

# Jennifer E. Smith, Ph.D.

Department of Biology  
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## Education

- 2004-2010 Joint **Ph.D.** in Zoology & in Ecology, Evolutionary Biology and Behavior (EEBB). Michigan State University (Advisor: Kay E. Holekamp, University Distinguished Professor in Integrative Biology)  
*Dissertation: Evolutionary and ecological forces shaping patterns of cooperation among spotted hyenas*
- 2001-2003 **M.S.** in Integrative Biology. University of Illinois at Urbana-Champaign (Advisor: George O. Batzli)  
*Thesis: Dispersal and mortality of the prairie vole in fragmented landscapes: a field experiment*
- 2001-2003 **B.A.** in Biology, Concentration in Environmental Science. Colby College, Maine (Advisor: F. Russell Cole)  
*Honors: Distinction in Major, Magna Cum Laude, Lederman Scholar, Phi Beta Kappa, Dean's list all semesters.*
- 1996-1997 **Study Abroad:** James Cook University, Townsville, AUSTRALIA and School for Field Studies, KENYA  
*Topics: Wildlife management and conservation, coral reef and rainforest ecology, Ethology of marine organisms*

## Appointments

- 2019-present Department Head and Chair of Biology, Mills College
- 2019-present Director, Jill Barrett Undergraduate Research Program in Biology, Mills College
- 2017-present Associate Professor, Biology Department, Mills College
- 2017-2020 Letts-Villard Endowed Chair in the Natural Sciences, Mills College
- 2017-2018 Quigley Endowed Professorship in Women's, Gender and Sexuality Studies, Mills College
- 2012-2017 Assistant Professor, Biology Department, Mills College
- 2011-2012 American Association of University Women Postdoctoral Fellow, UCLA
- 2010-2012 Institute for Society and Genetics Fellow, Department of Ecology and Evolutionary Biology, UCLA
- 1999-2000 Teaching Faculty, Science Department and Trevor Zoo, Millbrook School, New York

## Awards for Best Research Papers and Outstanding Research Contributions

- 2011 Postdoctoral Research Award for Best Paper, Human Behavior & Evolution Society (\$500)  
*\*Winner of the annual award for an outstanding contribution to field within  $\leq 5$  years of Ph.D.*
- 2009 Anna M. Jackson Speaker Award, American Society of Mammologists (\$1,500)  
*\*Winner of the annual award for an outstanding contribution to field by Ph.D. candidate*
- 2009 Student Speaker Award in Ecology, Evolutionary Biology & Behavior, Michigan State University (\$500)  
*\*Winner of the annual award for outstanding dissertation in ecology, evolution and behavior.*
- 2008 John R. Shaver Award, Department of Zoology, Michigan State University (\$1,500)  
*\*One annual award for accomplishments graduate research project in zoology.*
- 2007-2008 P.E.O. Scholar Award, International Chapter of the P.E.O. Sisterhood (\$10,000)  
*\*International, merit-based award recognizing a significant doctoral contribution to research area.*

## Academic Honors, Major Fellowships, and Career Awards

- 2019-2000 Faculty Leadership Fellows Program, Provost Office, Mills College
- 2019 INSIGHT into Diversity Inspiring Program in STEM Award  
*\*Recognition for leadership in promoting equity, diversity, and inclusion through mentored research for undergraduates from underrepresented groups and underserved populations.*
- 2017-2020 Letts-Villard Endowed Chair in the Natural Sciences, Mills College (\$5,000)

2017-2018	Quigley Endowed Fellowship in Women's, Gender and Sexuality Studies, Mills College on "Female leadership in mammalian societies" (\$14,500)
2017	Penny Bernstein Distinguished Teaching Award, Animal Behavior Society <i>*One annual international career award to an individual for sustained excellence in teaching.</i>
2017	Excellence in Teaching Award, Northern California Association of <i>Phi Beta Kappa</i> (\$1,000) <i>*Three annual awards to faculty for excellence in teaching in the liberal arts.</i>
2011-2012	American Association of University Women Postdoctoral Fellowship (\$30,000)
2011	Award for Innovative Courses in Diversity & Undergraduate Education, UCLA (\$10,000) <i>*Four annual awards from Provost and Office for Diversity &amp; Faculty Development</i>
2010-2012	Institute for Society and Genetics Postdoctoral Fellowship, UCLA (salary + benefits for 2 yrs) <i>*1-2 fellows honored annually for outstanding scholarly work from a cross-disciplinary perspective</i>
2004-2010	University Distinguished Fellowship, Michigan State University (salary + tuition, 2 yrs)
2010	All University Excellence-In-Teaching Citation, Office of the Provost, MSU (\$1,000) <i>*Six awarded annually to individuals among a student body of 47,100.</i>
2010	Excellence-in-Teaching Award, College of Natural Science, MSU (\$1,000) <i>*Six awarded annually to individuals from a student body of 47,100</i>
2009-2010	Barnett Rosenberg Scholar in Biological Sciences, Michigan State University (salary + tuition, 1yr)
2009	Recognition for Commitment to Student Learning, Undergraduate Student Affairs, MSU <i>*Student-driven award for commitment to inclusive excellence by educators</i>
2009	<i>Sigma Xi</i> , Chapter of Michigan State University

## Research Grants

2019-2023	Jill Barrett Undergraduate Research Program in Biology, Barrett Foundation (PI, <b>\$360,000</b> )
2020	Save Mount Diablo Grant, Mary Bowerman Science and Research Program (PI, \$4,000)
2020	Faculty Research Grant, Mills College (PI, \$1,000)
2019	Wiko – <i>Wissenschaftskolleg zu Berlin</i> Workshop "Female leadership in Mammalian and Human Societies" (Co-PIs = Peter Kappeler, University of Göttingen and Jenn Smith, <b>\$12,000</b> ) <i>*Spearheaded group of scholars addressing female leadership from a transdisciplinary perspective</i>
2019	Save Mount Diablo Grant, Mary Bowerman Science and Research Program (PI, \$5,000)
2019	Faculty Research Grant + Mills Faculty Travel Grant, Mills College (PI, \$6,000)
2018	Save Mount Diablo Grant, Mary Bowerman Science and Research Program (PI, \$5,000)
2018	MACK Innovation Grant + Mills Faculty Travel Grant, Mills College (PI, \$5,500)
2017-2018	Research Opportunity Award, National Science Foundation Supplement to Division of Environmental Biology Award #1456730, "Linking ecological variation to parasite transmission via host movement, behavior and social networks" ( <b>\$43,990</b> )
2017-2018	Mills Next Challenge Award, "Establishing Mills as a beacon for women in STEM" (PI, <b>\$9,000</b> )
2017-2019	Fish and Wildlife Propagation Fund, Contra Costa County Department of Conservation and Development, "What stresses out wild mammals?" (PI, <b>\$9,431</b> )
2017	Sandra Greer Faculty Research Grant + Mills Faculty Travel Grant, Mills College (PI, \$5,500)
2016	National Science Foundation Travel Grant, International Society for Behavioral Ecology (\$1,000)
2016	Trendsetters and Cultural Change, National Science Foundation (\$5,000 Seed Grant) from "Inter-disciplinary Workshop on Cooperation & Conflict" (PIs = C. Eckel, S. Brosnan & R. Nesse).
2016	Faculty Development Research Grant + Travel Grant, Mills College (PI, \$5,500)
2015-2016	W.M. Keck Foundation Grant, Undergraduate Education Program, "Tools to enhance student learning and research experiences in the environmental sciences" (Co-PIs = E. Wade, J. Brabson, K. Faul, J. Smith and S. Swope, <b>\$325,000</b> )

2015 Sandra Greer Faculty Research Grant + Mills Faculty Travel Grant, Mills College (PI, \$5,500)

2014-2016 Fish and Wildlife Propagation Fund, Contra Costa County Department of Conservation and Development, "Disease transmission across social networks of free-living mammals" (PI, **\$18,136**)

2014 Faculty Development Research Grant + Faculty Travel Grant, Mills College (PI, \$5,742)

2013 Faculty Development Research Grant + Faculty Travel Grant, Mills College (PI, \$5,500)

2011 National Science Foundation (NSF) Rice ADVANCE Workshop Grant, \$400

2011 Franklin Research Grant, American Philosophical Society (PI, \$6,000)

2011 National Academy of Sciences Travel Grant, \$200

2010 National Science Foundation Travel Grant, International Society for Behavioral Ecology (\$2,200)

2009 Merit Fellowship, Office of the Graduate School, MSU (\$2,000)

2009 Dissertation Completion Fellowship, College of Natural Science, MSU (\$6,000)

2008 Fellowship for Interdisciplinary Research in Quantitative Biology, MSU (\$6,000)

2008 Travel Fellowship, Ecology, Evolutionary Biology and Behavior Program, MSU (\$300)

2008 Summer Research Fellowship, College of Natural Science, MSU (\$6,000)

2008 Dissertation Completion Fellowship, College of Natural Science, MSU (\$6,000)

2008 Fellowship for Interdisciplinary Research in Quantitative Biology, MSU (\$5,500)

2008 Travel Fellowship, Ecology, Evolutionary Biology and Behavior Program, MSU (\$300)

2007 Travel Fellowship, International Studies and Programs (\$400)

2007 Wilderness Medicine Grant, National Outdoor Leadership Institute (\$300)

2007 Research Enhancement Award, Office of the Graduate School, MSU (\$1,150)

2007 Research & Travel Fellowships, EEBB Program, MSU (\$1,150)

2007 College of Natural Science Graduate Research Fellowship, MSU (\$6,000)

2006 Research & Travel Fellowships, EEBB Program, MSU, \$1,150

2006 Graduate Office Summer Fellowship, MSU, \$3,500

2005 Research & Travel Fellowships, EEBB Program, MSU, \$3,300

2004 College of Natural Science Graduate Research Fellowship, MSU (\$6,000)

2002 *Sigma Xi* Grant-in-Aid of Research, \$300

1999 Gilbert Scholarship, Marine Mammal Center, Mote Marine Lab, Florida, \$2,000

1994 12 extramural scholarships to attend Colby College, Maine, ~\$100,000

**Research interests:** What promotes the emergence of cooperation and collective behavior in mammalian societies and to what extent do individuals make consistent social decisions across contexts? To uncover answers to rules governing social decision-making, my lab integrates perspectives from evolutionary biology, ecology, animal behavior, physiology and conservation biology. We primarily test modern theories of social evolution using long-term data on free-living mammals to understand to uncover the causes and consequences of individual variation in a changing world. We combine ecological monitoring in the field, tools from molecular genetics and endocrinology in the lab, and modern computational and comparative approaches in an effort to explain behavioral evolution, collective behavior, and societal structures. We focus primarily on rich data sets for which extensive behavioral, demographic, genetic, and endocrine measures are available for recognizable individuals across multiple generations. We also implement novel technological tools and quantitative advances in social network theory and the comparative method to understand the long-standing biological puzzle of cooperation.

