

# Jennifer E. Smith

## CURRICULUM VITAE

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**Biology Department, Mills College, 5000 MacArthur Blvd., Oakland, CA 94613**

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**Email:** [jesmith@mills.edu](mailto:jesmith@mills.edu) (best way to reach me), **Phone:** 510-430-2161, **Fax:** 510-430-3304

### EDUCATION

- 2004-2010 **Joint Ph.D. in Zoology & Ecology, Evolutionary Biology & Behavior (EEBB)**  
Certification in Teaching Science and Mathematics, Michigan State University  
Advisor: Kay E. Holekamp, University Distinguished Professor & EEBB Director
- 2001-2003 **M.S. in Integrative Biology**, University of Illinois at Urbana-Champaign  
Advisor: George O. Batzli, Professor of Ecology
- 1994-1998 **B.A. in Biology**, Concentration in Environmental Science, Colby College, Maine  
*Phi Beta Kappa*, Distinction in Major, *Magna Cum Laude*, Dean's list all semesters  
Advisor: F. Russell Cole, Oak Professor of Biological Sciences
- 1996-1997 James Cook University, AUSTRALIA & School for Field Studies, KENYA

### PROFESSIONAL EXPERIENCE

- 2017-present **Associate Professor and Chair**, Biology Department, Mills College, Oakland, CA
- 2017-present **Letts-Villard Endowed Chair in the Natural Sciences** Mills College, Oakland, CA
- 2012-2017 **Assistant Professor**, Biology Department, Mills College, Oakland, CA
- 2010-2012 **Postdoctoral Fellow**, Department of Ecology & Evolutionary Biology (EEB)  
Institute for Society & Genetics, University of California Los Angeles  
Advisor: Dan Blumstein, Professor and Chair of EEB Department
- 1999-2000 **Teaching Faculty**, Science Department, Millbrook School, New York

### MAJOR GRANTS (≥ \$9,000)

- 2019 **Jill Barrett Undergraduate Research Program in Biology**, Barrett Foundation  
(Jennifer Smith = PI, Program Director), \$360,000
- Workshop at the Wissenschaftskolleg Berlin** (Jennifer Smith = lead writer of grant;  
Co-PIs = Peter Kappeler, University of Göttingen, Claudia Fichtel (German Primate  
Center), Mark van Vugt (VU University of Amsterdam), ~\$12,000
- 2017 **NSF Research Opportunity Award** (Co-PI = Andy Sih at UC-Davis), \$43,990
- MillsNext Challenge Award** (Establishing Mills as a Beacon for women in STEM,  
Principal Investigator = Jenn Smith; Co-PIs = Walter, Delker and Young), \$9,000
- Fish and Wildlife Propagation Grant**, Contra Costa County, Department of  
Conservation and Development, California, \$9,431
- 2015 **W. M. Keck Foundation Grant**, Undergraduate Education Program  
P.I. Elisabeth Wade (Co-PIs = Brabson, Faul, Smith & Swope), \$325,000
- 2014 **Fish and Wildlife Propagation Grant**, Contra Costa County,  
Department of Conservation and Development, California, \$18,136

### **MAJOR FELLOWSHIPS**

- 2017 **Quigley Fellowship Award in Women's, Gender and Sexuality Studies**, Mills College  
*\*One annual award. Course release to study female leadership.*
- 2011 **American Association of University Women**, Postdoctoral Fellowship, \$30,000
- 2010 **UCLA Center for Society & Genetics**, Postdoctoral Fellowship, salary & benefits (2 yrs)
- 2009 **Barnett Rosenberg Graduate Fellowship**, MSU, salary, tuition & benefits (1 yr)
- 2007 **P.E.O. Scholar Award**, International Chapter of the P.E.O. Sisterhood, \$10,000
- 2004 **University Distinguished Fellowship**, MSU, salary, tuition & benefits (2 yrs)

