

# Dr. Theodore Stankowich

Department of Biological Sciences  
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## Employment

**California State University, Long Beach**, Department of Biological Sciences

*Associate Professor*: 05/2018 – current

*Associate Chair*: 06/2019 – current

*Assistant Professor*: 08/2012 – 05/2018

**Harvard University**: Department of Organismic and Evolutionary Biology

Postdoctoral Scientist & Head Teaching Fellow: 09/2010 – 08/2012

**University of Massachusetts Amherst**: Department of Biology

Adjunct Research Assistant Professor: 11/2010 – 08/2012

Postdoctoral Scientist & Lecturer: 08/2008 – 11/2010

Darwin Postdoctoral Fellow (Sponsor: Dr. Elizabeth Jakob): 08/2006 – 08/2008

## Education

**Doctor of Philosophy – Animal Behavior**

**University of California, Davis**, Animal Behavior Graduate Group, Dept. Psychology (June 2006)

Emphasis: Ethology and Evolutionary Bases of Animal Behavior

Graduate Advisor: Dr. Richard G. Coss (Dept. Psychology)

**Master of Science – Animal Behavior**

**University of California, Davis**, Animal Behavior Graduate Group, Dept. Psychology (June 2002)

Emphasis: Ethology and Evolutionary Bases of Animal Behavior

**Bachelor of Arts – Biological Sciences (Cum Laude)**

**Cornell University**, College of Arts and Sciences (May 2000)

Emphasis: Evolution, Ecology, and Behavior

Research Advisor: Dr. Paul W. Sherman (Dept. Neurobiology & Behavior)

**Publications** (CSULB \*undergraduate student; ^graduate student)

49. **Stankowich, T.** 2019. Invited Review (*The Dama Gazelles*, Mungal, C., ed.). *Quarterly Review of Biology*, 94, 217-218.
48. **Stankowich, T. & \*Stensrud, C.** 2019. Small but spiny: the evolution of antipredator defenses in Madagascar tenrecs. *Journal of Mammalogy*, 100(1), 13-20.
47. **Stankowich, T.** 2019. Defensive Risk-Taking in Animals. In: *Encyclopedia of Animal Behavior*, 2nd ed., Choe, J. C., ed., Antipredator Behavior Section, Stankowich, T., section ed., Oxford University Press.
46. **Briolat, E., Burdfield-Steel, E., Paul, S., Rönkä, K., Seymoure, B., Stankowich, T., & Stuckert, A.** 2019. Diversity in warning coloration: Selective paradox or the norm? *Biological Reviews*, 94, 388-414.
45. **\*Cabrerá, D. & Stankowich, T.** 2018. Stabbing slinkers: Tusk evolution among terrestrial Artiodactyls. *Journal of Mammalian Evolution*.
44. **Caro, T., Newell, C., & Stankowich, T.** 2018. Ecocorrelates of pelage coloration in pigs and peccaries. *Journal of Mammalogy*.