**Google Scholar Profile:** <https://scholar.google.com/citations?user=TGV5Q5EAAA&hl=en>

**PDFs of publications links:** [www.JenniferElaineSmith.com/articles.html](http://www.JenniferElaineSmith.com/articles.html)

**Media coverage link:** [www.jenniferelainesmith.com/press.html](http://www.jenniferelainesmith.com/press.html); **h-index** (according to Google Scholar): **16**

## Peer-reviewed publications

\*Indicates undergraduate coauthor, \*\*Indicates graduate coauthor (Mills Biology is undergraduate only)

36. **Smith, J.E.**, von Rueden, C., van Vugt, M., Fichtel, C. and P. Kappeler. *In review*. Obstacles and opportunities for female leadership: Insights from a comparative perspective. Evolutionary Anthropology.
35. **Smith, J.E.**, \*Smith, I.B., \*Working, C.L., \*Russell, I.D., \*Krout, S.A., \*Singh, K.S. and A. Sih. *In press*. Host traits, identity, and ecological conditions predict consistent flea abundance and prevalence on free-living California ground squirrels. International Journal for Parasitology.
34. **Smith, J.E.**, and N. Pinter-Wollman. 2020. Observing the unwatchable: Integrating automated-sensing, naturalistic observations and animal social network analysis in the age of big data. Journal of Animal Ecology. (Joint Special Feature with Methods in Ecology and Evolution on "Animal Social Networks"). X:1-14.  
<https://doi.org/10.1111/1365-2656.13362>
33. Ross, C., Adrian, J., Borgerhoff, M., **Smith, J.E.**, Smith, E., Gavrillets, S. and P. Hooper. 2020. The Multinomial Index: A robust measure of reproductive skew. Proceedings of Royal Society B 287: 20202025
- Media coverage:**
- o Phys.org, "Researchers propose an index for measuring 'reproductive skew' across animal species"
  - o Santa Fe Institute, "New paper gives 'Gini index for evolutionary biology'"
32. Holding, M.L., \*\*Putman, B.J., \*Kong, L.M., **Smith, J.E.**, and R.W. Clark. 2020. Physiological stress integrates resistance to rattlesnake venom and the onset of risky foraging in California ground squirrels. Toxins 12:617 (Special Issue "The Behavioral Ecology of Venom").
31. Hammond, T.T., \*\*Ortiz-Jimenez, C.A. and **J.E. Smith**. 2020. Anthropogenic change alters ecological relationships via interactive changes in stress physiology and behavior within and among organisms. Integrative and Comparative Biology 60(1):57-69 (Section on, "Important conceptual and practical challenges in stress research")
30. Smith, J.E., and M. van Vugt. 2020. Leadership and status in mammalian societies: Context matters. Trends in Cognitive Sciences 24(4):263-264.
29. **Smith, J.E.**, \*Ortiz, C.A., \*Buhbe, M.T. and M. van Vugt. 2020. Obstacles and opportunities for female leadership in mammalian societies: A comparative perspective. The Leadership Quarterly 31(2):101267 (Special Issue on, "Evolution and Biology of Leadership: A New Synthesis")
- Media coverage:**
- o The Guardian, "Animal democracy: How different species choose – or depose – a leader" by Paola Rosa-Aquino
  - o National Geographic, "How animals choose their leaders, from brute force to democracy" by Brian Handwerk
  - o Discover Magazine, "From Animals to Human Society: What We Learn When Women Lead" by Bridget Alex
  - o Psychology Today, "Lessons from Animals About Barriers to Female Leadership" by Marc Bekoff
  - o BBC News, "Could the animal kingdom hold the secret to smashing the glass ceiling?: What animals tell us about female leadership" by Lesley Evans Ogden
  - o New Scientist, "The 7 non-human mammals where females rule the roost" by Chelsea Whyte
28. \*\*Hammond, T.T., \*Vo, M., \*Barton, C.T., \*Surber, L.L., Lacey, E.A. and **J.E. Smith**. 2019. Physiological and behavioral responses to anthropogenic stressors in a human-tolerant mammal. Journal of Mammalogy 1-13.
27. Kappeler, P.M., Fichtel, C., van Vugt, M. and **J.E. Smith**. 2019. Female leadership: A transdisciplinary perspective. Evolutionary Anthropology 28(4):160-163.
26. \*Ortiz, C.A., \*Pendleton, E.L., Newcomb, K.L. and **J.E. Smith**. 2019. Conspecific presence and microhabitat features influence foraging decisions across ontogeny in a facultatively social mammal. Behavioral Ecology and Sociobiology 73(42). (Featured Student Research Paper)
25. van Vugt, M. and **J.E. Smith**. 2019. A dual model of leadership and hierarchy: Evolutionary synthesis. Trends in Cognitive Sciences (23)11:952-967.

### Media coverage:

- o New Scientist, "Dominate or Influence" by Emma Young (July 2020, pages 30-34)

24. \*\*Montgomery, T.M., \*Pendleton, E.L. and **J.E. Smith**. 2018. Physiological mechanisms mediating patterns of reproductive suppression and alloparental care in cooperatively breeding carnivores. Physiology & Behavior. 193(1):167-178. (Special Issue: Evolutionary perspectives on non-maternal care in mammals: physiology, behavior, and developmental effects).
23. **Smith, J.E.**, \*Gamboa, D.A., \*Spencer, J.M., \*Travenick, S.J., \*Ortiz, C.A., \*Hunter, R.D. and A. Sih. 2018. Split between two worlds: automated sensing reveals links between above- and belowground social networks in a free-living mammal. Philosophical Transactions of Royal Society B 373: 20170249. (Theme Issue: Uncovering the impacts of architecture on collective behaviour).
- Media coverage:** [iNaturalist](#), [Weny News](#), [Crossroads Today ABC news](#), [NewsOn6](#), [NCB29](#), and [Fox 40](#)
22. **Smith, J.E.**, \*\*Petelle, M.B., \*Jerome, E.L., \*\*Cristofari, H. and D.T. Blumstein. 2017. Oxytocin experiments shed light on mechanisms shaping prosocial and antisocial behaviors in non-human mammals: a review and field study. Integrative and Comparative Biology 57(3):619-630. (Symposium Issue: The development and mechanisms underlying inter-individual variation in prosocial behavior).
21. **Smith, J.E.**, \*\*Lehmann, K.D.S., \*\*Montgomery, T.M., \*\*Strauss, E.D. & K.E. Holekamp. 2017. Insights from long-term field studies of mammalian carnivores. Journal of Mammalogy 98(3):631-141 (Special Feature: Long-term studies in mammals).
20. **Smith, J.E.**, Lacey, E.A., and L.D. Hayes. 2017. Sociality in non-primate mammals. Comparative Social Evolution (Rubenstein D.R. and P. Abbot, Eds.). Cambridge University Press, Cambridge. Pp. 284-319. ISBN: 9781107647923.
19. **Smith, J.E.**, Gavrillets, S., Borgerhoff Mulder, M., Hooper, P., El Mouden, C., Nettle, D., Hauert, C., Hill, K., Perry, S., Pusey, A.E., van Vugt, M., and E.A. Smith. 2016. Leadership in Mammalian Societies: Emergence, Distribution, Power, and Payoff. Trends in Ecology and Evolution 31:54-56.
- Cover article (Top 5% of all research outputs scored by Altmetric)**
- Media coverage:**
- o [Discovery News](#), "Word's best leaders aren't human" by Jennifer Viegas
  - o [The Examiner](#), "Experts prove animals are better leaders than humans" by Paul Hamaker, AND [The Examiner](#), "Humans can become better leaders by observing other animals" by Tameca L. Coleman
  - o [Forbes](#), "What elephants can teach the presidential candidates about leadership" by Arlene Weintraub AND [Forbes](#), "Why Donald Trump couldn't lead a pack of hyenas" by JV Chamary
  - o [IFL Science](#), "How do human leaders compare to animal ones?" by Janet Fang
  - o [Market Business News](#), "Qualities of leadership – learned from studying mammalian societies" by Veronica Cruz
  - o [Nature World News](#), "Humans and animals lead social groups in similar ways, researchers say" by S. Mathewson
  - o [Neuroscience News](#), "The nature of leadership"
  - o [Tech Times](#), "What makes an effective leader? Leadership in animal kingdom gives clue" by R. Doctor
  - o [Science Daily](#), "What makes a leader? Clues from the animal kingdom" by Cell Press Team
  - o [Voice of America](#), "Animals offer leadership lessons to humans" by Faiza Elmasry
  - o [Western Daily Press](#), "Your boss is not as powerful as you might think – wild animals are true leaders" by Tina Rowe
18. Blumstein, D.T., \*Keeley, K. and **J.E. Smith**. 2016. Fitness and hormonal correlates of social and ecological stressors of female yellow-bellied marmots. Animal Behaviour 112, 1-11.
17. **Smith, J.E.**, Long, D.J., \*Russell, I.D., \*Newcomb, K.L. and V. D. \*Muñoz. 2016. *Otospermophilus beecheyi* (Rodentia: Sciuridae). Mammalian Species 48(939):91-108.
16. **Smith, J.E.**, \*Estrada, J.R., \*Richards, H.R., \*Estrada, J.R., \*Dawes, S.E., \*Mitsos, K., & K.E. Holekamp. 2015. Collective movements, leadership, and consensus costs at reunions. Animal Behaviour 105:187-200.
15. **Smith, J.E.** 2014. Hamilton's legacy: Kinship, cooperation and social tolerance in mammalian groups. Animal Behaviour 92:291-304. (Special Issue: Kin Selection).

