

CURRICULUM VITAE

HEIDI SCHUTZ

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University of California
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CURRENT POSITION

2008-Present Chancellor's Postdoctoral Scholar, U.C. Riverside. Advisor: Theodore Garland Jr.

EDUCATION AND TRAINING

2002-2008 Ph.D. Ecology & Evolutionary Biology, C.U. Boulder. Advisors: David M. Armstrong and Robert P. Guralnick
1999-2002 M.Sc. Museum and Field Studies, C.U. Boulder. Advisor: Peter Robinson
1992-1997 B.A. Anthropology U.C. Santa Cruz.

SELECTED PUBLICATIONS

- 2009 **Schutz, H.**, E.R. Donovan, and J. P. Hayes. Effects of Parity on Pelvic Size and Shape Dimorphism in *Mus*. *Journal of Morphology* 270 (7) 834-842.
- 2009 **Schutz, H.**, P.D. Polly, J.D. Krieger and R.P. Guralnick. Differential Sexual Dimorphism: Size and Shape in the Cranium and Pelvis of Gray Foxes (*Urocyon*). *Biological Journal of the Linnean Society* 96 (2): 339-353.
- 2007 **Schutz, H.** and R.P. Guralnick. Postcranial element shape and function: assessing locomotor mode in extant and extinct mustelid carnivorans. *Zoological Journal of the Linnean Society* 150 (4):895-914.

FELLOWSHIPS AND RESEARCH GRANTS

2008-2010 Chancellor's Postdoctoral Fellowship, U.C. Riverside
2006 EEB Graduate Fellowship, C.U. Boulder
2006, 2003, 2000, 1999 William H. Burt Fund Grant, University of Colorado Museum of Natural History
2006, 2000 Beverly Sears Grant, C.U. Boulder
2005 Research Fellowship, Leadership Alliance / Schering Plough
2005 Grant in Aid of Research, ASM (American Society of Mammalogists)
2005, 2004 EEB Departmental Grant, C.U. Boulder
2005 Environmental Internship, Edna Bailey Sussman Foundation
2003 Walker Van Riper Grant, University of Colorado Museum of Natural History
2003 Graduate Diversity Fellowship, C.U. Boulder
2002 NSF, AGEP Fellowship
2001 Collie Fund, University of Colorado Museum of Natural History

1999

Arnold Trust Diversity Fellowship, C.U. Boulder

HONORS AND AWARDS

EEB Teaching Award, University of Colorado

2006, 2004, 2003

TEACHING EXPERIENCE

Truckee Meadows Community College

Anatomy and Physiology I –Instructor

Spring 2008

University of Colorado Boulder

Biology: A Human Approach – Teaching Assistant

Fall 2006, Spring
2003, 2001

Animal Diversity: Vertebrates – Teaching Assistant

Spring 2006, 2005

EBIO Writing Lab – Teaching Assistant

Spring 2004, Fall 2004

Mammalogy – Teaching Assistant

Fall 2005, Fall 2003

Lead Graduate Teaching Assistant

Academic Year 2003/04

Human Anatomy – Teaching Assistant

Summer 2003, 2002 Fall
2002, 2001

Introduction to Biology – Teaching Assistant

Spring 2002

Denver Museum of Natural History

Comparative Osteology – Volunteer Teaching Assistant

January - May 2000

University of California, Santa Cruz

Primate behavior/ anatomy labs – Undergraduate Teaching Assistant

January – March 1996

INVITED PRESENTATIONS, TALKS AND WORKSHOPS

2010 Universidad Autónoma del Estado de Morelos, México

2010 Bella Vista Middle School, Murrieta, CA

2009 California State University, San Bernardino

2006 Highline Academy Charter School, Denver, CO

2005 U.S. National Fish and Wildlife Service Forensic Laboratory

2005 University of Colorado Museum of Natural History

2003 C.U. Boulder Preparing Future Faculty Program

2003 EEB Spring Symposium, C.U. Boulder

PROFESSIONAL SERVICE

Reviewing Activities:

Global Ecology and Biogeography, Evolution (International Journal of Organic Evolution), Journal of Morphology, Mammalia

University Service:

- 2009-present Postdoctoral Representative
Research Strategies Workgroup of the UC Commission on the Future
<http://ucfuture.universityofcalifornia.edu/research.html>
- 2004 Graduate Representative
Faculty Search for a Curator of Vertebrate Zoology
C.U. Museum and EEB Department
- 2002 Graduate Representative
Faculty Search for a Curator of Vertebrate Paleontology,
C.U. Museum and Geology Department

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Society of Vertebrate Paleontology
American Association of University Women
American Society of Mammalogists
Graduate Women in Science
Society for the Preservation of Natural History Collections
Society for Integrative and Comparative Biology
Sigma Xi
SACNAS (Society for the Advancement of Chicanos and Native Americans in Science)

OTHER EMPLOYMENT

Graduate Assistant, University of Colorado Museum, Invertebrate and Vertebrate Zoology Sections,
Summer 2005 and 2006.