43. **Fisher, K.A. & Stankowich, T.** 2018. Antipredator strategies of striped skunks in response to cues of aerial and terrestrial predators. *Animal Behaviour*, 143, 25-34.
  42. **Broeckhoven, C., El Adak, Y., Hui, C., Van Damme, R., & Stankowich, T.** 2018. On dangerous ground: the evolution of body armour in cordyline lizards. *Proceedings of the Royal Society B*, 284: 20161857.
  41. **Caro, T., Walker, H., Santana, S. E., & Stankowich, T.** 2017. The evolution of anterior coloration in carnivorans. *Behavioral Ecology and Sociobiology*, 71, 177.
  40. **Caro, T., Walker, H., Rossman, Z., Hendrix, M. & Stankowich, T.** 2017. Why is the giant panda black and white? *Behavioral Ecology*, 28(3), 657-667.
  39. **Stankowich, T. & Romero, A. N.** 2017. The correlated evolution of antipredator defences and brain size in mammals. *Proceedings of the Royal Society B*. COVER PHOTOGRAPH
  38. **Buesching, C. D. & Stankowich, T.** 2017. Communication amongst the Musteloids: Signs, signals, and cues. In: *Biology and Conservation of Wild Musteloids*, Macdonald, D. W., Newman, C., & Harrington, L. A., eds., pp.158-177, Oxford University Press.
  37. **Stankowich, T. & Campbell, L. A.** 2016. Living in the danger zone: Exposure to predators and the evolution of spines and body armor in mammals. *Evolution*, 70(7), 1501-1511.
  36. **Schiefelbein, H. & Stankowich, T.** 2016. Aversive or Attractive? The Effects of Skunk Oil on Predator Behavior. *Proceedings of the 27th Vertebrate Pest Conference*. Timm, R. M. & Baldwin, R. A., eds., pp. 52-58, UC Davis Press.
  35. **Jones, C., Stankowich, T. & Pernet, B.** 2016. Allocation of cytoplasm to macromeres in embryos of annelids and molluscs is positively correlated with egg size. *Evolution and Development*, 18(3), 156-170.
  34. **Caro, T. & Stankowich, T.** 2015. Concordance on zebra stripes. *Royal Society Open Science*, 2(9), 1-4.
  33. **Samia, D. S. M., Møller, A. P., Blumstein, D. T., Stankowich, T. & Cooper, W. E.** 2015. Sex differences in lizard escape decisions vary with latitude, but not sexual dimorphism. *Proceedings of the Royal Society B*, 282(1805).
  32. **Samia, D. S. M., Blumstein, D. T., Stankowich, T. & Cooper, W. E.** 2015. Fifty years of chasing lizards: new insights advance optimal escape theory. *Biological Reviews*, 91(2), 349-66.
  31. **Stankowich, T. & Reimers, E.** 2015. Escape decisions in mammals. In: *Escaping from Predators: An integrative view of escape decisions and refuge use*. Cooper, W. E. & Blumstein, D. T., eds., Cambridge University Press.
  30. **Blumstein, D. T., Samia, D. S. M., Stankowich, T. & Cooper, W. E.** 2015. Best practice for the study of escape behavior. In: *Escaping from Predators: An integrative view of escape decisions and refuge use*. Cooper, W. E. & Blumstein, D. T., eds., Cambridge University Press.
  29. **Caro, T., Izzo, A., Reiner, B., Walker, H., Stankowich, T.** 2014. Why zebras have stripes: comparative data from equids. *Nature Communications*, 5, article: 3535.
  28. **Stankowich, T., Haverkamp, P. J., Caro, T.** 2014. Ecological drivers of antipredator defenses in carnivores. *Evolution*, 68(5), 1415-1425.
  27. **Stankowich, T.** 2014. Predation and Antipredator Behavior. In: *Animal Behavior: How and Why Animals Do the Things They Do, Vol. 2: Function & Evolution of Behavior*, K. Yasukawa, ed., Praeger.
  26. **Weston, M. A. & Stankowich, T.** 2014. Dogs as agents of disturbance. In: *Free-Ranging Dogs and Wildlife Conservation* (M. E. Gompper, ed.), Oxford University Press.
  25. **Caro, T., Stankowich, T., Kiffner, C., Hunter, J.** 2013. Are spotted skunks conspicuous or cryptic? *Ethology, Ecology, & Evolution*, 25(2), 144-160.
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24. **Caro, T., Stankowich, T., Mesnick, S., Costa, D., Beeman\*, K.** 2012. Pelage coloration in pinnipeds: functional considerations. *Behavioral Ecology*, 23(4), 765-774.
  23. **Stankowich, T.** 2012. Armed and dangerous: predicting the presence and function of defensive weaponry in mammals. *Adaptive Behavior (Special Issue: "Predators and Prey")*, 20(1), 34-45.
  22. **Stankowich, T., Caro, T., & Cox\*, M.** 2011. Evolution of aposematism in terrestrial carnivores. *Evolution*, 65(11), 3090-3099.
  21. **Caro, T., Beeman\*, K., Stankowich, T., Whitehead, H.** 2011. The functional significance of colouration in cetaceans. *Evolutionary Ecology*, 25, 1231-1245.
  20. **Cooper, W.E. & Stankowich, T.** 2010. Prey or predator? Body size of an approaching animal affects decisions to attack or escape. *Behavioral Ecology*, 21(6), 1278-1284.
  19. **Stankowich, T.** 2010. Risk-taking in self-defense. In: *Encyclopedia of Animal Behavior*, Breed, M. D. & Moore, J., eds. *Antipredator Behavior Section*, Stankowich, T., section ed., Academic Press, Oxford, Vol. 3, pp. 79-86.

18. Caro, T. & Stankowich, T. 2010. The function of contrasting pelage markings in artiodactyls. *Behavioral Ecology*, 21(1), 78-84.
17. Stankowich, T. & Caro, T. 2009. Evolution of weaponry in female bovids. *Proceedings of the Royal Society B*, 276, 4329-4334.
16. Fernández-Juricic, E., Zahn\*, E.F., Parker\*, T., Stankowich, T. 2009. Tolerance to pedestrian disturbance of the California endangered Belding's Savannah Sparrow (*Passerculus sandwichensis beldingi*). *Avian Conservation and Ecology*, 4(2), 1 [online].
15. Blumstein, D.T., Ferando\*, E., Stankowich, T. 2009. A test of the multi-predator hypothesis: Yellow-bellied marmots respond fearfully to the sight of novel and extinct predators. *Animal Behaviour*, 78, 873-878.
14. Stankowich, T. 2009. When predators become prey: flight decisions in jumping spiders. *Behavioral Ecology*, 20(2), 318-327.
13. Stankowich, T. 2009. Invited review (*The Better to Eat You With: Fear in the Animal World*, Berger 2008). *Quarterly Review of Biology*, 84(3), 298.
12. Stankowich, T. 2008. Ungulate flight responses to human disturbance: a review and meta-analysis. *Biological Conservation*, 141(9), 2159-2173.
11. Stankowich, T. 2008. Tail-flicking, tail-flagging, and tail position in ungulates with special reference to black-tailed deer. *Ethology*, 114(9), 875-885.
10. Stankowich, T. & Coss, R. G. 2008. Alarm walking in Columbian black-tailed deer: its characterization and possible antipredatory signaling functions. *Journal of Mammalogy*, 89(3), 636-645.
9. Stankowich, T. 2008. Invited review (*Quantifying Behavior the JWatcher Way*, Blumstein & Daniel 2007, eds.). *Integrative and Comparative Biology*, 48(3), 437-439.
8. Stankowich, T. & Coss, R. G. 2007. Effects of risk assessment, predator behavior, and habitat on escape behavior in Columbian blacktailed deer. *Behavioral Ecology*, 18(2), 358-367.
7. Stankowich, T. & Coss, R. G. 2007. The re-emergence of felid camouflage with the decay of predator recognition in deer under relaxed selection. *Proceedings of the Royal Society B*, 274, 175-182.
6. Stankowich, T. & Coss, R. G. 2006. Effects of predator behavior and proximity on risk assessment in Columbian blacktailed deer. *Behavioral Ecology*, 17(2), 246-254, COVER PHOTOGRAPH.
5. Stankowich, T. & Blumstein, D. T. 2005. Fear in animals: a meta-analysis and review of risk assessment. *Proceedings of the Royal Society B*, 272, 2627-2634.
4. Stankowich, T. 2003. Marginal predation methodologies and the importance of predator preferences. *Animal Behaviour*, 66, 589-599.
3. Stankowich, T. 2003. Invited Review (*The African Wild Dog*, Creel & Creel 2002). *Ethology*, 109, 613-616.
2. Stankowich, T. & Sherman, P.W. 2002. Pup shoving behavior in adult naked mole rats. *Ethology*, 108, 975-992.
1. Bell, A. M., Davis, J. M., Debose, J. L., Johnson, J. C., Long, S. L., Mabry, K. E., Stankowich, T. & Watters, J. V. 2002. Greatest hits in behavioral ecology. *Trends in Ecology and Evolution*, 17, 296.