14. Pinter-Wollman, N., \*\*Hobson, E., **Smith, J.E.**, Edelman, A., \*\*Shizuka, D., \*\*Waters, J., de Silva, S., Prager, S., Sasaki, T., Wittemyer, G., Fewell, J. & D.B. McDonald. 2014. Response to comments on the dynamics of network dynamics. Behavioral Ecology 25(2):260-261.

13. Pinter-Wollman, N., Hobson, E., **Smith, J.E.**, Edelman, A., Shizuka, D., Waters, J., de Silva, S., Prager, S., Sasaki, T., Wittemyer, G., Fewell, J. and D.B. McDonald. 2014. The dynamics of animal social networks: analytical, conceptual, and theoretical advances. Behavioral Ecology 25(2):242-255.

**Commentaries on Pinter-Wollman et al. 2014:**

- o "Everybody has a social life. Can social network analysis help us understand why not just how?"
- o "The behavioral ecologist's essential social networks cookbook."
- o "Dynamic feedbacks on dynamic networks: on the importance of considering real-time rewiring."

12. **Smith, J.E.**, \*Chung, L.K. & D.T. Blumstein. 2013. Ontogeny and symmetry of social partner choice among free-living yellow-bellied marmots. Animal Behaviour 85(4):715-725.

11. Blumstein, D.T., \*Chung, L.K. & **J.E. Smith**. 2013. Early play may predict later dominance relationships in yellow-bellied marmots (*Marmota flaviventris*). Proceedings of the Royal Society B 280(1759):20130485.

10. **Smith, J.E.**, \*\*Swanson, E.M., \*Reed, D. & K.E. Holekamp. 2012. Evolution of cooperation among mammalian carnivores and its relevance to Hominin evolution. Current Anthropology 53(S6): S436-S452.

(Special Issue: Human Biology and the Origins of Homo)

**Best Paper Award:**

- o Postdoctoral Award for Best Paper, Human Behavior & Evolution Society

**Media coverage:**

- o Earth Magazine: "The new anthropology: from bones and stones to biology and behavior" by Mary Caperton Morton (Comparing apples to oranges, hyenas to humans)
- o National Public Radio: "Convergent Evolution: Hyenas Offer Clues To The Human Past" by Barbara King
- o American Society of Mammalogists Newsletter: "Hyenas, the new primates" by Ed Heske

9. **Smith, J.E.**, Monclús, R., \*Wantuck, D., Florant, G.L. and D.T. Blumstein. 2012. Fecal glucocorticoid metabolites in wild yellow-bellied marmots: experimental validation, individual differences and ecological correlates. General and Comparative Endocrinology 178: 417-426.

8. Holekamp, K.E., **Smith, J.E.**, Strelhoff, C.C., Van Horn, R.C., & H.E. Watts. 2012. Society, demography and genetics in the spotted hyena. Molecular Ecology 21:613-632. (Special Issue: Demographic & Genetic Issues)

7. **Smith, J.E.**, \*Powning, K.S., \*Dawes, S.E., \*Estrada, J.R., \*Hopper, A.L., \*Piotrowski, S.L., & K.E. Holekamp. 2011. Greetings promote cooperation and reinforce social bonds among spotted hyenas. Animal Behaviour 81:401-415. **(Top 25 Hottest Articles of 2011 within journal of the Animal Behaviour)**

**Media coverage:**

- o BBC News: "Powerful female hyenas say 'hello' with their genitals" by Melissa Hogenboom
- o BBC Earth News, Sci. & Environ.: "Hyenas 'greet friends' to ask for help" by Vic Gill

6. **Smith, J.E.**, Van Horn, R.C., \*Powning, K.S., \*Cole, A.R., \*Graham, K.E., \*Memenis, S.K., & K.E. Holekamp. 2010. Evolutionary forces favoring intragroup coalitions in spotted hyenas and other animals. Behavioral Ecology 21:284-303.

**Best Paper Award:**

- o Anna M. Jackson Best Paper Award by a Ph.D. Candidate, American Society of Mammologists

**Media coverage:**

- o BBC Earth News, Sci. & Environ.: "Family matters to hyenas" by Vic Gill

5. **Smith, J.E.**, \*\*Kolowski, J.M., \*Graham, K.E., \*Dawes, S.E., & K.E. Holekamp. 2008. Social and ecological determinants of fission-fusion dynamics in the spotted hyena (*Crocuta crocuta*). Animal Behaviour 76:619-636.

- o **Media coverage:** MSU State News, MSU Today, MSU News Bulletin, Chinaview.net, & LiveScience.com

4. **Smith, J.E.**, \*Memenis, S.K. & K.E. Holekamp. 2007. Rank-related partner choice in the fission-fusion society of spotted hyenas (*Crocuta crocuta*). *Behavioral Ecology and Sociobiology* 61:753-765.
3. **Smith, J.E.**, C.W. Whelan, S.J. Taylor, M.L. Denight, & M.M. Stake. 2007. Novel predator-prey interactions: Is resistance futile? *Evolutionary Ecology Research* 9:433-446.
2. **Smith, J.E.** & G.O. Batzli. 2006. Dispersal and mortality of the prairie vole, *Microtus ochrogaster*, in fragmented landscapes: a field experiment. *Oikos* 112:209-217.
1. **Smith, J.E.**, S.J. Taylor, C.W. Whelan, M.L. Denight, & M.M. Stake. 2004. Behavioral interactions between fire ants and vertebrate nest predators at two black-capped vireo nests. *Wilson Bulletin* 116:163-166.

### **Other Contributions**

6. **Smith, J.E.** and K.E. Holekamp. 2019. Landmark Studies: Spotted Hyenas. In, "2nd Edition of Encyclopedia of Animal Behavior". Breed, M. & J. Moore (Eds.) Elsevier Publishers, UK, Pp. 190-208.
5. **Smith, J.E.** 2017. Book Review-Carnivore Minds: Who These Fearsome Animals Really Are. The Quarterly Review of Biology 92(3):312-313.
4. **Smith, J.E.** 2017. Non-human Leadership. Encyclopedia of Evolutionary Psychological Science. Pp. 1-4.
3. **Smith, J.E.** 2016. Cooperation in Social Carnivores. Encyclopedia of Evolutionary Psychological Science. Pp. 1-5.
2. **Smith, J.E.** 2015. Book Review-Animal Social Networks. The Quarterly Review of Biology. 90(4):437.
1. **Smith, J.E.** & K.E. Holekamp. 2010. Landmark Studies: Spotted Hyenas. In, "1st Edition of Encyclopedia of Animal Behavior". Breed, M. & J. Moore (Eds.) Elsevier Publishers, UK, Pp. 335-349.

### **Invited seminars, working groups, symposia**

- 2021** - Invited Symposium (organizer), Weaving the Future of Animal Behavior (WFAB):  
Technological Advances to Reveal the Secret Lives of Animals, Animal Behavior Society (online)
- Invited Symposium (speaker), Resource limitation: A tie that binds in the evolution of sociality?  
Animal Behavior Society (online)
- 2020** - Biology Colloquium, Fresno State University, Fresno, CA  
- Mary Bowerman Science & Research Colloquium, Berkeley, CA (2 talks by Doctoral students)  
- Biology Seminar Series, Sonoma State University, Sonoma, CA
- 2019** - Animal Behavior Group, Otterbein University, Westerville, Ohio  
- Mary Bowerman Science & Research Colloquium, Berkeley, CA  
- Weaving the Future of Animal Behavior, University of Illinois at Chicago  
- Weaving the Future of Animal Behavior, Arizona State University  
- Eco Fest, Lindsay Wildlife Experience, Walnut Creek, California  
- Department of Biology, University of Konstanz, Germany  
- Collective Behaviour Dept., Max Planck Institute for Ornithology, Konstanz, Germany  
- Workshop Convener & Featured Speaker on, "Female leadership in human and non-human mammalian societies: integrating biological and social science perspectives,"  
Wissenschaftskolleg (Wiko Institute for Advanced Study) Berlin, Germany  
- Dept. of Environ. Science, Policy & Management, University of California Berkeley, CA  
- Museum of Vertebrate Zoology Lunch Seminar, University of California Berkeley, CA  
- Program in Ecology, Duke University, Durham, NC

