

2005 PHYSIOLOGICAL ECOLOGY MEETING SCHEDULE OF PRESENTATIONS

SATURDAY, JUNE 3

06:50 - 8:00 Breakfast

08:00 - 8:10 *Opening Ceremonies and Awards*

Steven Wickler

Cal Poly Pomona

08:10 - 8:30 *Aerobic performance of deer mice at high altitude: does birth site matter?*

Mark Chappell

UC Riverside

08:30 - 8:50 *Amphibian water absorption: perfusion, diffusion, confusion.*

Stan Hillyard

UN Las Vegas

08:50 - 9:05 *Experimentally evolved temperature adaptations*

Nancy Aguilar-Roca

UC Irvine

09:05 - 9:20 *Thermal properties of bottlenose dolphin blubber: is blubber a phase change material?*

Robin Dunkin

UC Santa Cruz

09:20 - 9:50 Break

09:50 - 10:10 *Nutrient dynamics in a desert bird community; the functional importance of columnar cacti*

Blair Wolf

Univ of New Mexico

10:10 - 10:30 *An experimental test of tradeoffs during evolutionary temperature adaptation.*

Al Bennett

UC Irvine

10:30 - 10:50 *The grass is greener: costs of diet switching may inhibit insect eating by herbivorous lizards*

Diana Andres

CSU Northridge

10:50 - 11:20 Break

11:20 - 11:40 *Effects of development at high altitude: aerobic performance in the deer mouse, Peromyscus maniculatus.*

Greg Russell

UC Riverside

SATURDAY, JUNE 3 (continued)

11:40 - 12:00 *The broad-scale ecology of energy expenditure*

Kristina Anderson

Univ of New Mexico

12:00 - 1:10 Lunch

1:10 - 1:30 *The physiology of surfina*

Terrie Williams

UC Santa Cruz

1:30 - 1:50 *Sex, lipids, and thermoregulation: what's the connection?*

Bobby Espinoza

CSU Northridge

1:50 - 2:05 *Continuous gas exchange: what the Eleodes t'ing mon?*

John Lighton

UN Las Vegas

2:05 - 2:40 Break

2:40 - 3:00 *Thermoregulation and diving energetics in the sea otter (Enhydra lutris): are they pushing their physiological limits?*

Laura Yeates

UC Santa Cruz

3:00 - 3:20 *Experimental evolutionary adaptation to environmental pH in the bacterium Escherichia coli*

Brad Hughes

UC Irvine

3:20 - 4:00 *Buffering during ammonia volatilization in the terrestrial isopod Armadillidium vulgare.*

Jonathan Wright

Pomona College

4:00 - 4:20 Break

4:20 - 5:30 *SPECIAL GUEST SPEAKER*

William Dawson

Univ of Michigan

6:00 - 7:30 Dinner

7:00 - 9:00 *Entertainment- Music by Charlie and Nick Broten*

2005 PHYSIOLOGICAL ECOLOGY MEETING
SCHEDULE OF PRESENTATIONS
SUNDAY, JUNE 4

06:50 - 8:00 **Breakfast**

08:00 - 8:20 *Corticosterone and corticosterone binding in globulins in mice selectively bred for high activity levels*

Jessica Bunkers UC Riverside

08:20 - 8:40 *Evolution of saline-tolerance in mosquito larvae*

Melissa Albers UC Irvine

08:40 - 9:00 *26 easy measures of insect cold tolerance*

Brent Sinclair UN Las Vegas

09:00 - 9:30 **Break And Pack Your Lunch**

09:30 - 9:50 *Absence of plasticity in reptilian skeletal muscle.*

Amanda Szucsik UC Irvine

09:50 - 10:10 *Do forces trigger the trot-gallop transition?*

Lauren Smith Cal Poly Pomona

10:10 - 10:30 *Is life better with blubber? Lower critical temperature of the California sea lion (*Zalophus californianus*)*

Heather Mostman UC Santa Cruz

10:30 - 10:50 *Constants in a changing body: BMR and fat in staging and migrating Eared Grebes.*

Hugh Ellis Univ of San Diego

10:50 - 11:20 *Closing Remarks*

POSTER - *Premature post exercise exhaustion following lactic acid injections in the House Gecko (with Grace Tran)*

Elizabeth De Leon Saddleback College

POSTER - *Oxygen consumption during variable speeds of terrestrial locomotion in *Melopsittacus undulatus*- Parakeet, Budgerigar (with Kyle Stansifer).*

Robert Vogel Saddleback College