### Editorial Positions

**2019-2021: Editorial Board Member**, *Behavioral Ecology* (Journal Impact Factor 3.347)

**2018-2021: Associate Editor**, *Behavioral Ecology and Sociobiology* (Journal Impact Factor 2.382)

**2017-2018: "Antipredator Behavior" Section Editor for *Encyclopedia of Animal Behavior 2<sup>nd</sup> Edition***, Academic Press / Elsevier (J. Chao, Editor-in-Chief)

**2009-2010: "Antipredator Behavior" Section Editor for *Encyclopedia of Animal Behavior***, Academic Press / Elsevier (M. Breed & J. Moore, Editors-in-Chief)

**Presentations & Posters****Presentations:** (*student presentations and posters in italics*)**2019**

Contributed Seminar, Annual Meeting of the American Society of Mammalogists, Washington, D.C.  
 Invited Seminar, Centre for Tropical, Env., and Sustainability Science, James Cook University, Cairns, AUS  
 Invited Seminar, Taronga Zoo, Sydney, AUS  
 Invited Seminar, School of Biol., Earth, and Env. Sciences, University of New South Wales, Sydney, AUS  
 Invited Seminar, Dept. Biological Sciences, Macquarie University, Sydney, AUS  
 Invited Seminar, School of BioSciences, University of Melbourne, AUS  
 Invited Public Talk, NerdNiteLA, Los Angeles, CA (public talk)  
 Invited Seminar, Dept. Natural Resource Ecology and Management, Iowa State University, IA  
 Invited Seminar, Dept. Biology, University of San Diego, CA

**2018**

Invited Seminar, Dept. Biological Sciences, California State University Long Beach  
 Invited Seminar, Dept. Biology, California State University Fullerton, CA, USA  
 Contributed Seminar, Annual Meeting of the Animal Behavior Society in Milwaukee, WI, USA  
 Invited Seminar, Dept. Biology, California State University San Bernadino, CA, USA  
 Invited Seminar, Gordon Conference on Predator-Prey Interactions, Ventura, CA, USA  
*Contributed Seminar, Southern California Academy of Sciences (presented by UG student Nicole Lopez \*winner best student talk)*  
*Contributed Seminar, Southern California Animal Behavior Meeting (presented by UG student Nicole Lopez)*  
*Contributed Seminar, Annual Meeting of the American Society of Mammalogists in Kansas (presented by MS student Hannah Walker)*  
*Contributed Seminar, Annual Meeting of the Animal Behavior Society in Milwaukee (presented by UG student Kathy Vo)*  
*Contributed Seminar, Southwest Organismal Biology Meeting SICB, San Marcos, CA, USA (presented by MS student Hannah Walker)*

**2017**

Invited Seminar, Dept. Biology, Cerritos College, Cerritos, CA USA  
 Invited Symposium Seminar, International Urban Wildlife Conference, San Diego, CA, USA  
 Contributed Seminar, Annual Meeting of the Animal Behavior Society in Toronto, ONT, CANADA  
*Contributed Seminar, Annual Meeting of the Animal Behavior Society in Toronto (presented by MS student Hannah Walker)*  
 Contributed Seminar, Annual Meeting of the American Society of Mammalogists, Moscow, ID, USA  
 Invited Seminar, Dept. Biology, Pepperdine University, Malibu, CA USA  
 Invited Seminar, Dept. Wildlife, Humboldt State University, Arcata, CA

**2016**

Invited Seminar, Animal Behavior Group, University of California Davis, CA USA  
 Contributed Seminar, Annual Meeting of the International Society for Behavioral Ecology, University of Exeter, UK  
 Contributed Seminar, Antipredator Coloration Symposium - ISBE, University of Exeter, UK, USA  
 Invited Seminar, Dept. Biological Sciences, California State University Long Beach, CA, USA  
 Invited Seminar, CNSM Zoology Club, California State University Long Beach, CA, USA  
*Contributed Seminar, Southwest Organismal Biology Meeting SICB, Fullerton, CA, USA (presented by MS student Victoria Luce)*