- 2018** - Mary Bowerman Science & Research Colloquium, Berkeley, CA  
 - Animal Behavior Group Seminar, University of California Davis, CA
- 2017** - Department of Ecology and Evolutionary Biology, Seminar Speaker, UCLA  
 - Department of Ecology, Evolution, and Conservation Biology Colloquium Speaker, San Francisco State University, San Francisco, CA  
 - Symposium Speaker on, "The development and mechanisms underlying inter-individual variation in pro-social behavior," Society for Comparative and Integrative Biology, New Orleans, LA (<http://sicb.org/meetings/2017/symposia/social.php>)  
 - Biological Sciences Seminar Series Speaker, California State University, Long Beach, CA  
 - Orange County Mills College Alumnae Association, Speaker, Newport Beach, CA
- 2016** - Symposium Speaker for symposium, "Leadership in Mammalian Societies," Human Behavior and Evolution Society, Vancouver, Canada  
 - Leonardo Art Science Evening Rendezvous (LASERs), Stanford University, CA  
 - Keynote Graduation Address, Institute for Society and Genetics, College of Letters and Science, University of California Los Angeles, CA  
 - Women in Science Seminar Series, Integrative Biology, UC-Berkeley, CA  
 - Leonardo Art Science Evening Rendezvous (LASERs), University of San Francisco, CA
- 2015** - Workshop on Cooperation and Conflict, Texas A & M University, College Station, TX  
 - Leonardo Art Science Evening Rendezvous (LASERs), UC-Berkeley, CA  
 - Neuroscience Program Seminar, University of San Francisco, CA  
 - Biology Department Seminar, California State University Stanislaus, CA  
 - Evolution and Human Behavior Seminar, Arizona State University, AZ
- 2014** - Ecology, Evolution & Marine Biology Seminar, University of California Santa Barbara, CA  
 - Fletcher Jones Chair in Biology Seminar, St. Mary's College, Moraga, CA  
 - Animal Behavior Group Seminar, University of California Davis, CA  
 - Animal Social Networks, NIMBioS Workshop (poster), Univ. of Tennessee, Knoxville, TN
- 2013** - Department of Biology, University of San Francisco, CA  
 - Points of Pride Presentation on, "The Ecology of Fear", Mills College, Oakland, CA  
 - "Leadership and reproductive skew in mammals", University of Tennessee, Knoxville, TN  
 - President's symposium on, "Social evolution: William D. Hamilton's 50-year legacy", 50<sup>th</sup> Anniversary Animal Behavior Society Meeting, University of Colorado Boulder  
 - Human Behavior & Evolution Society, Loews Hotel, Miami Beach, Florida  
 \*Postdoctoral Research Award Winner, *Plenary Presentation*  
 - "Emergence of hierarchy & leadership in female-dominated mammalian societies", University of Tennessee, Knoxville, TN  
 - Women in Science Presentation with the President of Mills College, Chicago, Illinois  
 - Working Group, "The Emergence of Hierarchy & Leadership in Mammalian Societies", Proposal funded by National Institute for Mathematical and Biological Synthesis (NIMBioS), University of Tennessee, Knoxville, TN (April 2013 to April 2015)  
 - Joseph & Vera Long Foundation Reception & Board of Trustees Meeting, "Opportunities for training & advancing women in the sciences." Mills College, Oakland, CA



- American Association of University Women (AAUW) Clayton & Concord's Branches  
Annual Educational Fellowship (EF) Luncheon, CA
- 2012**
  - American Association of University Women (AAUW) Fellows Luncheon, Napa Valley, CA
  - Symposium on Animal Social Networks, University of Wyoming Laramie, WY
  - Department of Biology, San Diego State University, CA
  - NIMBioS-NESCent Investigative Workshop on Modeling Social Complexity,  
The University of Tennessee, Knoxville (selected participant), TN
  - Department of Biology, Mills College, Oakland, CA
- 2011**
  - Department of Biology, University of Missouri - St. Louis
  - Student-Invited Speaker, Biology Department Seminar Series and NSF-URM Southern  
California Ecosystems Research Program, California State University Fullerton, CA
  - International Workshop on "Human Biology & the Origins of Homo",  
Wenner-Gren Foundation for Anthropological Research, Sintra, Portugal
  - American Association of University Women (AAUW) Fellows Luncheon, Costa Mesa, CA
  - Center for Society and Genetics 9<sup>th</sup> Annual Symposium: Made for each other?:  
Dog and Human Co-Evolution, UCLA
  - Paimpont Biological Station, University of Rennes, France (Presenter: Kay Holekamp)
  - Department of Zoology Seminar Series, Miami University, Oxford, Ohio
- 2010**
  - Behavior, Evolution & Culture Seminar Series, University of California Los Angeles
  - International Symposium on "Social Systems: Demographic and Genetic Issues"
- 2009**
  - American Society of Mammalogists, University of Alaska Fairbanks  
*\*Anna M. Jackson Award, Plenary Presentation*
  - Ecology, Evolutionary Biology, and Behavior Seminar, Michigan State University  
*\*EEBB Student Speaker Award*
  - P.E.O. Founder's Day Celebration, Grand Rapids, Michigan  
*\*Keynote Speaker, Plenary Presentation*
- 2008**
  - Biology Seminar Series, Grand Valley State University, Grand Rapids, Michigan
- 2007**
  - Behavioral Biology Group, Michigan State University
  - Chapter BK Meeting, International P.E.O. Sisterhood, Grand Rapids, Michigan
- 2006**
  - Animal Behavior Group Seminar Series, University of California Davis

### **Contributed talks**

- 2021**
  - 68th Annual Meeting of the Western Section of The Wildlife Society (online).
    - o **J.E. Smith**, I.B. Smith, C.L. Working, I.D. Russell, S.A. Krout, K.S. Singh, & A. Sih 2021 Host traits, identity, and ecological conditions predict consistent flea abundance and prevalence on free-living California ground squirrels.
    - o C.A. Ortiz-Jimenez (Ph.D. Candidate), S. Conroy (undergraduate presenter), G.E.C. Gall, A. Sih & **J.E. Smith**. 2021. Human presence alters perceived risk in the California ground squirrel.
    - o S. Mochizuki (undergraduate presenter) & **J.E. Smith**. 2021. Natural predators and domestic dogs, but not human foot traffic, elicit alarm calling by California ground squirrels.

- 2020** - 57<sup>th</sup> Annual meeting of the Animal Behavior Society (online).
- G.E.C. Gall (presenter, post-doc), J.C. Evans, M.J. Silk, C. Ortiz-Jimenez & **J.E. Smith**. 2020. Dynamic variation in social network cohesion in response to anthropogenic and natural disturbances.
  - A.M. Robin (presenter, Ph.D. Candidate) & **J.E. Smith**. 2020. Uncovering the hidden behavioral signatures of life belowground: A field test of the extended phenotype hypothesis for an ecosystem engineer.
  - C.A. Ortiz-Jimenez (presenter, Ph.D. Candidate), S. Conroy, G.E.C. Gall, A. Sih & **J.E. Smith**. 2020. Human presence alters perceived risk in the California ground squirrel.
  - E. Person (presenter, Ph.D. Candidate), E. Lacey & **J.E. Smith**. 2020. Social network connections reflect gut microbiome of California ground squirrels.
- Barrett Symposium, Mills College (4 talks by Undergraduates: H. Algabri, T. Waxman, S. Wallin, S. Conroy J. Baldoza, K. von Maydell, R. Rourk, & S. Mochizuki)
- 2019** - Behavior 2019 (Joint Meeting of the International Ethological Conference & Animal Behavior Society Meeting), University of Illinois at Chicago [first author and presenter for first talk; senior author (PI) on second talk by Ph.D. student mentee at UC-Davis (Chelsea Ortiz-Jimenez)]
- Barrett Symposium, Mills College (Undergraduates: M. Ziaee, I. Smith, & K. von Maydell)
- 2018** - International Society for Behavioral Ecology, University of Minnesota  
(Presenter for one talk and co-authored talk presented by one Mills undergraduate)
- Barrett Symposium, Mills College (Undergraduates: R. Hunter, J. Spencer & E. Pendleton)
- 2017** - Animal Behavior Society, University of Toronto-Scarborough Campus, Canada  
- Faculty Lecture Series, Provost Office, Mills College, Oakland, CA  
- Barrett Symposium, Mills College (Undergraduates: C. Ortiz, J. Spencer & J. Cumbie)
- 2016** - International Society of Behavioral Ecology, University of Exeter, United Kingdom  
- Barrett Symposium, Mills College (D. Gamboa, C. Burton, C. Working, C. Jang & C. Annand)
- 2015** - Animal Behavior Society, University of Alaska, Anchorage, Alaska  
- Barrett Symposium, Mills (C. Carminito, L. Radanovich, K. Haughton, S. Hamilton, K. Singh)
- 2014** - Animal Behavior Society, Princeton University, Princeton, New Jersey  
- Barrett Symposium, Mills College (K.L. Newcomb, M. Vo, K. Singh & V. Muñoz)
- 2013** - Barrett Symposium, Mills College (K.L. Newcomb, M. Vo, L. Kong, V. Muñoz, Imani Russell)
- 2012** - Animal Behavior Society, University of New Mexico, Albuquerque (Presenter: Leslie Curren)  
- Sunbelt International Network for Social Network Analysis, Redondo Beach, California
- 2010** - Animal Behavior Society, College of William and Mary, Williamsburg, Virginia
- 2009** - Midwest Primate Interest Group, Grand Valley University, Michigan
- 2008** - International Society of Behavioral Ecology, Cornell University, Ithaca, New York
- 2007** - International Ethological Conference, Dalhousie University, Halifax, Nova Scotia
- 2006** - American Society of Mammalogists, University of Massachusetts Amherst
- 2005** - Animal Behavior Society, Snowbird, Salt Lake City, Utah
- 2004** - Behavioral Biology Group, Michigan State University  
- National Military Fish and Wildlife Association, Spokane, WA (Presenter: Chris Whelan)

### **Poster presentations:**

- 2020** - Gordon Research Conference on Predator-Prey Interactions, Ventura, CA  
(Co-authored a poster with 2 Mills undergraduates + one graduate student + collaborators)
- Research Showcase, President's Circle, Mills College, CA  
(Co-authored a poster with 2 Mills undergraduates + one graduate student + collaborators)

