

SATURDAY, June 3

8:00 - 8:10 Opening Remarks

8:10 - 8:30 Christine Buckley, *Tulane University* : The relevance of developmental plasticity to long-term fitness in the western fence lizard, *Sceloporus occidentalis*

8:30 - 8:50 Rosa Runcie, *Cal State Fullerton* Cranial Endothermy in the moonfish (*Lampris guttatus*)

8:50 - 9:10 Amzi Griego Marsh, *Cal Poly Pomona* Metabolic fate 13C lactate Post Exercise in horses

9:10 - 9:30 Nancy Aguilar-Roca, *UC Irvine* Methionine biosynthesis limits adaptation to high temperature in *E. coli*

9:30 - 10:00 Break

10:00 - 10:20 Joan Backey, *Cal State Fullerton* The potential for lactate processing in white muscle of endothermic and ectothermic sharks

10:20 - 10:40 Jenifer Utz, *University of Nevada, Las Vegas* Arousal from torpor: A dynamic process

10:40 - 11:00 Brad Hughes, *UC Irvine* Physiological patterns of adaptation in the experimental evolution of *Escherichia coli* to environmental stresses

11:00 - 11:30 Break

11:30 - 11:50 William VanTrump, *UC Irvine* Sniffing patterns of the California spiny lobster (*Panulirus interruptus*)

11:50 - 12:10 John Lighton, *University of Nevada, Las Vegas / Sable Systems* Hot flies: The effect of hypoxia on thermal tolerance in *Drosophila*

12:10 - 1:25 Lunch

1:30 - 1:50 Robert Hannon, *UC Riverside* Using genetic linkage to help determine the location of a simple mendelian trait within the genome of high volume wheel running mice

1:50 - 2:10 Matt McHenry, *UC Irvine* **Flexible flow filters in fish: the mechanics of hydrodynamic reception**

2:10 - 2:30 Brooke Keeney, *UC Riverside* **Life history traits of mice selected for high voluntary wheel running**

2:30 – 3:00 **Break**

3:00 – 3:20 Eric Britt, *UC Irvine* **Digestive energetics associated with dietary specialization in garter snakes**

3:20 – 3:40 Maria Labocha-Derkowska, University Nevada Reno Would present talk or poster but didn't give a title

3:40 – 4:00 **Break---stretch**

4:00 - 5:30 **Special Guest Speaker:** Hannah Carey, *University of Wisconsin*

6:00 – 7:30 **Dinner**

SUNDAY, JUNE 4

8:00 - 8:20 Sabreena Kasbati, *Whale Center of New England* **Does bubble feeding style in humpback whales (*Megaptera noveangliae*) affect reproductive success?**

8:20 - 8:40 Christa Woodley, *UC Davis* **The effects of temperature and carbon dioxide on the blood oxygen equilibria of Sacramento perch (*Archoplites interruptus*)**

8:40 - 9:00 Monica Baze, *University of Nevada Reno* – **High altitude hypoxia and the house mouse: An ecological genomics approach**

9:00 - 9:20 Cynthia Downs, *University of Nevada Reno* **Scaling of mass, temperature and metabolic rate in endotherms**

POSTERS

Jeremy Siemers, Colorado State University **Non-shivering thermogenesis of northern pocket gophers (*Thomomys talpoides*)**

Maria Labocha-Derkowska, University of Nevada, Reno **Repeatability of metabolic measurements in *Mus musculus***