**2015**

Contributed Seminar, Annual Meeting of the Animal Behavior Society in Anchorage, AK, USA  
 Contributed Seminar, Southwest Organismal Biology Meeting SICB, Pomona, CA, USA  
*Contributed Seminar, Southwest Organismal Biology Meeting SICB, Pomona, CA, USA (presented by MS student Victoria Luce)*

Invited Seminar, Dept. Biological Sciences, California State University Northridge, CA, USA

**2014**

Fellows Colloquium Lecture, College of Natural Science and Mathematics, CSULB, USA

Invited Seminar, BIOINSPIRATION corporate workshop, San Diego Zoo Global, San Diego, CA, USA

Invited Seminar, Dept. Biological Sciences, San Diego State University, San Diego, CA, USA

Invited Seminar, Dept. Biology, North Dakota State University, Fargo, ND, USA

Contributed Seminar, Society of Integrative and Comparative Biology – Southwest Organismal Biology Meeting, University of California Irvine, CA, USA

Contributed Seminar, Annual Meeting of the International Society for Behavioral Ecology, New York City, NY, USA

Contributed Seminar, Annual Meeting of the Animal Behavior Society in Princeton, NJ, USA

**2013**

Invited Speaker, City of Seal Beach, City Council Meeting on Coyote-Human Conflicts, Seal Beach, CA

Contributed Seminar, Society of Integrative and Comparative Biology – Southwest Organismal Biology Meeting, University of California Riverside

Contributed Seminar, 5<sup>th</sup> Western Evolutionary Biology Meeting, UC Irvine, CA, USA

Contributed Seminar, Annual Meeting of the Animal Behavior Society in Boulder, CO, USA

Contributed Seminar, Annual Meeting of the American Society of Mammalogists, Philadelphia, PA, USA

Invited Seminar, Dept. Ecology & Evolutionary Biology, University of California Los Angeles, CA, USA

Invited Seminar, Dept. Biology, California State University Fullerton, CA, USA

Contributed Platform Presentation, CNSM Faculty Symposium, Cal State Univ Long Beach, CA, USA

Invited Seminar, Biology Students Association, Cal State Univ Long Beach, CA, USA

**2012**

Invited Seminar, Dept. Biological Sciences, California State University Long Beach, CA, USA

Invited Seminar, Dept. Biology, Smith College, Northampton, MA, USA

Invited Seminar, Center for Geographic Analysis, Harvard University, Cambridge, MA, USA

Contributed Seminar, Annual Meeting of the Animal Behavior Society in Albuquerque, NM, USA

Pierce Lab Seminar, Dept. Organismic and Evolutionary Biol, Harvard University, Cambridge, MA, USA

Farewell Seminar, Organismic & Evolutionary Biology, University of Massachusetts, Amherst, USA

**2011**

Invited Seminar, Dept. Biology, Santa Clara University, CA, USA

Invited Seminar, Dept. Biology, Eastern Illinois University, Charleston, IL, USA

Invited Seminar, Dept. Biology, Arcadia University, Glenside, PA, USA

Invited Seminar, Dept. Biology, West Chester University, West Chester, PA, USA

Invited Seminar, Dept. Biology, University of Michigan-Dearborn, Dearborn, MI, USA

Invited Seminar, Dept. Psychology, James Madison University, Harrisonburg, VA, USA

Invited Seminar, Dept. Psychology, Franklin & Marshall College, Lancaster, PA, USA

Invited Expert Speaker, Science on Screen: “THE BIRDS”, Coolidge Corner Theatre, Brookline, MA, USA

Contributed Seminar, The Annual Meetings of the Animal Behavior Society and the International Ethological Conference in Bloomington, IN, USA.

**2010**

Invited Seminar, Museum of Comparative Zoology, Harvard University, Cambridge, MA, USA

Pierce Lab Seminar, Dept. Organismic & Evolutionary Biol, Harvard University, Cambridge, MA, USA

Hoekstra Lab Seminar, Dept. Organismic & Evolutionary Biol, Harvard University, Cambridge, MA, USA

Contributed Seminar, The Annual Meeting of the Animal Behavior Society in Williamsburg, VA, USA.

Contributed Seminar, The Annual Meeting of the Society for the Study of Evolution in Portland, OR, USA.

Invited Seminar, Dept. Biology, Stonehill College, Easton, MA, USA

Invited Seminar, Dept. Biology, The Pennsylvania State University, State College, PA, USA

**2009**

Invited Seminar, BIOTAP Program, Dept Biology, University of Massachusetts, Amherst, MA, USA.

Invited Seminar, School of Cognitive Science, Hampshire College, Amherst, MA, USA  
 Contributed Seminar, The Annual Meeting of the Animal Behavior Society in Pirenópolis, BRAZIL

**2008**

Lead Speaker, Antipredator Behavior Symposium Working Group, Annual Meeting of the International Society for Behavioral Ecology, Cornell University, Ithaca, NY, USA  
 Invited Seminar, Biology Program, Bard College, Annandale-on-the-Hudson, NY, USA  
 Invited Seminar, School of Biology, Georgia Institute of Technology, Atlanta, GA, USA

**2007**

Invited Seminar, Dept Biological Sciences, Mount Holyoke College, South Hadley, MA, USA  
 Contributed Seminar, The Annual Meeting of the Animal Behavior Society in Burlington, VT, USA  
 Invited Seminar, Dept Ecology, Behavior, & Evolution, University of California San Diego, CA, USA  
 Invited Seminar, Dept Psychology, University of Exeter, Exeter, UK  
 Invited Seminar, Harvard Forest Field Station, Harvard University, Petersham, MA, USA  
 Invited Seminar, BIOTAP Program, Dept Biology, University of Massachusetts, Amherst, MA, USA.