- 2019** - Gordon Research Conference on Movement Ecology, Renaissance Tuscany Il Ciocco, Italy  
(Presented invited poster co-authored by 4 undergraduates)
- Jill Barrett Research Symposium in Biology, Mills College, CA (Co-authored 4 posters; 13 undergraduates)
  - Fish and Wildlife Committee Fall Forum, Martinez, CA (Co-authored 2 posters; 6 undergraduates)
  - Behavior 2019 – International Ethological Conference and Animal Behavior Society  
Joint Meeting, University of Illinois at Chicago (Co-authored 2 posters; 12 undergraduates)
- \*Undergraduate presenter, Imani Smith: Charles Turner Award winner**
- Mills Science Research Symposium, Mills College, CA  
(Co-authored 6 posters with a total of 12 undergraduates)
- 2018** - International Society for Behavioral Ecology, University of Minnesota (Co-authored poster with undergraduate)
- Mills Science Research Symposium, Mills College, CA (Co-authored 6 posters; 12 undergraduates)
  - Fish and Wildlife Committee Fall Forum, Martinez, CA (Co-authored 1 poster; 3 undergraduates)
  - Jill Barrett Research Symposium in Biology, Mills College, CA (Co-authored 6 posters; 12 undergraduates)
- 2017** - Mills Science Research Symposium, Mills College, CA (Co-authored 2 posters; 4 undergraduates)
- Society for Comparative and Integrative Biology, New Orleans, LA (Co-authored 3 posters; 6 undergraduates)
- \*Undergraduate presenter, Denisse Gamboa = Charles Turner Award winner**
- Mills Science Research Symposium, Mills College, CA  
(Co-authored 2 posters with a total of 4 undergraduates)
  - Animal Behavior Society, University of Toronto-Scarborough Campus, Canada  
(Co-authored 2 posters with a total of 4 Mills undergraduates)
- \*Undergraduate presenter, Denisse Gamboa: Broadening Participation Travel Award Winner**
- \*Undergraduates, Clara Burton, Denisse Gamboa, & Cece Working: Charlotte Magnum Student Travel Awards**
- Jill Barrett Research Symposium in Biology, Mills College, CA (Co-authored 6 posters; 12 Mills undergraduates)
  - Fish and Wildlife Committee Fall Forum, Martinez, CA (Co-authored 2 posters; 3 Mills undergraduates)
- 2016** - Jill Barrett Research Symposium in Biology, Mills College, CA (Co-authored 3 posters; 6 Mills undergraduates)
- 2015** - Animal Behavior Society, University of Alaska, Anchorage, Alaska (Co-authored 2 posters; 6 Mills undergraduates)
- Fish and Wildlife Committee Fall Forum, Martinez, CA (Co-authored 2 posters; 2 Mills undergraduates)
  - Western Section of the Wildlife Society Annual Meeting, Santa Clara, CA
  - Jill Barrett Research Symposium in Biology, Mills College, CA (Co-authored 3 posters; 6 Mills undergraduates)
  - Mills Science Research Symposium, Mills College, CA (Co-authored 2 posters; 4 undergraduates)
- 2014** - Fish and Wildlife Committee Fall Forum, Martinez, CA (Co-authored 2 posters; 2 Mills undergraduates)
- Mills Science Research Symposium, Mills College, CA (Co-authored 3 posters; 9 Mills students)
- 2013** - Jill Barrett Research Symposium in Biology, Mills College, CA (Co-authored 3 posters; 6 Mills undergraduates)
- Invited Poster Symposium, “Social Evolution: Hamilton’s 50 year legacy”, Animal  
Behavior Society, University of Colorado-Boulder (Presenter: Elizabeth A. Hobson)
  - Undergraduate Science Research Symposium, Mills College, CA
- 2012** - Symposium on Animal Social Networks, University of Wyoming Laramie, WY
- Science Poster Day, Ackerman Grand Ballroom, UCLA (Co-authored 2 posters; 2 undergraduates)
  - Biology Research Symposium, Faculty Center, UCLA (Co-authored 2 posters; 2 undergraduates)

- 2011 - International Ethological Conference & Animal Behavior Society, University of Indiana
- 2010 - International Society of Behavioral Ecology, University of Western Australia  
- BEACON: NSF Center for Study of Evolution in Action, Michigan State University
- 2003 - American Society of Mammalogists, Texas Tech University, Lubbock

### **Instructor of record teaching positions**

#### **Department of Biology, Mills College (2012-present)**

Animal Behavior (BIO144, 2012-present, every year, 12-20 students): Lectures and discussions of primary literature to investigate how and why animals behave in the ways they do. Sole instructor.

Principles of Ecology w/ Lab (BIO 125, 2012-present, every year; 12-20 students): Lead lecture, lab, debates and directed student projects to promote an understanding of the interrelationships between organisms and the environments in which they live. Sole instructor for lecture and lab.

Marine Biology w/ Lab (BIO 158, 2013-present, every other year; 12-20 students): Facilitate an understanding of intersections among evolution, ecology, behavior, and conservation of marine organisms. Promote hands-on learning and field excursions in the Bay Area. Sole instructor.

Vertebrate Biology w/ Lab (BIO 161, 2014-present, every other year; 12-20 students): Instruct lecture and labs to facilitate student investigation of the key evolutionary innovations in morphology, behavior, physiology, and ecology across the vertebrate lineage. Sole instructor for lecture/lab.

Senior Seminar (BIO 191, 2015-present, every other year; 18-26 students): Responsible for mentoring and supervising seniors majoring in biology in their preparation of literature-based or empirical theses. Students engage in scientific analysis, writing, and oral presentations. Co-taught.

#### **Institute for Society & Genetics, UCLA (Winter quarters, 2011 and 2012)**

Evolutionary Biology & Social Cooperation (CSG188, 18-20 students): Designed an interdisciplinary seminar based on primary literature. Assessed student learning based on discussions, weekly response papers, and term papers. Sole instructor for course.

#### **Gifted & Talented Education, Honors College, MSU (2006 to 2009)**

Zoology (15-20 students per section, 2 sections annually): Developed and implemented curriculum for academically talented middle school students as part of a summer residential program in math, science, and technology. Co-taught with a herpetologist.

#### **National Audubon Society, Hog Island, Maine (2000 to 2001)**

Marine Biology (25 students per section, 2 sections annually): Provided intensive instruction on marine ecology during residential program on Maine coast. Co-taught with an oceanographer.

#### **Science Department, Trevor Zoo at Millbrook School, New York (1999 to 2000)**

Teaching Faculty in Residence (Student body = 180 high school students): Supervised animal care of 140 animals, including seven endangered species) at an AZA-accredited zoo. Dorm parent and mentor.

## External PhD committees and exams (Biology at Mills College is undergraduate only)

### Ph.D. thesis committee member:

Chelsea Ortiz-Jimenez (NSF GRP fellow, Department of Ecology and Evolutionary Biology,  
Animal Behavior Group, UC-Davis, Andy Sih's Lab, 2017- )  
Amanda Robin (NSF GRP fellow, Ecology, Evolution and Behavior, UCLA, Peter Nonac's Lab, 2017- )  
Erin Person (NSF GRP Honorable Mention, Integrative Biology, UC-Berkeley, Eileen Lacey's Lab, 2017- )

### Ph.D. guidance committee member:

Chelsea Ortiz-Jimenez (NSF GRP fellow, Department of Ecology and Evolutionary Biology,  
Animal Behavior Group, UC-Davis, Andy Sih's Lab, 2017- )  
Amanda Robin (NSF GRP fellow, Ecology, Evolution and Behavior, UCLA, Peter Nonac's Lab, 2017- )  
Erin Person (NSF GRP Honorable Mention, Integrative Biology, UC-Berkeley, Eileen Lacey's Lab, 2017- )

## Mentoring of undergraduates in research (research advisor for 91 students)

### Mills College (2012-present, 71 undergraduates)

Mimi Lucking (B.A. in Biology, Ecology, Evolution & Behavior Conc., Mills College – Expected 2023)  
Robin Mitchell (B.A. in Biology, Mills College – Expected 2023)

Haifa Algabri (B.A. in Biopsychology and Public Health & Health Equity, Mills College – Expected 2022)  
Gray Adams (B.S. in Biochemistry & Molecular Cell Biology, Mills College – Expected 2022)  
Sarah Barton (B.A. in Biology, Mills College – Expected 2022)  
Lizzy Dixon (B.A. Biology, Ecology, Evolution & Behavior Conc., Mills College – Expected 2022)  
Tess Waxman (B.A. in Public Health Equity, Mills College – Expected 2022)

Zaynab Alrashid (B.A. in Biology, Ecology, Evolution & Behavior Conc., Mills College – Expected 2021)  
Jada Baldoza (B.A. in Biochemistry, Mills College – Expected 2021)  
Liv Coletta (B.A. in Biology, Mills College – Expected 2021)  
Sophie Conroy (B.A. in Biology, Ecology, Evolution & Behavior Conc., Mills College – Expected 2021)  
Jasper DeCuir (B.A. in Biology, Ecology, Evolution & Behavior Conc., Mills College – Expected 2021)  
Abigail Jeffers (B.A. in Biochemistry, Mills College – Expected 2021)  
Iris Kilmister (B.A. in Biology, Ecology, Evolution & Behavior Conc., Mills College – Expected 2021)  
Bailey Meadows (B.A. in Biology, Mills College – Expected 2021)  
McKenzi Thompson (B.A. in Biochemistry, Mills College – Expected 2021)