### **EXCELLENCE IN TEACHING AWARDS**

- 2017 **Penny Bernstein Distinguished Teaching Award**, Animal Behavior Society  
*\*One annual career award to an individual for sustained excellence in teaching.*
- Excellence in Teaching Award**, Northern California Association of *Phi Beta Kappa*, \$1000  
*\*Three annual awards to faculty for excellence in teaching in the liberal arts.*
- 2011 **Award for Innovative Courses in Diversity & Undergraduate Education**, UCLA, \$10,000  
*\*Four annual awards from Provost and Office for Diversity & Faculty Development.*
- 2010 **All University Excellence-In-Teaching Citation**, Office of the Provost, MSU, \$1,000  
*\*Six awarded annually to individuals among a student body of 47,100.*
- 2010 **Excellence-In-Teaching Award**, College of Natural Science, MSU

### **ACADEMIC HONORS AND AWARDS**

- 2017 **Letts-Villard Endowed Chair in the Natural Sciences**, Mills College, \$5,000
- 2013 **Postdoctoral Research Award for Best Paper**, Human Behavior & Evolution Society, \$500  
*\*One annual award to an individual for best paper completed  $\leq$  5 years of Ph.D.*
- 2009 **Anna M. Jackson Speaker Award**, American Society of Mammalogists, \$1,500  
***Sigma Xi***, Chapter of Michigan State University  
**Student Speaker Award**, Ecology, Evolutionary Biology, & Behavior, \$500
- 2008 **John R. Shaver Award**, Department of Zoology, MSU, \$1,500  
**Recognition for Commitment to Student Learning**, Undergraduate Student Affairs, MSU
- 2006 **Program for Excellence in Science**, AAAS
- 1997 **Mark Leederman Scholar in Biology**, Colby College  
***Phi Beta Kappa***, Chapter at Colby College

### **ADDITIONAL RESEARCH AND TRAVEL GRANTS**

- 2019 Save Mount Diablo Grant, Mary Bowerman Science and Research Program, \$5,000  
Faculty Research Grant, Mills College \$4,000  
Faculty Travel Grant, Mills College \$2,000
- 2018 Save Mount Diablo Grant, Mary Bowerman Science and Research Program, \$5,000  
MACK Innovation Grant, Mills College, \$4,000  
Faculty Travel Grant, Mills College \$1,500
- 2017 Sandra Greer Faculty Development Grant, Mills College, \$4,000  
Faculty Travel Grant, Mills College \$1,500
- 2016 NSF Travel Grant, International Society of Behavioral Ecology, \$1,000  
Trendsetters and Cultural Change, National Science Foundation Seed Grant, \$5,000  
(Pls C. Eckel, S. Brosnan & R. Nesse for "Interdisciplinary Workshop on Cooperation & Conflict"; SES).  
Faculty Development Grant, \$4,000  
Faculty Travel Grant, Mills College, \$1,500
- 2015 Sandra Greer Faculty Development Grant, \$4,000  
Faculty Travel Grant, Mills College, \$1,500
- 2014 Faculty Development Grant, \$4,000  
Faculty Travel Grant, Mills College, \$1,742
- 2013 Faculty Research Award & Travel Grant, Mills College, \$5,500
- 2011 National Science Foundation (NSF) Rice ADVANCE Workshop Grant, \$400  
Franklin Research Grant, American Philosophical Society, \$6,000  
National Academy of Sciences Travel Grant, \$200
- 2010 International Society of Behavioral Ecology NSF Travel Grant, \$2,200  
Barnett Rosenberg Postdoctoral Fellowship in Biology, MSU, \$6,000
- 2009 Merit Fellowship, Office of the Graduate School, MSU, \$2,000  
Dissertation Completion Fellowship, College of Natural Science, MSU, \$6,000
- 2008 Fellowship for Interdisciplinary Research in Quantitative Biology, MSU, \$5,500  
Travel Fellowship, EEBB Program, MSU, \$300  
Summer Research Fellowship, College of Natural Science, MSU, \$6,000  
Dissertation Completion Fellowship, College of Natural Science, MSU, \$6,000  
Fellowship for Interdisciplinary Research in Quantitative Biology, MSU, \$5,500  
Travel Fellowship, EEBB Program, MSU, \$300  
Summer Research Fellowship, College of Natural Science, MSU, \$6,000
- 2007 Travel Fellowship, International Studies and Programs, \$400  
Wilderness Medicine Fellowship, MSU, \$300  
Research Enhancement Award, Office of the Graduate School, MSU, \$1,150  
Research & Travel Fellowships, EEBB Program, MSU, \$1,150
- 2006 College of Natural Science Graduate Research Fellowship, MSU, \$6,000  
Research & Travel Fellowships, EEBB Program, MSU, \$1,150  
Graduate Office Summer Fellowship, MSU, \$3,500
- 2005 Research & Travel Fellowships, EEBB Program, MSU, \$3,300
- 2004 College of Natural Science Recruiting 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