**2006**

Clyde Warner Allee Talk, The Annual Meeting of the Animal Behavior Society in Snowbird, UT, USA  
 Invited Seminar, Bodega Marine Laboratory, Bodega Bay, CA, USA  
 Exit Seminar, Animal Behavior Graduate Group, University of California, Davis, CA, USA  
 Invited Seminar, Organismic & Evolutionary Biol, University of Massachusetts, Amherst, MA USA.  
 Contributed Seminar, Annual Meeting Western Section of the Wildlife Society, Sacramento, CA, USA

**2005**

Brownbag Seminar, Dept Psychology, University of California, Davis, CA, USA  
 Invited Seminar, Dept Env Science, Policy, and Management, University of California, Berkeley, CA USA  
 Contributed Seminar, The Annual Meeting of the Animal Behavior Society in Snowbird, UT, USA  
 2<sup>nd</sup> Animal Behavior Graduate Group Research Conference, University of California, Davis, CA, USA

**2004**

Invited Seminar, Point Reyes National Seashore, Point Reyes Station, CA, USA  
 Contributed Seminar, The Annual Meeting of the Animal Behavior Society in Oaxaca, MEXICO.  
 Psychobiology Brownbag, Department of Psychology, University of California, Davis, CA, USA

**2003**

1<sup>st</sup> Animal Behavior Graduate Group Research Conference, University of California, Davis, CA, USA

**Posters:** (non-presenting co-author posters in italics)

- 2018:** *Southern California Animal Behavior Conference, UCLA (x3; Rita Collins, Doreen Cabrera, Kathy Vo)*  
*Annual Meeting of the Animal Behavior Society, Milwaukee, WI (Nicole Lopez)*  
*CNSM Student Research Symposium (x4; Max Amaya, Nicole Lopez, Kathy Vo, Lizbeth Jardon)*  
*Southwestern Organismal Biology, San Marcos, CA (x4; presented by Nicole Lopez, Max Amaya, Lizbeth Jardon, Jonathon Tupas)*
- 2017:** *Southwestern Organismal Biology, Claremont, CA (x2; presented by Nicole Lopez & Kathy Vo)*  
*Western Section of the Wildlife Society Conference, Reno, NV (presented by Victoria Mann)*  
*Annual Meeting of the American Society of Mammalogists, Moscow, ID (presented by Kim Fisher)*
- 2016:** *Gordon Conference on Predator-Prey Interactions, Ventura, CA, USA*  
*CNSM Faculty Research Symposium, CSULB*  
*Undergraduate Research Symposium, Cal State Long Beach, CA, USA (presented by Earnest Chae)*  
*Graduate Research Symposium, Cal State Long Beach, CA, USA (presented by Kim Fisher)*  
*Annual Biomedical Research Conference for Minority Students, Tampa, FL (presented by Nicole Lopez)*

- 2015:** *Annual Meeting of the Animal Behavior Society, Anchorage, AK (presented by Doreen Cabrera)*  
*Undergraduate Research Symposium, Cal State Long Beach, CA, USA (presented by Ashly Romero)*
- 2014:** Gordon Conference on Predator-Prey Interactions, Ventura, CA, USA  
 Faculty Research Symposium, CNSM, Cal State Long Beach, CA, USA.  
*Undergraduate Research Symposium, Cal State Long Beach, CA, USA (x2; presented by Victoria Luce and Nicholas Fedorko)*
- 2009:** *Undergraduate Research Symposium, University of Massachusetts Amherst, MA, USA (1)*
- 2008:** International Society for Behavioral Ecology in Ithaca, NY, USA
- 2001:** International Society of Applied Ethology in Davis, CA, USA

### **Popular Press Coverage**

For an up-to-date list, visit: <http://www.csulb.edu/biological-sciences/mammal-lab/the-news>

