

## Alexander S. Kauffman

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### Education

Pomona College, Claremont, CA. B.A. in Biology, *cum laude*. May, 1996  
University of California, Berkeley, CA. Ph.D. in Integrative Biology. May, 2002  
University of Virginia, Charlottesville, VA. Post-Doctoral Fellow in Behavioral Neuroscience,  
August, 2002 - present

### Honors and Awards

Young Investigator Award, Society for Behavioral Neuroendocrinology (2004)  
NIMH Individual NRSA grant in Neuroendocrinology (F32 MH070084; Feb., 2004 – Aug., 2005)  
NIH Training Grant in Cellular and Physiological Mechanisms in Reproduction (2002-2004)  
Society for Behavioral Neuroendocrinology Graduate Student Travel Award (2002)  
Integrative Biology Student Travel Award, University of California, Berkeley (2002)  
Outstanding Graduate Student Instructor, University of California, Berkeley (1999-2000)  
Teaching Effectiveness Award, University of California, Berkeley (2000)

### Publications

- 2004 Kauffman, A.S. Emerging functions of gonadotropin-releasing hormone (GnRH) II in mammalian physiology and behavior. *Journal of Neuroendocrinology* (In Press)
- 2004 Kauffman, A.S. and E.F. Rissman. A Critical role for the evolutionarily conserved gonadotropin-releasing hormone II: mediation of energy status and female sexual behavior. *Endocrinology* (In Press)
- 2004 Kauffman, A.S., M.J. Paul, and I. Zucker. Increased heat loss effects hibernation in golden-mantled ground squirrels. *American J. of Physiology* 287: R167-73
- 2004 Kauffman, A.S. and E.F. Rissman. The evolutionarily conserved gonadotropin-releasing hormone II modifies food intake. *Endocrinology*. 145: 686-691.
- 2004 Freeman, D.A., D.A. Lewis, A.S. Kauffman, J.E. Schneider, and J. Dark. Reduced leptin concentrations are permissive for display of torpor in Siberian hamsters. *American J. Physiology*. 287: R97-R103.

- 2004 Paul, M.J., A.S. Kauffman, and I. Zucker. Feeding schedule controls circadian timing of daily torpor in SCN-ablated Siberian hamsters. *J. Biological Rhythms* 19: 226-37.
- 2003 Kauffman, A.S., M.J. Paul, M.P. Butler, and I. Zucker. Huddling, locomotor, and nest-building behaviors of furred and furless Siberian hamsters. *Physiology and Behavior* 79: 247-256.
- 2003 Kauffman, A.S., D.A. Freeman, and I. Zucker. Termination of neuroendocrine refractoriness to melatonin in Siberian hamsters (*Phodopus sungorus*). *Journal of Neuroendocrinology* 15: 191-6.
- 2002 Kauffman, A.S. and I. Zucker. Testicular recrudescence in intermediate day lengths reflects loss of photoperiodic memory in Siberian hamsters. *Journal of Biological Rhythms* 17: 345-352
- 2001 Kauffman, A.S., Cabrera, A., and I. Zucker. Torpor characteristics and energy requirements of furless Siberian hamsters. *Physiological and Biochemical Zoology* 74: 876-884.
- 2001 Kauffman, A.S., Cabrera, A., and I. Zucker. Energy intake and fur in summer- and winter-acclimated Siberian hamsters (*Phodopus sungorus*). *American Journal of Physiology* 281: R519-527.

### **Manuscripts in Preparation**

Kauffman, A.S. and E.F. Rissman. Environmental, behavioral, and neuroendocrine factors influencing induced ovulation in mammals. Invited Book Chapter. *The Physiology of Reproduction*, 3<sup>rd</sup> Edition. Editors: E. Knobil and J.D. Niell. (In Preparation)

Kauffman, A.S. and E.F. Rissman. The Role of the type-1 GnRH receptor in mediating the behavioral actions of GnRH II in a primitive mammalian species, the musk shrew. (In Preparation)

### **Current Research Collaborations:**

Neurotransmitter effects of galanin-like peptide (GALP) on feeding, locomotor, and mating behaviors in male and female mice. In collaboration with Dr. Robert Steiner and Dr. Gregory Fraley at the University of Washington, Seattle WA.

Temporal and hormonal aspects of the seasonal timer regulating reproductive development in juvenile Siberian hamsters. In collaboration with Dr. Irving Zucker and Jin Ho Park at the University of California, Berkeley, CA.

### **Teaching Experience**

Pomona College (Undergraduate Teaching Assistant):  
Introductory Biology (1995, 1996)  
Genetics (1995)

## **Teaching Experience Cont.**

University of California at Berkeley (Graduate Student Instructor):

Hormones and Behavior (1998)  
Biological Clocks, Physiology and Behavior (1998\*, 2001)  
General Biology w/lab (1999\*)  
Animal Behavior (1999\*)  
Endocrinology (2000)  
Animal Biology (2001)  
Mammalian Physiology Lab (2002)

\*denotes University of California Teaching Award for this course (see Honors and Awards)

## **Society Memberships and Committees**

Society for Neuroscience (SFN), member 2001 - present  
Society for Behavioral Neuroendocrinology (SBN), member 2000- present  
SBN Education and Awards Committee, student and post-doc representative, 2001-2003

## **Employment**

Graduate Student Instructor, University of California, Berkeley CA, 1998-2002  
Graduate Student Researcher, University of California, Berkeley, CA. 1997-2002  
Science Writer and Education Analyst, McGraw Hill Publishing, Monterey, CA, 1996-97.  
Research Assistant, Genetics Research Lab, Dr. Teresa Strecker, Pomona College, CA, 1995.

## **Ad-hoc Journal Reviewer**

Physiology and Behavior  
Hormones and Behavior  
Journal of Experimental Zoology  
Journal of Biological Rhythms  
Comparative Biochemistry & Physiology

## **Research Interests**

Environmental Regulation of Reproduction  
Neural Basis and Regulation of Reproductive Behavior  
Neuroendocrine Regulation of Reproduction and Feeding  
Photoperiodic and Neuroendocrine Mechanisms Underlying Seasonal Adaptations  
Hibernation, Daily Torpor, Thermoregulation