## **PUBLICATIONS**

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

**Smith, J.E.**, and N. Pinter-Wollman. *In review*. 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*.

Ross, C., Adrian, J., Borgerhoff, M., **Smith, J.**, Smith, E., Gavrillets, S. and P. Hooper. *In revision*. The Multinomial Index: A robust measure of reproductive skew. *Proceedings of Royal Society B*.

Hammond, T.T., \*\*Ortiz, C.A. and **J.E. Smith. 2020**. Anthropogenic change alters ecological relationships via interactive responses in stress physiology and behavior within and among organisms. *Integrative and Comparative Biology*. doi: 10.1093/icb/icaa001

**Smith, J.E.**, and M. van Vugt. **2020**. Leadership and status in mammalian societies: Context matters. *Trends in Cognitive Sciences* doi: 10.1016/j.tics.2020.01.003

\*\*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. doi.org/10.1093/jmammal/gyz134

Kappeler, P.M., Fichtel, C., van Vugt, M. and **J.E. Smith. 2019**. Female leadership: A transdisciplinary perspective. *Evolutionary Anthropology* 28(4):160-163.

\*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)

**Smith, J.E.**, \*Ortiz, C.A., \*Buhbe, M.T. and M. van Vugt. **2019**. Obstacles and opportunities for female leadership in mammalian societies: A comparative perspective. *Leadership Quarterly*. doi: 10.1016/j.leaqua.2018.09.005 (Special Issue: Evolution and Biology of Leadership: A New Synthesis).

**Smith, J.E.** and K.E. Holekamp. **2019**. Landmark Studies: Spotted Hyenas. In, "*2<sup>nd</sup> Edition of Encyclopedia of Animal Behavior*". Breed, M. & J. Moore (Eds.) Elsevier Publishers, UK.

van Vugt, M. and **J.E. Smith. 2019**. A dual model of leadership and hierarchy: Evolutionary synthesis. *Trends in Cognitive Sciences* doi: 10.1016/j.tics.2019.09.004

\*\*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).

**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. doi: 10.1098/rstb.2017.0249 (Theme Issue: Uncovering the impacts of architecture on collective behaviour).

**PUBLICATIONS** (continued)

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

- 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).
- 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).
- Smith, J.E., Lacey, E.A., & 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.
- Smith, J.E. 2017.** Book Review-Carnivore Minds: Who These Fearsome Animals Really Are. *The Quarterly Review of Biology* 92(3), 312-313.
- Smith, J.E. 2017.** Non-human Leadership. *The Encyclopedia of Evolutionary Psychological Science*. Pp. 1-4.
- Smith, J.E., Long, D.J., \*Russell, I.D., \*Newcomb, K.L. & V. D. \*Muñoz. 2016.** *Otospermophilus beecheyi* (Rodentia: Sciuridae). *Mammalian Species*. 48(939):91-108.
- Smith, J.E., Gavrilets, S., Borgerhoff Mulder, M., Hooper, P., El Mouden, C., Nettle, D., Hauert, C., Hill, K., Perry, S., Pusey, A.E., van Vugt, M., & 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)
- Blumstein, D.T., \*Keeley, K.N. & **J.E. Smith. 2016.** Fitness correlates of social and ecological stressors in wild yellow-bellied marmots. *Animal Behaviour*. 112:1-11.
- Smith, J.E. 2016.** Cooperation in Social Carnivores. *The Encyclopedia of Evolutionary Psychological Science*. Pp. 1-5.
- Smith, J.E. 2015.** Animal Social Networks. *The Quarterly Review of Biology*. 90(4):437.
- 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.
- Smith, J.E. 2014.** Hamilton's legacy: Kinship, cooperation and social tolerance in mammalian groups. *Animal Behaviour* 92:291-304. (Special Issue: Kin Selection).

**PUBLICATIONS** (continued)

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

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**. The dynamics of animal social networks: analytical, conceptual, and theoretical advances. *Behavioral Ecology* 25(2):242-255.

