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CURRENT/RECENT POSITIONS

Full Professor, Department of Computer Science, Mathematics & Environmental Science,
The American University of Paris, France, August 2023 – Present

Associate Professor, Department of Computer Science, Mathematics & Environmental Science,
The American University of Paris, France, August 2017 – July 2023

Assistant Professor, Department of Computer Science, Mathematics & Environmental Science,
The American University of Paris, France, January 2014 – July 2017

Senior Research Fellow, Center for Tropical Research, University of California, Los Angeles
October 2006 – Present

EDUCATION

Ph.D., Animal Behavior, University of California, Davis. GPA: 4.0. June 2004.
Fully funded through numerous grants, scholarships, and teaching assistantships
Dissertation: Parentage, Kinship, and Group Structure in the White-throated Magpie-Jay (*Calocitta formosa*), a Cooperative Breeder with Female Helpers.
Advisor: Dr. John Eadie

Master of Philosophy, Biological Anthropology, University of Cambridge, England. September 1996.
Recipient of 1995 British Marshall Fellowship
Thesis: Patterns of Rank-related Mating Success and Female Choice in Baboons and Macaques.
Advisor: Dr. Phyllis Lee

Bachelor of Arts, Anthropology and College Scholar (interdisciplinary independent major), Cornell University, Ithaca, NY. GPA 3.9. May 1995.
Junior Year Abroad, University of Hamburg, Germany. 1993-1994.

TEACHING & RESEARCH INTERESTS

- Teaching interests include animal behavior, evolutionary biology, environmental science, drinking water and the environmental impact of the bottled water industry, human evolution, evolution of human sexuality, evolutionary medicine, history of science, science writing and communication.
- Areas of research specialization include ecological correlates of cooperative breeding and brood parasitism, molecular analysis of parentage and kinship, population genetic structure of songbirds, evolution of eggshell color and speckling, sexual conflict, evolution of ageing, effects of climate change on the behavior and evolution of seed beetles, human taste preferences and the environmental impact of bottled water industry.

ACADEMIC RESEARCH AND EMPLOYMENT HISTORY

Postdoctoral Research Fellow, Department of Animal Ecology, Uppsala University, Sweden
September 2010 – December 2013
Investigated sexual conflict over reproductive investment and lifespan in the seed beetle, *Callosobruchus maculatus*. Dr. Alexei Maklakov, Uppsala University.

Coordinator, Graduate Program in Evolution, Ecology & Systematics, LMU Munich, Germany
September 2009 – September 2010
In charge of development and maintenance of graduate program, including: evaluation of Master's applicants, advertisement and outreach, website development, teaching of writing courses, development of new courses and activities, budget management, organization of conferences and summer schools and departmental seminar series, organization and participation in committee meetings, development of Ph.D. program, mentorship of students, maintenance of online course catalog, production of transcripts and diplomas, communication with central administration, grant writing. Part-time coordinator of a new international Master's program, Erasmus Mundus Master in Evolutionary Biology (MEME), a collaboration between the LMU and the Universities of Groningen (Netherlands), Uppsala (Sweden), Montpellier (France), and Harvard (USA).

Postdoctoral Research Fellow, Center for Tropical Research, UCLA
September – December 2008
Investigated the population genetic structure of northern and southern California populations of the tricolored blackbird (*Agelaius tricolor*), a California Species of Special Concern. Conducted microsatellite and DNA sequencing analysis, presented results to the Tricolored Blackbird Working Group, and filed final report with state conservation organizations. Dr. Thomas B. Smith, UCLA.

Postdoctoral Research Fellow, Department of Biology, Portland State University
February 2008 – June 2009
Supervised graduate students and participated in a long-term study of the social and reproductive behavior of eastern kingbirds (*Tyrannus tyrannus*) at Malheur National Wildlife Refuge, Oregon. Dr. Michael Murphy, Portland State University.

Postdoctoral Researcher, UNSW Arid Zone Research Station, Fowlers Gap, Australia
July – November 2007
Conducted field research on the behavioral ecology of the cooperatively breeding chestnut-crowned babbler (*Pomatostomus ruficeps*). Principal investigator on study of eggshell polymorphism. Dr. Andrew Russell, University of Sheffield, England & Macquarie University, Australia.

Postdoctoral Research Fellow, Dept of Organismic & Evolutionary Biology, Harvard University
October 2006 – October 2008
Ongoing investigation of the evolution of cooperative breeding behavior in the New World jays using phylogenetic analysis and the comparative method. Dr. Scott Edwards, Harvard University.