Madeline Collender (B.A. in Biology, Ecology, Evolution & Behavior Conc., Mills College – Expected 2020)  
Catherine Dong (B.A. in Cell and Molecular Biology, Mills College – Expected 2020)  
Sarah Dawson (B.A. in Environmental Science, Mills College – Expected 2020)  
Shelby Krout (B.A. in Cell and Molecular Biology, Mills College – Expected 2020)  
Christina Lilly (B.A. in Biology, Ecology, Evolution & Behavior Conc., Mills College – Expected 2020)  
Sayaka Mochizuki (Post-Baccalaureate Pre-Medical Program, Mills College – 2020)  
Aine Piedad (B.S. in Biochemistry & Molecular Cell Biology, Mills College – Expected 2020)  
Erika Reina (B.A. in Biology, Mills College – Expected 2020)  
Ryann Rourk (B.A. in Biology, Ecology, Evolution & Behavior Conc., Mills College – Expected 2020)  
Marie Schulte-Bisping (B.A. in Biology, Mills College – Expected 2020)  
Emily Tepler (Post-Baccalaureate Pre-Medical Program, Mills College – Expected 2020)  
Kianna Von Maydell (B.A. in Biochemistry & Molecular Cell Biology, Mills College – Expected 2020)

Sarah Wallin (B.A. in Studio Art, Minor in Biology, Mills College – Expected 2020)  
Rowan Weir (B.A. in Biopsychology, Mills College – Expected 2020)  
Maddie Buhbe (B.S. in Biology, Ecol., Evolution & Behav. Conc., Mills College – 2019)  
Imani Smith (B.S. in Biology, Ecology, Evolution & Behavior Conc., Mills College – 2019)  
Masha Soshnin (B.S. in Chemistry, Mills College – 2019)  
Maia Ziaee (B.A. in Cell and Molecular Biology & Music, Mills College – 2019)

Anna Burton (B.A. in Sociology and Minor in Environ. Studies, Mills College – 2018)  
Riana Hunter (Barrett Scholar, B.A. in Biology & Math Minor, Mills College – 2018)  
Siu Sahn Foo (B.S. in Environmental Science, Mills College – 2018)  
Bianna Lomeli (Barrett Intern, B.S. in Biology, Mills College – 2018)  
Sian Morris (B.S. in Biochemistry, Mills College – 2018)  
Erika Pendleton (Barrett Assistant, B.S. in Biology & Math Minor, Mills College – 2018)  
Sabrina Sexton (B.S. in Biology, EEB Conc., Mills College – 2018)  
Julia Spencer (Barrett Scholar, B.S. in Biochemistry, Mills College – 2018)  
Maya Tillo (B.A. in Biology, EEB & Fine Arts, Mills College – 2018)  
Cece Working (Barrett Assistant, B.A. in Biology, EEB Conc., Mills College – 2018)

Dale Anderson (B.A. in Biology, EEB Conc., Mills College – 2017)  
Clara Burton (Barrett Scholar, B.S. in Biochemistry, Mills College – 2017)  
Jenny Cumbie (Barrett Scholar B.A. in Biology, EEB Conc., Mills College – 2017)  
Denisse Gamboa (B.S. in Biology, Mills College – 2017)  
Cameron Jang (Barrett Scholar, B.A. in Biopsychology, Mills College – 2017)  
Shima Kaid (B.S. in Biology, Mills College – 2017)  
Chelsea Ortiz (Barrett Scholar B.As. in Biology, EEB Conc. & Dance, Mills College – 2017)  
Sarah Travenick (B.A. in Biology, Ecological Theory & Practice Track, Mills College – 2017)  
Annie Wolf (B.S. in Biology, Mills College – 2017)

Chloe Annand (Barrett Assistant, B.A. in Biology, Mills College – 2016)  
Lauren Burke (B.A. in Biology, Ecological Theory & Practice Track, Mills College – 2016)  
Risa Gearhardt (B.S. in Biology and Environmental Studies, Mills College – 2016)  
Shea Hamilton (Barrett Scholar, B.S. in Biology, Mills College – 2016)  
Hsin-Hung Lin (B.S. in Biochemistry & Molecular Biology, Mills College – 2016)  
Clare Randt (Post-Baccalaureate Pre-Medical Program, Mills College – 2016)  
Sandeep Sagoo (B.A. in Biopsychology, Mills College – 2016)  
Kay Singh (Barrett Scholar, B.S. in Biology, Mills College – 2016)

Chelsea Carminito (Barrett Scholar, B.A. in Biology, Mills College – 2015)  
Kate Haughton (Barrett Assistant, B.S. in Biology, Mills College – 2015)  
Berenice Mosqueda (B.S. in Biopsychology, Mills College – 2015)  
Sasha Reed (B.S. in Biology, Mills College – 2015)  
Lily Radanovich (Barrett Scholar, B.A. in Biopsychology, Mills College – 2015)  
Lisa Surber (B.S. in Biology, Mills College – 2015)  
Minnie Vo (Barrett Scholar, B.S. in Biology, Mills College – 2015)

Valeska Denitze Muñoz (Barrett Scholar, B.S. in Biology, Mills College –2014)  
Kate Lee Newcomb (Barrett Scholar, B.S. in Biology, Mills College –2014)  
Imani Russell (Barrett Scholar, B.S. in Biology, Mills College – 2014)  
Shaima Syed (B.A. in Biology, Mills College – Expected Fall 2014)  
Julia Zirinsky (Post-Baccalaureate Pre-Medical Program, Mills College – 2014)

Susan Anthony (B.S. in Biology, Mills College –2013)  
Lauren Kong (Barrett Assistant, B.S. in Biology, Mills College –2013)  
Diana M. Ruiz (B.S. in Biology, Mills College –2013)  
Chelsea Satterwhite (B.S. in Biology, Mills College –2013)

### **University of California Los Angeles (2010-2012, 6 undergraduates)**

Lawrance Chung (Honors thesis 2012, B.S. in Biology, UCLA – 2013)  
Rachel Stafford-Lewis (Honors thesis, B.S. in Microbiology & Molecular Genetics, UCLA – 2013)  
Mega Patel (B.S. in Biochemistry, UCLA – 2013)  
Emery Valencia (B.S. in Evolutionary Biology & Ecology, UCLA – 2012)  
Jeffrey Sanker (B.S. in Biology, UCLA – 2012)  
Daphna Reed (B.A. in Classic Civilization, UCLA – 2012)

### **Michigan State University (2005-2010, 12 undergraduates)**

Stacey Piotrowski (B.S. in Zoology, MSU – 2011)	Heather Richards (B.S. in Zoology, MSU – 2010)
Sandra Memenis (D.V.M., MSU – 2010)	Jill Estrada (B.S. in Zoology, MSU – 2009)
Kari Mitsos (B.S. in Zoology, MSU – 2009)	Steph Dawes (B.S. in L.B. Biology, MSU – 2009)
Alison Cole (B.S. in Zoology, MSU – 2008)	Jill Kallenbach (B.S. in L.B. Biology, MSU – 2008)
Katie Powning (B.S. in Zoology, MSU – 2007)	Katie Graham (B.S. in Zoology, MSU – 2007)
Jessica Logan (B.S. in Zoology, MSU – 2006)	Adrienne Hopper (B.S. in Zoology, MSU – 2007)

### **Grants and fellowships to mentees to support our research**

#### National Science Foundation

- Graduate Research Fellowship: Chelsea Ortiz (2018-2021, \$138,000; co-advisor = Andy Sih)
- Graduate Research Fellowship, Honorable Mention: Erin Person (co-advisor = Eileen Lacey)

#### Animal Behavior Society

- Charles H. Turner Award of the Diversity Committee, Imani Smith (2019, \$2,000)
- Charles H. Turner Award of the Diversity Committee, Denisse Gamboa (2017, \$2,000)
- Diversity Fund Award, Chelsea Ortiz (2017 & 2019, \$600)

#### Society for Comparative and Integrative Biology

- Charlotte Magnum Student Travel Awards in 2016: Clara Burton, Denisse Gamboa, & Cece Working
- Broadening Participation Travel Award: Denisse Gamboa (2016, \$500)

#### Undergraduate Research Opportunity Program (UROP), Provost Office, Mills College, CA

- 2019-2020: Jada Baldoza (\$500), Kianna von Maydell (\$500), Ryann Rourk (\$162)
- 2018-2019: Kianna von Maydell (\$500), Maia Ziaee (\$100)
- 2017-2018: Julia Spencer (\$100), Erika Pendleton (\$500), Riana Hunter (\$500)

- 2016-2017: Jenny Cumbie (\$500), Denisse Gamboa (\$250), Sian Morris (\$445)
- 2015-2016: Chloe Annand (\$250), Clara Burton (\$500), Jenny Cumbie (\$250)

Jill Barrett Research Fellowships, Department of Biology, Mills College, CA

- Sayaka Mochizuki (2020, \$4000 + housing)
- Haifa Algabri (2020, \$2,500)
- Tess Waxman (2020, \$2500)
- Ryann Rourk (2020, \$2,500 + housing)
- Sarah Barton (2020, \$2500)
- Sarah Wallin (2020, \$2,500 + housing)
- Jada Baldoza (2019 & '20, \$8,000 + housing)
- Sophie Conroy ('19 & '20, \$8,000 + housing)
- Kianna v. Maydell ('19/20, \$6,500 + housing)
- Jasper DeCuir (2019, \$2500 + housing)
- Maia Ziaee (2019, \$4000 + housing)
- Shelby Krout (2019, \$2,500 + housing)
- Imani Smith (2019, \$2500)
- Masha Soshnin (2019, \$2,500 + housing)
- Mckenzi Thompson (2019, \$2500)
- Riana Hunter (2018, \$4,000 + housing)
- Erika Pendleton (2018, \$2300)
- Jenny Cumbie (2017, \$4,000 + housing)
- Chelsea Ortiz (2017, \$4,000)
- Julia Spencer (2017 & '18, \$4,700 + housing)
- Cece Working (2016, \$2,400 + housing)
- Denisse Gamboa (2016, \$4,000 + housing)
- Cameron Jang (2016, \$4,000 + housing)
- Chloe Annand (2016, \$2,400 + housing)
- Clara Burton ('15 & '16, \$6,400 + housing)
- Shea Hamilton (2015, \$4,000 + housing)
- Kate Haughton (2015, \$2,400)
- Lily Radanovich (2015, \$4,000 + housing)
- Chelsea Carminito (2015, \$4,000 + housing)
- Kay Singh ('14 & '15, \$6,400/2yrs + housing)
- Minnie Vo ('13 & '14, \$8,000/2yrs + housing)
- Valeska Muñoz ('13 & '14, \$8,000 + housing)
- Lauren Kong (2013, \$3,200 + housing)
- Imani Russell (2013, \$4,000 + housing)
- Kate Lee Newcomb ('13 & '14, \$8,000 + housing)