### **Awards, Grants, & Funding**

**Research and Scholarly Activities Award:** CSU Long Beach, 3 RPU's, Spring 2020

**Project HOGAR Summer Faculty Grant:** CSU Long Beach, \$4000, 2019

**Research & Scholarly Activity Faculty Summer Salary:** \$4600, Skunk Fear Project, 2018

**Animal Behavior Society Outreach Grant:** \$500 for small outreach research project, 2018

**National Science Foundation Full Proposal Invitation:** Behavioral systems, 2017

**Research & Scholarly Activity Small Faculty Grant:** \$5000, Monitoring Coyote-Human Interactions, 2017

**Edison International Grant:** \$10000, Monitoring Coyote-Human Interactions, 2016

**National Science Foundation Full Proposal Invitation:** Behavioral systems, 2016

**National Science Foundation Grant:** \$1000, for travel to ISBE Meeting in England, 5/16

**ORSP Research Grant:** CSU Long Beach, \$10000, 2016

**Project HOGAR Summer Faculty Grant:** CSU Long Beach, \$4000, 2016

**National Science Foundation Travel Grant:** \$1000 for ISBE Meeting in Exeter, UK, Summer 2016

**Early Academic Career Excellence Award:** CSU Long Beach, 2016 University Level Awards

**Most Valuable Professor Award:** Alumni Awards, Spring 2016

**Proposal Improvement Grant:** CSU Long Beach, 3 RPU's, \$1000, Fall 2016

**Urban Wildlife Institute Grant:** Lincoln Park Zoo \$1000 in research equipment, Spring 2016

**Research and Scholarly Activities Award:** CSU Long Beach, 3 RPU's, Spring 2016

**Student Excellence Funds Award:** \$50000 for purchase of new Suburban for Biological Sciences, 2015

**Inspirational Faculty Award:** CSULB President's Scholars Program, Spring 2015

**Most Valuable Professor Award:** Alumni Awards, Spring 2015

**Student Excellence Funds Award:** \$8000 for purchase of mammal specimens for CSULB collections, 2014

**Best Overall Presentation:** AnthroTree (NSF & NESCent funded workshop), 2011

**Distinguished Teacher Award Nominee:** University of Massachusetts, Amherst, 2009-2010

**National Science Foundation Grant:** \$1000, for travel to Animal Behavior Society Meeting in Brazil, 3/09

**Darwin Research Grant:** \$5000, 8/06-8/08

**Darwin Postdoctoral Fellowship:** \$62500, Univ. of Massachusetts, Amherst: 8/06.

**Bodega Marine Reserve Research Grant:** \$1200, 7/05.

**Dissertation Year Fellowship:** \$30179, University of California, Davis: 7/05.

**Humanities Research Grant:** \$1500, University of California, Davis, 4/05.

**Block Grant:** \$15031, University of California, Davis, 1/05.

**Bodega Marine Reserve Research Grant:** \$600, 7/04.

**Humanities Research Grant:** \$1500, University of California, Davis, 4/04.

**Block Grant:** \$6661, University of California, Davis, 4/04.

**2-time Phi Beta Kappa Graduate Scholarship Finalist:** 4/04, 4/05.

**National Science Foundation Predoctoral Research Fellowship Honorable Mention:** 2003.

**Block Grant:** \$14862, University of California, Davis, 10/00.

**Center for Animal Behavior Unforseen Needs Grant:** \$330, University of California, Davis, 6/02.

**Undergraduate Research Grant:** \$750, Cornell University, 10/99.

*Phi Beta Kappa* National Honor Society - *Theta* of New York

*Phi Kappa Phi* National Honor Society

Cornell University Dean's List (all 8 undergraduate semesters)

## Teaching Experience

### CALIFORNIA STATE UNIVERSITY, LONG BEACH

#### **Biology 423 - Mammalogy**

Term: Fall 2013, 2014, 2015, 2016, 2017, 2018; Spring 2016, 2017, 2018

#### **Biology 312 - Evolutionary Biology**

Term: Fall 2014, 2017; Spring 2013, 2014, 2018

#### **Biology 454B/554B - Research in Tropical Terrestrial Ecology**

Term: Spring 2013, 2015

#### **Biology 452/552 - Behavioral Ecology**

Term: Fall 2015, 2016, 2018, 2019; Spring 2015,

#### **Biology 350 - General Ecology**

Term: Fall 2012, Spring 2014

#### **Biology 665 - Seminar in Ecology**

Term: Spring 2016, 2018

### HARVARD UNIVERSITY

#### **Human Evolutionary Biology 1310 - Hormones and Behavior**

Head Teaching Fellow

Term: Spring 2011, Spring 2012

#### **Life Sciences 2 - Evolutionary Human Physiology and Anatomy**

Head Teaching Fellow

Term: Fall 2010, Fall 2011

### UNIVERSITY OF MASSACHUSETTS - AMHERST

#### **Biology 548 - Mammalogy**

Instructor

Term: Spring 2009, Guest Lecturer Spring 2010

#### **Biology 287 - Introductory Ecology**

Instructor

Terms: Fall 2008, Fall 2009, Spring 2010

#### **Biology 312 - Writing in Biology**

Instructor

Terms: Fall 2008, Spring 2009, Fall 2009, Spring 2010

#### **Biology 280 - Evolution: Diversity of Life Through Time**

Co-instructor (with Prof. Margery Coombs)

Terms: Fall 2006, Fall 2007, Guest Lecturer Spring 2009

#### **Organismic & Evolutionary Biology 697B - Ecology and Evolutionary Biology**

Instructor/Course Leader

Terms: Fall 2006, Fall 2007

#### **Organismic & Evolutionary Biology 697Y - Graduate Student Seminar Series**

Instructor/Course Leader



Terms: Spring 2007, Spring 2008

**Biology 550 - Animal Behavior**

Guest Lecturer (2 lectures)

Term: Fall 2006

**Graduate Student Mentoring Presentations:**

“How to Succeed as a Graduate Student” (9/06, 9/07)

“How to Build a Professional Powerpoint Presentation” (9/06, 9/07)

“Navigating your Qualifying Exam: Tips, Advice, and the Jedi Mind Trick” (4/08)

**HAMPSHIRE COLLEGE**

**Cognitive Science 112 - Basic Animal Behavior Theory**

Instructor

Term: Fall 2009

**UNIVERSITY OF CALIFORNIA - DAVIS**

**Graduate Teaching Course: “Putting First Years on the Fast Track”**

Lecturer (1 lecture each term)