Postdoctoral Research Fellow, Center for Tropical Research, UCLA
October 2004 – October 2006
Investigated population genetic structure and connectivity of Neotropical migrant birds using mitochondrial DNA sequencing, microsatellites, and amplified fragment length polymorphisms (AFLPs). Target species included the Nashville warbler (*Vermivora ruficapilla*), yellow-breasted chat (*Icteria virens*), yellow warbler (*Dendroica petechia*), common yellowthroat (*Geothlypis trichas*), black-headed grosbeak (*Pheucticus melanocephalus*), and tricolored blackbird. Conducted research on eggshell polymorphism in the Mexican jay (*Aphelocoma ultramarina*) in Coahuila, Mexico. Dr. Thomas Smith, UCLA.

Doctoral Researcher, Guanacaste Conservation Area, Costa Rica, and UC Davis, CA

June 1999 – June 2004

Conducted field and laboratory study on reproductive behavior and group structure in the cooperatively breeding white-throated magpie-jay (*Calocitta formosa*). Behavioral and ecological data collected at the Santa Rosa sector of the Guanacaste Conservation Area, Costa Rica. At UC Davis, conducted DNA analysis of parentage and genetic relatedness using DNA microsatellite markers. Dr. John Eadie, Department of Wildlife, Fish, and Conservation Biology, UC Davis.

Project Leader, Putah Creek Reserve, Davis, CA

March – June 2003

Project leader for North American wood duck (*Aix sponsa*) monitoring program in greater Davis and Winters area. Supervised four field crews and trained 12 undergraduate interns to monitor over 100 boxes, measure eggs, and band hens. Dr. John Eadie, UC Davis.

Project Leader, University Research Expeditions Program, Santa Rosa, Costa Rica

June – July 2000.

Coordinated the activities of two groups of volunteers, mostly school teachers, who assisted in data collection for my Ph.D. project. Responsible for all details of their stay in Costa Rica.

Researcher and Project Coordinator, Putah Creek Reserve, Russell Ranch, Davis

March – July 1998, February – July 1999

Conducted two-year study of the sensory bases of alternative reproductive tactics in the wood duck; erected 40 nest boxes; collected data on female nest site preferences, egg-laying patterns, and brood survival; banded hens and ducklings; trained undergraduate interns. Dr. John Eadie, UC Davis.

Field Assistant, Wicken Fen, Cambridgeshire, England

May – July 1997

Conducted field research on the responses of reed warblers (*Acrocephalus scirpaceus*) to interspecific brood parasitism by the cuckoo (*Cuculus canorus*). Professor Nick Davies and Dr. David Noble, Department of Zoology, University of Cambridge.

Researcher, Hatzeva Research and Development Center, Shezaf Nature Reserve, Israel

October – December 1996

Conducted three-month field study on the cooperative vigilance behaviors of the Arabian babbler (*Turdoides squamiceps*). Dr. Jonathan Wright, Prof. Nick Davies, University of Cambridge.

Research Assistant, Department of Neurobiology and Behavior, Cornell University

June – August 1995

Set up and began data collection for four behavioral studies on three colonies of naked mole rats (*Heterocephalus glaber*). Dr. Paul Sherman, Department of Neurobiology and Behavior.

Field assistant, Ranomafana National Park, Madagascar

July – August 1994

Collected behavioral data on three groups of Milne-Edwards sifakas (*Propithecus diademi edwardsi*). Dr. Patricia Wright, SUNY Stony Brook, New York.

Research Assistant, Zoologisches Institut, Universität Hamburg, Germany

May – July 1994

Carried out laboratory experiments on female choice in swordtail fish (*Xiphophorus helleri*). Dr. Dierk Franck, Universität Hamburg.

Student and Researcher, The School for Field Studies, Barbados

June – July 1993

Participated in field course on Primate Ecology and Conservation (Grade: A). Thesis: Behavioral differences among green monkeys (*Cercopithecus aethiops sabaues*) in three different habitats within and around the Barbados Wildlife Reserve. Dr. Diane Chepko-Sade and Dr. Ron Swaisgood.

PEER-REVIEWED PUBLICATIONS

For full details on my publications and where they have been cited, see my [Google Scholar Citations page](#).