National Science Foundation (NSF) Research Experience for Undergraduates (REU) Fellows

- Kianna von Maydell (2018, \$4,000 stipend)
- Bianna Lomeli (2018, \$2,000 stipend)
- Julia Spencer (2017 & 2018, \$3,600 stipend over two summers)
- Lawrance Kon-Yip Chung (Summer 2012, \$6,000 stipend + room & board)
- Riana Hunter (2017, \$4,000 stipend)
- Dennise Gamboa (2017, \$2,400 stipend)

Undergraduate Research Fellow & Honors Summer Scholar, Vice Provost Office, UCLA

- Lawrance Kon-Yip Chung (Spring/Winter 2012, \$2,000; Summer 2012, \$1,000)

College of Natural Science Undergraduate Research Grants, MSU:

- Heather Richards (2010, \$2,000)
- Stephanie Dawes (2007, \$2,000)
- Jill Estrada (2009, \$2,000)
- Alison Cole (2008, \$2,000)

Fowler Endowment Undergraduate Research Stipends, MSU

Alison Cole (2008, \$3,500)                      Katie Graham (2007, \$3,500)

**Promoting diversity, inclusion and success among junior scientists via outreach**

2019, Invited Panelist, Weaving the Future of Animal Behavior, University of Chicago

Offered professional advice and mentoring to postdoctoral researchers and assistant professors about establishing a research, teaching and mentoring programs during a daylong pre-conference workshop.

2019, Invited Panelist, Weaving the Future of Animal Behavior, Arizona State University

Offered professional advice and mentoring to postdoctoral researchers and assistant professors about establishing a research, teaching and mentoring programs during a 3-day intensive retreat.



- 2019, Invited Panelist, Careers in Teaching, Dept. of Environ. Science, Policy, & Management, UC-Berkeley,  
Offered professional advice and mentoring to graduate students and postdoctoral researchers  
about academic careers that include an emphasis on excellence in teaching.
- 2019, *Presenter*, [Ecofest, Lindsay Wildlife Experience, Walnut Creek, CA](#)  
Educated wildlife rehabilitation and community members about the natural history of California  
ground squirrels and demonstrated ways biologists track wild mammals.
- 2013-2018, Co-organizer, Russell Women in Science Lecture, Mills College, Oakland, CA  
Coordinate daylong event on campus highlighting the importance of women in the science.
- 2017, *Presenter*, [Bay Area Science Festival](#)  
Collaborated with members of my lab to award Wildlife Ambassador Certificates to 100s of  
Bay Area youth completing inquiry-based activities about studying wildlife.  
[Discovery Day at Cal State East Bay](#), Hayward, CA (October 2017)  
[Discovery Day at AT&T Park, San Francisco](#), CA (November 2017)
- 2016, Women in Science Seminar Series, Integrative Biology, University of California Berkeley  
Facilitated discussion about navigating the academic job market and art of balancing the  
competing demands of teaching, mentoring, and research at a small liberal arts college.
- 2015, *Student Poster Session Judge*, Western Section of the Wildlife Meeting Conference, CA  
Evaluated the quality of the data, presentation and implications of student research.
- 2013-2015, *Presenter*, Annual Outreach Fair, Animal Behavior Society  
Educated the public about methods used to identify individual wild mammals.  
[Alaska Museum of Science and Nature](#), Anchorage, Alaska (June 2015)  
Adventures in Animal Behavior, Princeton University, New Jersey (August 2014)  
Natural History Museum, University of Colorado, Boulder, Colorado (August 2013)
- 2014, Biologist, Community Meetings hosted by City of Berkeley. Offered insights about non-lethal  
approaches for managing California ground squirrels at Cesar Chavez Park, City of Berkeley.
- 2013, *Presenter*, Professional Development Course, University of California Davis  
Mentored postdoctoral scholars and graduating students about navigating the job search.
- 2011, *Presenter*, Broadening Participation in Ecology, RMBL, Gothic, Colorado,  
Educated undergraduates about the importance of diversity in the sciences. Offered tools  
and resources to help students overcome barriers that might otherwise limit participation.
- 2011, *Educator and Presenter*, Rocky Mountain Biological Laboratory, Gothic, CO  
Introduced friends and supporters of the lab to the fundamentals of marmot research.
- 2011, *Instructor for Marmot Week*, Rocky Mountain Biological Laboratory, Gothic, Colorado  
Introduced elementary students to the art and science of studying wild marmots.
- 2011, *Organizer and Presenter*, Dog & Human Co-evolution Symposium, UCLA  
Explained co-evolutionary processes shaping relationships between dogs and humans.
- 2010, *Undergraduate Research and Arts Forum Judge*, College of Natural Science, MSU  
Evaluated explanations and significance of undergraduate research.
- 2010, *Chapter President & Charter Member*, MSU Graduate Women in Science  
Spearheaded efforts to reinstate local chapter. Disseminated information, shared resources,  
and created forum in which women may learn to succeed as independent scientists.
- 2010, *Career Day Presenter*, Friends School, Detroit, Michigan  
Introduced middle school students to the fields of evolutionary biology and zoology.

2010, *Educator*, Frontiers in Science Weekend Workshop Series, Lansing, Michigan  
 Provided research-based teaching modules to teachers with secondary science credentials, facilitating the integration of new scientific developments into the K-12 curriculum.

2009, 2010, *Darwin Discovery Day Presenter*, MSU Museum of Natural History  
 On Charles Darwin's birthday, educated the public about evolutionary biology.

2005-2010, *Presenter*, Math and Science Conference for 6<sup>th</sup> Grade Girls, Michigan  
 Educated sixth grade girls about opportunities in science. Introduced ecological principles during the discovery workshop entitled, "Who eats whom in the web of life."

2008, *Educator*, Linking All Types of Teachers to International Cross-Cultural Education (LATTICE), Fostered partnerships with K-12 teachers and global scholars of education to heighten awareness of the interplay between cultural and ecological sustainability.

2003-2004, *Community Activism and Outreach*, Masai Mara, Kenya  
 Provided educational opportunities for middle-school girls about the value of wildlife and its conservation. Dispelled myths about spotted hyenas.

2004, *Presenter*, Behavioral Ecology of African Mammals Course, Kenya

2009-2012, *Honoraria Committee Member*, American Society of Mammalogists  
 Recognize undergraduate and graduate students for excellence in mammalogy research.

2005-2009, *Science Olympiad Facilitator and Judge*, State Tournament, Michigan  
 Organized competition. Assessed the design and written interpretation of experiments.

2008, *Invited Speaker*, ECO (Student Environmental Group), MSU  
 Lead conversation about conservation and research opportunities in marine biology.

1997-1998, *Environmental Educator*, Colby College, Maine.  
 Educated middle school students about the natural world and the value of its conservation.

### **Communicating science through media and press coverage**

**Animal Planet's Show: 'How do Animals Do That'** will feature our Long-term California ground Squirrel Project in forthcoming episode, "How is a squirrel the master of disguise?"  
 Directed by Katie Buckland (anticipated airdate: December 2020)

**New Scientist**, "Dominate or influence?" by Emma Young (July 1st 2020)

**Discover Magazine**, "From Animals to Human Society: What We Learn When Women Lead"  
 by Bridget Alex (Feb. 2020)

**Save Mount Diablo Blog**, "The secret lives of squirrels underground: researching how squirrels build and use burrows" by Amanda Robin (Feb. 2020)

**Save Mount Diablo Blog**, "An integrated approach to understanding behavioral responses of free-living mammals to human-induced rapid environmental change" by Jenn Smith (Jan. 2019).

**"Lessons from Animals About Barriers to Female Leadership"** by Marc Bekoff (Oct. 9 2018)

**Colby Magazine**, "Short forum: Squirrels and Mules" by Gerry Boyle (December 2018)

**Psychology Today**, "Lessons from Animals About Barriers to Female Leadership" by Marc Bekoff (Oct. 9 2018)

**BBC News**, "Could the animal kingdom hold the secret to smashing the glass ceiling?: What animals tell us about female leadership" by Lesley Evans Ogden (Sept. 26 2018)

**New Scientist**, "The 7 non-human mammals where females rule the roost" by Chelsea Whyte (Sept. 26 2018)

**"Mills College Biology Professor Coauthors Research on the Social Personalities of California Ground Squirrels"** by Jeanne Herrera (July 2018) on [PRWeb](#). [Additional coverage by [iNaturalist](#) California Academy of Sciences, San Francisco, CA), [Weny News](#) (Horseheads, New York), [Crossroads Today ABC News Center](#) (Victoria, Texas), [NewsOn6](#) (Tulsa, Oklahoma), [NBC29](#) (Charlottesville, Virginia), [Fox40](#) (Binghamton, New York)].