Dissection Assistant – Human Anatomy, University of Colorado Boulder, Environmental
Population & Organismic Biology Department, Fall 2002, Summer 2001, Fall 2000

Graduate Assistant, University of Colorado Museum, Geology Section, August 1999-December
2000

Intern, Denver Museum of Natural History, 1998, 1999

Post Graduate Researcher, U.C. Santa Cruz, Anthropology Dept., January 1997-August 1997

Laboratory Technician, U.C. Santa Cruz, Anthropology Dept., November 1995-Sept. 1996

PUBLICATION LIST

HEIDI SCHUTZ

PEER REVIEWED PUBLICATIONS

In Prep Labocha, Marta K., **H. Schutz** and J.P. Hayes. Multiple regressions are better at predicting body fat than condition indices. In preparation for Functional Ecology.

In Prep Hannon, Robert M., T. H. Meek, W. Acosta, R. C. Maciel, **H. Schutz**, and T. Garland, Jr. Heterosis in Line Crosses of Mice Selectively Bred For High Locomotor Activity. In preparation for Behavioral Genetics.

In Prep **Schutz, Heidi**; R.P. Guralnick; T. Garland Jr. Functional trade-offs in Mammalian Pelvic Dimorphism. In preparation for Evolution.

In Review Garland, Theodore Jr.; **H. Schutz**; M.A. Chappell; B.K. Keeney; T.H. Meek; L.E. Copes; W.E. Acosta; C. Drenowatz; R.C. Maciel; G. van Dijk; J. C. Eisenmann. The Biological Control of Voluntary Exercise, Spontaneous Physical Activity, and Daily Energy Expenditure in Relation to Obesity: Human and Rodent Perspectives.

2009 **Schutz, Heidi**, E.R. Donovan, and J. P. Hayes. Effects of Parity on Pelvic Size and Shape Dimorphism in *Mus*. Journal of Morphology 270 (7) 834-842.

2009 **Schutz, Heidi**, P.D. Polly, J.D. Krieger and R.P. Guralnick. Differential Sexual Dimorphism: Size and Shape in the Cranium and Pelvis of Gray Foxes (*Urocyon*). Biological Journal of the Linnean Society 96 (2): 339-353.

2007 **Schutz, Heidi**. and Robert. P. Guralnick. Postcranial element shape and function: assessing locomotor mode in extant and extinct mustelid carnivorans. Zoological Journal of the Linnean Society 150 (4):895-914.

PUBLISHED ABSTRACTS

2010 Templeman, Nicole, **Schutz, H.**, Garland T. Jr. and McClelland G. B. Effect of selective breeding for high locomotor activity on metabolic fuel selection. Annual Meeting of the Canadian Zoologists (CSZ).

Schutz, Heidi, Krieger, J.D., Guralnick, R.P., & Garland, T. Jr. Pelvic Sexual Dimorphism in the Carnivora: A Phylogenetic Approach. Annual Meeting of the Society for Integrative and Comparative Biology (SICB).

Schutz, Heidi, Escobar, R.A. III; Garland & T. Jr. Responses of Scapular Size and Shape to Exercise and Selective Breeding for High Activity in *Mus*. Annual Meeting of the Society for Integrative and Comparative Biology (SICB).

- Acosta, Wendy, **Schutz, H.**, Dlugosz, E.M., Meek, T.H.; Hannon, R.M; Keeney, B.K.; Radojcic, B.E.; Maciel, R.C. & Garland, T., Jr. Food Choice in Mice Selectively Bred for High Voluntary Wheel Running. Annual Meeting of the Society for Integrative and Comparative Biology (SICB).
- 2009 Pamplin, John II, **Schutz, H.**, Radojcic T., & Garland, T. Jr. Sexual Dimorphism in Pelves of Selectively Bred *Mus domesticus*. Annual Biomedical Research Conference for Minority Students (ABRCMS).
- 2007 Donovan, Edward R., **Schutz, H.** & Hayes J. P. Effects of Parity on Pelvic Shape Dimorphism in *Mus*. Annual Meeting of the Society for Integrative and Comparative Biology (SICB).
- Labocha Marta. K., **Schutz, H.** & Hayes J. P. Evaluating the accuracy of morphometric indices of body condition. Annual Meeting of the Society for Integrative and Comparative Biology (SICB).
- 2006 **Schutz, Heidi**, Cranial and Pelvic Shape Dimorphism in the grey and island grey fox. Annual Meeting of the American Society of Mammalogists (ASM).
- 2004 **Schutz, Heidi**. The Implications of Pelvic Dimorphism in the Carnivora. Annual Meeting of the American Society of Mammalogists (ASM).
- 2002 **Schutz, Heidi** and Guralnick R. P. Using Morphometrics to Predict Locomotor Mode and Phylogenetic Position of an Extinct Plio-Pleistocene Mustelid. Abstracts of the Annual Meeting of the Geological Society of America (GSA).
- 2001 **Schutz, Heidi**. Landmark-based Morphometric Analysis of Mustelid Post-crania and its Application to the Interpretation of Extinct Taxa. 61st Annual Meeting, Society of Vertebrate Paleontology (SVP).
- Schutz, Heidi**. Landmark-based Morphometric Analysis of Modern Mustelid Post-crania and its Application to the Interpretation of Locomotion in the Extinct Taxon, *Trigonictis*. 81st Annual Meeting, American Society of Mammalogists (ASM).