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

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

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.

**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.

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.

**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*)

**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.

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)

**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)

**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.

**Smith, J.E.** & K.E. Holekamp. **2010**. Landmark Studies: Spotted Hyenas. In, "Encyclopedia of Animal Behavior". Breed, M. & J. Moore (Eds.) Elsevier Publishers, UK, pp. 335-349.

**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.

**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.

**PUBLICATIONS** (continued)

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

**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.

**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.

**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* (now called, "Wilson Journal of Ornithology") 116:163-166.

**INVITED SEMINARS, WORKING GROUPS AND SYMPOSIA**

- 2020**
- Biology Seminar Series, Sonoma State University, Sonoma, CA
  - Invited Symposium (organizer/speaker), Weaving the Future of Animal Behavior (WFAB): Technological Advances to Reveal the Secret Lives of Animals, Animal Behavior Society, University of Knoxville Tennessee
- 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
  - Invited Student Speaker, Program in Ecology, Duke University, Durham, NC
- 2018**
- Mary Bowerman Science & Research Colloquium, Berkeley, CA
  - Animal Behavior Group Seminar, University of California Davis, CA

## **INVITED SEMINARS, WORKING GROUPS AND SYMPOSIA**

- 2017** - Department of Ecology and Evolutionary Biology, Seminar Speaker, University of California, Los Angeles, CA
- 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 on, "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



**INVITED SEMINARS, WORKING GROUPS AND SYMPOSIA** (continued)

- 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, University of California Los Angeles  
- 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**

- 2019** - Behavior 2019 (Joint Meeting of the International Ethological Conference & Animal Behavior Society Meeting), University of Illinois at Chicago  
(Presenter for one talk and co-authored talk presented by advisee at UC-Davis)  
- 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, Univ. 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  
(Co-authored a poster with a total of 4 Mills undergraduates)
- Jill Barrett Research Symposium in Biology, Mills College, CA  
(Co-authored 4 posters with a total of 13 Mills undergraduates)
  - Fish and Wildlife Committee Fall Forum, Martinez, CA  
(Co-authored posters with 3 Mills undergraduates)
  - Behavior 2019 – International Ethological Conference and Animal Behavior Society  
Joint Meeting, University of Illinois at Chicago  
(Co-authored 2 posters with a total of 12 Mills undergraduates)
  - 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 one Mills undergraduate)
- Mills Science Research Symposium, Mills College, CA  
(Co-authored 6 posters with a total of 12 undergraduates)
  - Fish and Wildlife Committee Fall Forum, Martinez, CA  
(Co-authored posters with 3 Mills undergraduates)
  - Jill Barrett Research Symposium in Biology, Mills College, CA  
(Co-authored 6 posters with a total of 12 Mills undergraduates)
- 2017** - Mills Science Research Symposium, Mills College, CA  
(Co-authored 2 posters with a total of 4 undergraduates)
- Society for Comparative and Integrative Biology, New Orleans, LA  
(Co-authored 3 posters with a total of 6 Mills undergraduates)
  - 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)
  - Fish and Wildlife Committee Fall Forum, Martinez, CA  
(Co-authored posters with 3 Mills undergraduates)
  - Jill Barrett Research Symposium in Biology, Mills College, CA  
(Co-authored 6 posters with a total of 12 Mills undergraduates)
- 2016** - Jill Barrett Research Symposium in Biology, Mills College, CA  
(Co-authored 3 posters with a total of 6 Mills undergraduates)

**POSTER PRESENTATIONS** (continued)

- 2015** - Animal Behavior Society, University of Alaska, Anchorage, Alaska  
(Co-authored 2 posters with a total of 6 Mills undergraduates)
- Fish and Wildlife Committee Fall Forum, Martinez, CA  
(Co-authored posters with 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 with a total of 6 Mills undergraduates)
- Mills Science Research Symposium, Mills College, CA  
(Co-authored 2 posters with a total of 4 undergraduates)
  
- 2014** - Fish and Wildlife Committee Fall Forum, Martinez, CA  
(Co-authored posters with 2 Mills undergraduates)
- Mills Science Research Symposium, Mills College, CA  
(Co-authored 3 posters with a total of 9 Mills students)
  