Brains on! A podcast for kids & curious adults, [What makes fun things fun?](#) Interview and story by Molly Blume (August 2018)

Mills Quarterly (Summer Issue): ["It Came from Beneath the Sea"](#) by Linda Schmidt (July 2017, pp. 24)

Mills Quarterly (Spring Issue): ["Creature Features"](#) by Linda Schmidt (March 2016, pp. 8-11) [PDF](#)

Voice of America, ["Animals offer leadership lessons to humans"](#) by Faiza Elmasry (Dec. 2015)

IFL Science, ["How do human leaders compare to animal ones?"](#) by Janet Fang (November 2015)

Science Daily, ["What makes a leader? Clues from the animal kingdom"](#) (November 2015)

Western Daily Press, ["Your boss is not as powerful as you might think – wild animals are true leaders, says a new study"](#) by Tina Rowe (November 2015)

Nature World News, ["Humans and Animals Lead Social Groups in Similar Ways, Researchers Say"](#) by Samantha Mathewson (November 2015)

Forbes, ["What elephants can teach the presidential candidates about leadership"](#) by Arlene Weintraub (Nov. 2015)

Forbes, ["Why Donald Trump couldn't lead a pack of hyenas"](#) by JV Chamary (Nov. 2015)

Market Business News, ["Qualities of leadership – learned from studying mammalian societies"](#) by Veronica Cruz (November 2015)

Neuroscience News, ["The nature of leadership"](#) (November 2015)

Tech Times, ["What makes an effective leader? Leadership in animal kingdom gives clue"](#) by R. Doctor (November 2015)

The Examiner, ["Experts prove animals are better leaders than humans"](#) by Paul Hamaker (November 2015)

The Examiner, ["Humans can become better leaders by observing other animals"](#) by Tameca L. Coleman (November 2015)

Discovery News, ["Word's best leaders aren't human"](#) by Jennifer Viegas (November 2015)

The Campanil: ["Updated vertebrate collection provides backbone for revised biology programs"](#) by Erin Strubbe (Cover story: October 2015)

Mills College Viewbook: ["Immersive research experience: Doing real field and lab work"](#) by Judy Silva (July 2015)

Earth Magazine: ["The new anthropology: from bones and stones to biology and behavior"](#) by Mary Caperton Morton (Comparing apples to oranges, hyenas to humans; June 2015)

BBC News: ["Powerful female hyenas say 'hello' with their genitals"](#) by Melissa Hogenboom (June 2015)

Mills Quarterly (Fall Issue): ["Science in the Wild: Team squirrel takes the field"](#) by Susan McCarthy (Cover story: September 2014) [PDF](#)

The Campanil: ["Research team studies campus cat behavior"](#) by Octavia Sun (Cover story: October 2013)

National Public Radio: ["Convergent Evolution: Hyenas Offer Clues To The Human Past"](#) by Barbara J. King (February 2013)

The Campanil: ["Professor introduces classes, energizes department"](#) by Kate Carmack (Cover story: April 2013); students and colleagues welcome me to the Biology Department of Mills College in the college newspaper. [PDF](#)

American Society of Mammalogists Newsletter: ["Hyenas, the new primates"](#) by Ed Heske (February 2013)

Michigan State University: ["Featured Fellow."](#) Development Office (February 2012)

Flipside magazine: ["Jaws of Death"](#) (2012)

International Society for Behavioral Ecology (ISBE) Newsletter: [Spotlight on...Jenn Smith](#) Highlighted as new investigator. (Volume 23, Spring 2011)

The Daily Nation: Media of Africa for Africa: ["The female hyena calls the shots."](#) by Gathura, G. 21-January-2011.

Gill, V. 2011. [Hyenas “greet friends” to ask for help](#). BBC Earth News, Science & Environment  
Chavez, M.B. 1-August-2010. Graduate Women in Science Newsletter.  
Kauppi, L. 1-April-2010. Women’s Resource Center Celebrates Award Worthy Women. Michigan State University Women’s Resource Center. [MSU Women’s Resource Center Newsletter](#).  
Daniels, J. March-2010. Featured Article on the Evolution of Religion, Brain, & Behavior. [Institute for the Biocultural Study of Religion \(IBCSR\)](#).  
Gill, V. 2010. [In pictures: Family matters to hyenas](#). BBC Earth News, Science & Environment.  
Skrzypczak, M. 2009. MSU research finds reason for female hyena dominance. MSU State News.  
Oswald, T. Winter 2008. Hyenas pursue a table for one. MSU today: research on the edge. p. 14.  
Oswald, T. & J.E. Smith. 2008. [Spotted hyenas can increase survival rates by hunting alone](#). MSU News Bulletin 39(22):3.  
Dodd, G. 2008. Spotted hyenas communal, except around dinner time. Chinaview.net.  
Soltis, G. 17-July-2008. [Solitary hyenas still get the last laugh](#). LiveScience.com.  
2004. "Postcard from Kenya" in Village Soup Times.

**Our research also covered on multiple additional media outlets including:**

Science Daily, World News, Sify News, Thaindian News, Newstrack India, World News, Biology Blog, Wildlife Extra, Herald Globe Leadership, Nigerian Best Forum, & Top News

**Academic service**

**College-wide Committees (Elected & Appointed) – Mills College**

Sustainability Committee (2020-2023)  
Chair, International Studies & Study Abroad Committee (2013-present)  
Institutional Animal Care & Use Committee (2013-present)  
*Phi Beta Kappa*, Mills College Chapter (2013-present)  
Search Committee for Associate Provost for Teaching, Learning & Faculty Affairs (2017-2018)  
Chair, Core Curriculum Committee (2016-2018)  
Curricular Transformation Task Force (2014-2015)  
Diversity & Social Justice Committee (DSJC; 2013-2016)

**Divisional Service – Mills College**

Curator, Educational Displays in Natural Science Cabinet (2013-present)  
Environmental Science Program Committee (2013-present)  
Environmental Studies Program Committee (2013-2015)  
Division Secretary (2012-2014)

**Departmental Service – Mills College**

Chair and Department Head, Biology Department (2019-present)  
Director, Jill Barrett Research Program in Biology (2018-present)  
Curator, Vertebrate Zoology Collection Manager (2012-present)  
Faculty Advisor, Pre-Vet Club (2013-present)  
Search Committee for Molecular Cell Biologist (2015-2016)  
Search Committee for Plant Ecologist (2014-2015)

### **Speakers hosted to give presentations for Mills College students:**

2020 – Chelsea Carminito, Veterinary Assistant, UC-Davis  
2020 – Lisa Surber, Biology Department, Sonoma State University  
2018 – Isaac Ligocki, Evolutionary Game Theory in Marine Systems, The Ohio State University  
2018 – Freddy Herrera, Biodiversity Conservation Research, Operation Wallacea  
2017 & 2018 – Dana Carrison-Stone, Discovery of Two Barnacle Species, Exploratorium  
2016 – Tali Hammond, Vertebrate Responses to a Changing World, UC-Berkeley  
2016 – Zoomobile, Oakland Zoo, Oakland, California  
2016 – Dale Anderson, Rescue Paws, Thailand  
2015 – Bree Putman, University of California-Davis  
2014 – Imani Russell, Reforestation Research, Third Millennium Alliance, Ecuador  
2012 – Michael Marchetti, Biological Invasions, St. Mary's College, California

### **Support of College Work & Events – Mills College**

Creator of [Biology at Mills College](#) promotional video for Admissions during shelter in place (2020)  
Mills [“It’s a wrap”](#) video by Sarah Nash about student opportunities, including research (2019)  
Admissions Events and Preview Days (2013-ongoing; ~2 talks and/or events per year)  
Research Opportunities in Science, Hellman Program, Mills College (2017-present, one talk annually)  
Experience Mills Day (Fall 2012—ongoing, annual participation)  
Co-organizer, Annual Russell Women in Science Lecture (RWIS; 2013-2017)  
Mills Quarterly, “It Came from Beneath the Sea” by Linda Schmidt (2017)  
Mills Quarterly, “Creature Features” by Linda Schmidt (2016)  
Team Squirrel Video, Produced by Bill Freais; Distributed to Donors & Alumnae (2016)  
Mills Quarterly, “Science in the Wild: Team Squirrel takes the Field” by Susan McCarthy (2014)  
Science Technology Engineering and Mathematics, Themed-Housing Advisor (2016-2017)  
Bay Area Exploration, Themed-Housing Community Advisor (2015-2016)  
Science Living and Learning Community Advisor (2014-2015)

### **Service at UCLA and Michigan State University**

2010, *Member of Organizing Committee*, Institute for Society and Genetics' Symposium, UCLA,  
Organized symposium of international scholars to discuss the roles of natural selection, artificial selection and culture on the co-evolution of dogs and humans.  
2007, 2008, *University Representative*, Pre-View Reception, MSU  
Recruited new students to the Honors College and the Academic Scholars Program.  
2005-2006, *Student President*, Ecology, Evolutionary Biology, & Behavior Colloquium, MSU  
Organized a weekly forum for graduate students to discuss current research projects.

### **Ad hoc reviewer/editor:**

**Journal Editorial Board:** Leadership Quarterly (2018-present)

### **Granting Agencies:**

National Science Foundation (NSF), Reviewer, Division of Environmental Biology (DEB)  
NSF, Ad Hoc Reviewer, Division of Integrative Organismal Systems (IOS)  
NSF, Panelist, Division of Integrative Organismal Systems (IOS)  
Israel Science Foundation (ISF)

**Journals (Total = 60 articles):** African Journal of Ecology (2), Animal Behaviour (12), Australian Journal of Zoology, Behaviour (2), Behavioral Ecology (5), Behavioral Ecology & Sociobiology (10), Biological Conservation, Biological Invasions, Biology Letters, Canadian Journal of Zoology, Current Zoology (7), Ecology and Evolution (2), Ethology (5), European Journal of Wildlife Research, Evolution, Journal of Ethology (2), Journal of Comparative Psychology, Journal of Experimental Marine Biology & Ecology, Journal of Animal Ecology, Journal of Mammalogy (4), Leadership Quarterly (2), Molecular Ecology (2), Mammalian Biology, *Naturwissenschaften*, *Oecologia*, *Oikos*, Psychoneuroendocrinology, Physiology & Behavior, PLOS ONE (2), PLOS Computational Biology, Proceedings of the Royal Society B, Wilson Journal of Ornithology

**Books:**

Animal Social Networks

Carnivore Minds

The Social Life of Geese