3 Terms: Spring 2004, Winter 2005, Winter 2006; Course Organizer & Leader: Dr. Gail Patricelli

**Biological Sciences 1B: Introduction to Zoology Laboratory**

Associate Instructor / Academic Coordinator

3 Terms: Summer 2003, Summer 2004; Summer 2006; Instructor: Dr. Pat Randolph

**Teaching Assistantships**

Biological Sciences 1B: Introduction to Zoology Laboratory (8 terms)

Evolution and Ecology 100: Evolution (1 term)

Psychology 101: Psychobiology (1 term)

Psychology 155: Environmental Awareness (1 term)

Psychology 100: Cognitive Psychology (1 term)

**Research Mentorship (number of units in parentheses)**

**CALIFORNIA STATE UNIVERSITY, LONG BEACH**

Completed M.S. Student Theses as Major Advisor: Holly Schiefelbein (Su 2016), Caitlin Fay (Sp 2017),

Kimberly Fisher (Fall 2017), Victoria Mann (Sp 2018), Rita Collins (Sp 2018), Hannah Walker (Fall 2018)

BIOL 698: Holly Schiefelbein (6), Caitlin Fay (6), Hannah Walker (6), Rita Collins (6), Kimberly Fisher (6),

Victoria Mann (6), Kathy Vo (3)

BIOL 697: Holly Schiefelbein (2), Caitlin Fay (2), Hannah Walker (5), Rita Collins (7), Kimberly Fisher (4),

Victoria Mann (2), Max Amaya (1), Caitlin Stapp (3)

BIOL 496: Doreen Cabrera (6), Lisa Campbell (2), Matt Kresky (2), Nicholas Fedorko (3), Julie McNamara (1),

Trevor Stameisen (1), Rabah Rabah (3), Victoria Luce (3), Elan Carnahan (3), Ashly Romero (3), Rosanna

Calderon (2), Jennifer Martin (3), Colin Stensrud (3), Earnest Chae (3), Renee Stewart (2), Elizabeth

Herrera (1), Chika Okeke (3), Michael Roberts (1), Eliza McLean (3), Nicole Lopez (3), Michelle Ho (1),

Hana Raees (1), Lizbeth Jardon (1), Jonathon Moore-Tupas (3)

BIOL 296: Earnest Chae (1), Hana Raees (1)

**Leadership & Service**

**Associate Chair**, Dept. of Biological Sciences, CSULB 2019-20

**Executive Council**, Dept. of Biological Sciences, CSULB, 2019-20

**Retention, Tenure, & Promotion Committee**, Dept. of Biological Sciences, CSULB, 2019-20

**Southern CA Academy of Sciences Board Member (Elected)**, 2018-2020

Executive Committee, Dept. of Biological Sciences, CSULB, Fall 2018  
 Terrestrial Vertebrate Zoologist Search Committee **Co-Chair**, Dept of Biological Sciences, CSULB, 2017-18  
 University Campus Academic Calendar Committee **Chair** (CACC), Academic Senate, CSULB, 2017, 2018  
 Ad Hoc Lecturer Evaluation Committee, Department of Biological Sciences, CSULB, 2017  
 Animal Behavior Society Annual Meeting Founder's Poster Judge, Toronto, CANADA, Summer 2017  
 Animal Behavior Society Annual Meeting Session Moderator, Toronto, CANADA, Summer 2017  
 Science Learning Center Task Force Member, CNSM, CSULB, 2016-present  
 Graduate Studies Committee, Department of Biological Sciences, CSULB, 2016-18  
 University Campus Academic Calendar Committee (CACC), University Academic Senate, CSULB, 2015-18  
 MARC Internal Advisory Committee, CSULB, 2017  
 College Grade Appeals Committee **Chair**, CSULB, College of Natural Sciences and Mathematics, 2015-16  
 Southern CA Academy of Science Annual Meeting - Jr. Academy Judge, Los Angeles, CA, Spring 2016  
 Animal Behavior Society Annual Meeting Session Moderator, Anchorage, AK, Summer 2015  
 Faculty Research Symposium Committee, CSULB, College of Natural Sciences and Mathematics, 2015  
 College Election Committee Member, CSULB, College of Natural Sciences and Mathematics, 2015-16  
 Curriculum and Advising Committee Secretary, CSULB, Department of Biological Sciences, Fall 2014  
 Curriculum and Advising Committee Member, CSULB, Department of Biological Sciences, Fall 2014  
 Department Grade Appeals Committee Member, CSULB, Department of Biological Sciences, 2014-16  
 Animal Behavior Society Annual Meeting Session Moderator, Anchorage, AK, Summer 2015  
 Meeting of the International Soc. for Behavioral Ecology Session Moderator, New York, NY, Summer 2014  
 Animal Behavior Society Annual Meeting Session Moderator, Princeton, NJ, Summer 2014  
 Animal Behavior Society Annual Meeting Allee Competition Judge, Boulder, CO, Summer 2013  
 Animal Behavior Society Annual Meeting Session Moderator, Boulder, CO, Summer 2013  
 Southern CA Academy of Science Annual Meeting - Jr. Academy Judge, Long Beach, CA, Spring 2013  
 Sigma Delta Epsilon Graduate Women in Science National Fellowships, Proposal Review, Spring 2013  
 National Park Service Deer Management Science Team: Fire Island National Seashore, NY  
 Board Member: International Network for the Study of Predator-Prey Interactions  
 Animal Behavior Society Annual Meeting Session Moderator, Williamsburg, VA, Summer 2010  
 Society for the Study of Evolution Annual Meeting Session Moderator, Portland, OR, Summer 2010  
 Animal Behavior Society Student Research Grant Competition, Proposal Review, Spring 2010, 2012  
 OEB Thursday Lunch Discussion Group, Leader, Univ. Massachusetts-Amherst, Spring 2008  
 Darwin Postdoctoral Fellowship Search Committee, Univ. Massachusetts-Amherst, 01/08-04/08  
 Invited Speaker for High School Science Classes, La Habra High School, La Habra, CA, 12/96-current  
 "Watch It Don't Squash It" Afterschool Youth Program, UCD/Sacramento, California, 9/05 - 6/06  
 Animal Behavior Graduate Group New Student Orientation Guide, Editor, UC Davis, California. 2001-05.  
 Adaptation and Evolution Reading Group, Organizer, UC Davis, California. 12/02 - 6/02.  
 Undergraduate Biology Advising Steering Committee, Div. of Biological Sciences, Cornell Univ.  
 Undergraduate Biology Student Advisor, Div. of Biological Sciences, Cornell Univ. 5/98 - 5/00