- 2013** - Jill Barrett Research Symposium in Biology, Mills College, CA  
(Co-authored 3 posters with a total of 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, University of California Los Angeles  
(Co-authored 2 posters with undergraduates, Lawrance Chung & Rachel Stafford-Lewis)
- Biology Research Symposium, Faculty Center, University of California Los Angeles  
(Co-authored 2 posters with undergraduates, Lawrance Chung & Rachel Stafford-Lewis)
  
- 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 AND FACULTY POSITIONS**

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

- ***Animal Behavior*** (BIO144, 2012-present, every fall): Lectures and discussions of primary literature to investigate how and why animals behave in the ways they do.
- ***Principles of Ecology w/ Lab*** (BIO 125, 2012-present, every spring): Lead lecture, lab, debates and directed student projects to promote an understanding of the interrelationships between organisms and the environments in which they live.
- ***Marine Biology w/ Lab*** (BIO 158, 2013-present, every other year): 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.
- ***Vertebrate Biology w/ Lab*** (BIO 161, 2014-present, every other spring): Instruct lecture and labs to facilitate student investigation of the key evolutionary innovations in morphology, behavior, physiology, and ecology across the vertebrate lineage.
- ***Senior Seminar*** (BIO 191, 2015-present, every other fall): 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.

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

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

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

- ***Zoology Instructor*** (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.

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

- ***Marine Biology Instructor*** (25 students per section, 2 sections annually): Provided intensive instruction on marine ecology during residential program on Maine coast.

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

- ***Teaching Faculty in Residence*** (Student body = 180): Supervised animal care of 140 exotic and native animals (seven endangered species) at an AZA-accredited zoo.

**MENTORING OF UNDERGRADUATES IN RESEARCH:** (research advisor for 86 students)

**Mills College (2012-present, 68 undergraduates)**

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)

Tess Waxman (B.A. in Public Health Equity, Mills College – Expected 2022)

Jada Baldoza (B.A. in Biochemistry, 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)

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)

**MENTORING OF UNDERGRADUATES IN RESEARCH:** (continued)

**Mills College (continued)**

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)

**MENTORING OF GRADUATES RESEARCH:** (Mills is undergraduate only)

**UC-Davis Co-Advisor/Dissertation Committee (2018-present)**

Chelsea Ortiz (Ph.D. Student/NSF Fellow, Sih Lab, Animal Behavior Group – Expected 2024)

**UC-Berkeley Dissertation Committee (2019-present)**

Erin Person (Ph.D. Student, Lacey Lab, Integrative Biology – Expected 2024)

**UCLA Dissertation Committee (2018-present)**

Amanda Robin (Ph.D. Student/NSF Fellow, Dept. of Ecology and Evolutionary Biology – Expected 2022)

## **GRANTS RECEIVED BY MY STUDENTS TO SUPPORT OUR RESEARCH**

### ***National Science Foundation***

- Graduate Research Fellowship, Chelsea Ortiz (2018-2021, \$138,000; co-advisor = Andy Sih)

### ***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***

- 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:***

Gray Adams (2020, \$4,000 + housing)	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 (2019 & '20, \$8,000 + housing)	Kianna von 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 (2015 & 2016, \$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 (2014 & '15, \$6,400/2yrs + housing)	Minnie Vo (2013 & '14, \$8,000/2yrs + housing)
Imani Russell (2013, \$4,000 + housing)	Valeska Muñoz (2013 & '14, \$8,000 + housing)
Lauren Kong (2013, \$3,200 + housing)	Kate Lee Newcomb (2013 & '14, \$8,000 + housing)

### ***National Science Foundation (NSF) Research Experience for Undergraduates (REU) Fellow:***

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

### ***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)
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## **FOSTERING SUCCESS AMONG JUNIOR SCIENTISTS**

- 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.
- 2017, *Presenter*, [Bay Area Science Festival](#)  
Collaborated with members of my lab to award Wildlife Ambassador Certificates to 100s of Bay Area youth who completed 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)
- 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)
- 2013, *Presenter*, Professional Development Course, University of California Davis  
Mentored postdoctoral scholars and graduating students about navigating the job search.
- 2009-present, *Honoraria Committee Member*, American Society of Mammalogists  
Recognize undergraduate and graduate students for excellence in mammalogy research.
- 2010, *Undergraduate Research and Arts Forum Judge*, College of Natural Science, MSU  
Evaluated explanations and significance of undergraduate 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.

