregation in the Desert Night Lizard (*Xantusia vigilis*)*
Alison Davis – UC Santa Cruz

11:10 – 11:30am

Chemosensation by toad skin; current view of potential mechanisms
Stan Hillyard – University of Nevada, Las Vegas

11:30 – 11:50am

Insects a model animals for biomedical research
John Lighton – Sable Systems

11:50 – 1:30pm

LUNCH BREAK

1:30 – 1:50pm

Heat flux in desert night lizards (Xantusia vigilis): effects of temperature, season, and aggregation on thermal stability

Heather Mostman-Liwanag – UC Santa Cruz

1:50 – 2:10pm

Hypergravity exercise training as a panacea for microgravity

Jason Blank – UC Irvine

2:10 – 2:30pm

New methods for monitoring nutritional stress among reptiles

Marshall McCue – University of Arkansas

2:30 – 3:00

BREAK

3:00 – 3:30pm

Endocrine maternal effects on integrated anti-predator traits in side-blotched lizards (uta stansburiana)

Lesley Lancaster – UC Santa Cruz

3:30 – 3:50pm

The isotopic ecology of man-eating lions

Justin Yeakel – University of Southern California

3:50 – 4:10pm

Allometric scalings of basal and maximal metabolic rate in mammals: Oxygen diffusion through fractal alveolar membranes

Chen Hou – University of New Mexico

4:30 – 5:30pm

Special Guest Speaker - Peter Frappell

Department of Zoology, La Trobe University, Australia

“Beer”

All Day

POSTERS

Food of life; Fire of life: Energy budget during growth

Wenyun Zuo – University of New Mexico

The Metabolic Cost of Digestion in the Ball Python, *Python regius*

Michael Hadley – Saddleback College

6:00 – 7:30

DINNER

SUNDAY, JUNE 8

8:00 – 9:00am

BREAKFAST and bag your own lunch