### **Symposia, Workshops, and Continuing Education**

2019: **Participant**: "Concrete Strategies for Inclusive Teaching" Webinar; Summer Institutes on Scientific Teaching

2018: **Participant**: "Practical Ways to Engage Students in their Own Learning" Workshop at CSULB

2016: **Lead organizer**: Variation in Aposematic Coloration Workshop; Antipredator Coloration Symposium of *Annual Meeting of the International Society for Behavioral Ecology* (8/08; Falmouth, UK)

2016: **Participant**: Writing Department of Defense Proposals Workshop; Grant Training Center

2015: **Participant**: CNSM Faculty Grant Workshop at CSULB

2014-15: **Participant** in the Science for the Masses media training workshop at CSULB

2013-14: **Participant** in the Faculty Learning Community at CSULB

2013-14: **Trained in Wild Carnivore** capture and handling techniques with Dr. Deana Clifford (CA-DFW)

2013: **Participant** in TWO workshops on Active Learning in the Active Learning classrooms at CSULB

2013: **Participant** in the Social Learning workshop at CSULB

2011: **Participant** in the AnthroTree Workshop (Comparative Phylogenetics using *R*) at UMass Amherst

2011: **Participant** in the Sexual Selection Symposium at Columbia University, New York, NY, USA

- 2010: Participant** in Museum Collections Preparation Course at UMass Amherst (Instructor: Dr. Alan Richmond); gained natural history museum **curatorial skills: preparing study skins, using *Dermestes* beetles, skeleton cleaning, cataloging**
- 2010: Participant** in workshop on strategies for teaching grammar in professional writing courses at UMass Amherst; sponsored by the UMass Center for Writing
- 2009: Participant** in Wildlife Techniques Workshop by the Student Section of the Wildlife Society; gained experience with **traditional navigation, radiotelemetry, live-trapping, net guns, and dart guns.**
- 2009: Participant** in workshop on Relaxed Selection at the National Evolutionary Synthesis Center
- 2008: Lead organizer** of post-conference symposium at the *Annual Meeting of the International Society for Behavioral Ecology (8/08; Ithaca, NY)* entitled: "Decision-making during predator-prey encounters - identifying transformative research in antipredator behavior"
- 2004: Group leader** of the Novel Predators/Prey working group at the *Human Induced Rapid Environmental Change Workshop* for the Center of Animal Behavior at the Univ. California Davis. (Organizer: A. Sih)
- 2002: Group leader** of the evolution working group at the *Behavioral Syndromes Workshop* for the Center of Animal Behavior at the Univ. California Davis. (Organizer: Andy Sih)

### Membership in Professional Societies

**Animal Behavior Society**  
**International Society of Behavioral Ecology**  
**Society for the Study of Evolution**  
**American Society of Mammalogists**  
**The Ecological Society of America**  
**Southern California Academy of Sciences**  
**Western Section of the Wildlife Society**

### Peer Review Contributions

*National Science Foundation, Research Council of Norway, Macquarie University, Trends in Ecology and Evolution, F1000Research, Biological Reviews, PLoS ONE, Proceedings of the Royal Society B, Philosophical Transactions of the Royal Society B, American Naturalist, Biology Letters, Behavioral Ecology, Behavioral Ecology & Sociobiology, Animal Behaviour, Behavioural Processes, Ethology, Behaviour, Animal Cognition, Canadian Journal of Zoology, Journal of Ethology, Ecological Applications, Biological Conservation, Journal of Applied Ecology, Journal of Evolutionary Biology, Ecology and Evolution, Animal Conservation, Journal of Morphology, Mammal Research, Journal of Animal Ecology, Ecological Research, Journal of Wildlife Management and Wildlife Monographs, Journal of Zoology, Caribbean Journal of Science, European Journal of Wildlife Research, Naturwissenschaften, Wildlife Research, Acta Theorologica, Acta Ethologica, Herpetologica, Rangifer, Ursus, American Midland Naturalist, Journal of Arid Environments, Northeastern Naturalist, Bird Behavior, Ecography, Folia Zoologica, South African Journal of Wildlife Research, African Journal of Ecology, Arctic Antarctic & Alpine Research*