## **COMMUNICATING SCIENCE THROUGH MEDIA & PUBLIC OUTREACH**

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)

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 air date: May 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)

**COMMUNICATING SCIENCE THROUGH MEDIA & PUBLIC OUTREACH** (continued)

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)

RBC News: "[Powerful female hyenas say 'hello' with their genitals](#)"

**COMMUNICATING SCIENCE THROUGH MEDIA & PUBLIC OUTREACH** (continued)

**Mills Quarterly (Fall Issue): "Science in the Wild: Team squirrel takes the field"**

by Susan McCarthy (Cover story: September 2014) [PDF](#)

**2014, Biologist, Community Meetings hosted by City of Berkeley.**

Offered unpaid insights at community meetings about non-lethal approaches for managing California ground squirrels at a local landfill at Cesar Chavez Park, City of Berkeley

**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.

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.

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 \(IBCSR\)](#).

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.

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.

2009, 2010, *Darwin Discovery Day Presenter*, MSU Museum of Natural History

On Charles Darwin's birthday, educated the public about evolutionary biology.

### **COMMUNICATING SCIENCE THROUGH MEDIA & PUBLIC OUTREACH** (continued)

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.

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

1997-1998, *Environmental Educator*, Colby College, Maine.

Educated middle school students about the natural world and the value of its conservation.

#### **Our research was 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

### **PROMOTING WOMEN & DIVERSITY IN SCIENCE**

2019, 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.

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.

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.

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.

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.

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.

## **ACADEMIC SERVICE**

### **MILLS COLLEGE:**

#### **College-wide Committees (Elected & Appointed)**

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)

#### ***Division Service***

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***

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 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***

Research Opportunities in Science, Hellman Program, Mills College (2017, 2018, 2019)  
Admissions Events and Preview Days (2013-ongoing; ~2 talks and/or events per year)  
Experience Mills Day (Fall 2012—ongoing, annual participation)  
Co-organizer, Annual Russell Women in Science Lecture (RWIS; 2013-2017)

Mills ["It's a wrap"](#) video by Sarah Nash about student opportunities, including research (2019)  
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)

## **ACADEMIC SERVICE** (continued)

### **EXTERNAL DISSERTATION COMMITTEE SERVICE:**

2018-present, Dissertation Committee of Chelsea Ortiz, Animal Behavior Group, UC-Davis

2019-present, Dissertation Committee of Amanda Robin, Ecology and Evolution, UCLA

2019-present, Dissertation Committee of Erin Person, Integrative Biology, UC-Berkeley

### **UCLA & MICHIGAN STATE UNIVERISTY:** (institutions prior to Mills College)

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.

## **PROFESSIONAL AFFILIATIONS**

American Society of Mammalogists

Animal Behavior Society

Association for Women in Science

International Society of Behavioral Ecology

Human Behavior and Evolution Society

*Phi Beta Kappa*

Society for Integrative and Comparative Biology

*Sigma Xi*

## **AD HOC REVIEWER**

### **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)

### **Journals (Total = 60 articles)**

African Journal of Ecology (2)

Australian Journal of Zoology

Behavioral Ecology (5)

Biological Conservation

Biology Letters

Current Zoology (6)

Ethology (5)

Evolution

Journal of Comparative Psychology

Journal of Animal Ecology

Leadership Quarterly (2)

Mammalian Biology

*Oecologia*

Psychoneuroendocrinology

PLOS ONE (2)

Proceedings of the Royal Society B

Animal Behaviour (11)

Behaviour (2)

Behavioral Ecology & Sociobiology (10)

Biological Invasions

Canadian Journal of Zoology

Ecology and Evolution (2)

European Journal of Wildlife Research

Journal of Ethology (2)

Journal of Exp. Marine Biology & Ecology

Journal of Mammalogy (4)

Molecular Ecology (2)

*Naturwissenschaften*

*Oikos*

Physiology & Behavior

PLOS Computational Biology

Wilson Journal of Ornithology

**Books:** Carnivore Minds, Animal Social Networks, and The Social Life of Geese