1. Ivimey-Cook, E., C. Piani, W. Hung*, and **E. C. Berg**. 2024. Genetic background and thermal regime influence adaptation to novel environmental in the seed beetle, *Callosobruchus maculatus*. *Journal of Evolutionary Biology* 37(1): 1-13. <https://doi.org/10.1093/jeb/voad009>
*AUP undergraduate student
2. **Berg, E. C.**, M. Mascha, and K. Capehart. 2022. Judging reliability at wine and water competitions. *Journal of Wine Economics* 17(4): 311-328. <https://doi.org/10.1017/jwe.2022.41>
3. Ivimey-Cook, E., S. Bricout, V. Candela*, A. A. Maklakov, and **E. C. Berg**. 2021. Inbreeding reduces fitness of seed beetles under thermal stress. *Journal of Evolutionary Biology* 34: 1386-1396. <https://doi.org/10.1111/jeb.13899>
*AUP undergraduate student
4. **Berg, E.C.** and J.M. Eadie. 2020. An experimental test of information use by wood ducks (*Aix sponsa*): external habitat cues, not social visual cues, influence initial nest site selection. *Behavioral Ecology and Sociobiology* 74 (122). <https://doi.org/10.1007/s00265-020-02904-2>
5. **Berg, E. C.**, M. I. Lind, S. Monahan*, S. Bricout, and A. A. Maklakov. 2019. Kin but less than kind: within-group male relatedness does not increase female fitness in seed beetles. *Proceedings of the Royal Society B* 286 (1910): 20191664. <https://doi.org/10.1098/rspb.2019.1664>
*AUP undergraduate student
6. Capehart, K. W & **E. C. Berg**, 2018. Fine water: a blind taste test. *Journal of Wine Economics*. 13(1): 20-40. <https://doi.org/10.1017/jwe.2017.50>
7. Langen, T. A. and **E. C. Berg**. 2016. What determines the timing and duration of the nesting season for a tropical dry forest bird, the White-throated Magpie-Jay *Calocitta formosa*? *The Wilson Journal of Ornithology* 128(1): 21-42.
8. Lind, M. I.*, **E. C. Berg***, G. Alavioon, and A. A. Maklakov. 2015. Evolution of differential maternal age effects on male and female offspring development and longevity. *Functional Ecology* 29: 104-110. doi: 10.1111/1365-2435.12308
*Joint first authorship
9. Berger, D.*, **E. C. Berg***, W. Widegren, G. Arnqvist, and A. A. Maklakov. 2014. Multivariate intralocus sexual conflict in seed beetles. *Evolution* 68: 3457-3569. doi: 10.1111/evo.12528
*Joint first authorship
10. **Berg, E. C.** and A. A. Maklakov. 2012. Sexes suffer from suboptimal lifespan because of genetic conflict in a seed beetle. *Proceedings of the Royal Society B* 279(1745): 4296-4302.
11. **Berg, E. C.**, R. A. Aldredge, A. T. Peterson, and J. E. McCormack. 2012. New phylogenetic information suggests both an increase and at least one loss of cooperative breeding during the evolutionary history of *Aphelocoma* jays. *Evolutionary Ecology* 26: 43-54.

12. McCormack, J. E. and **E. C. Berg**. 2010. Small-scale divergence in egg color along an elevation gradient in the Mexican jay (*Aphelocoma ultramarina*): A condition-dependent response? *The Auk* 127(1): 35-43.
13. **Berg, E. C.**, J. E. McCormack, and T. B. Smith. 2009. Test of an adaptive hypothesis for egg speckling along an elevational gradient in a population of Mexican jays (*Aphelocoma ultramarina*). *Journal of Avian Biology* 40(4): 448-452.
14. **Berg, E. C.**, J. M. Eadie, T. A. Langen, and A. F. Russell. 2009. Reverse sex-biased philopatry in a cooperative bird: genetic consequences and a social cause. *Molecular Ecology* 18: 3486-3499.
15. Ellis, J. M. S., T. A. Langen, and **E. C. Berg**. 2009. Signaling for food and sex? Begging by reproductive female white-throated magpie-jays. *Animal Behaviour* 78: 615-623.
16. Roy, C., J. M. Eadie, E. M. Schaubert, N. S. Odell, **E. C. Berg**, and T. Moore. 2009. Public information and conspecific nest parasitism in wood ducks: does nest density influence quality of information? *Animal Behaviour* 77(6): 1367-1373.
17. **Berg, E. C.** and D. A. Williams. 2007 (invited submission). Studying individual interactions and direct fitness benefits in wild birds: history and practice. *Behavioural Processes* 76(2): 163-166.
18. **Berg, E. C.** 2005. Parentage and reproductive success in the white-throated magpie-jay (*Calocitta formosa*), a cooperative breeder with female helpers. *Animal Behaviour* 70: 375-385.
19. **Berg, E. C.** 2004. A test of sex ratio biasing in the white-throated magpie-jay, a cooperative breeder with female helpers. *The Condor* 106: 299-308.
20. Williams, D. A., **E. C. Berg**, A. M. Hale, and C. R. Hughes. 2004. Characterization of microsatellites for parentage studies of white-throated magpie-jays (*Calocitta formosa*) and brown jays (*Cyanocorax morio*). *Molecular Ecology Notes* 4(3): 509-511.
21. Wright, J., **E. Berg**, S. R. DeKort, V. Khazin, and A. A. Maklakov. 2001a. Safe selfish sentinels in a cooperative bird. *Journal of Animal Ecology* 70(6): 1070-1079.
22. Wright, J., **E. Berg**, S. R. DeKort, V. Khazin, and A. A. Maklakov. 2001b. Cooperative sentinel behaviour in the Arabian babbler. *Animal Behaviour* 62(5): 973-979.

PUBLISHED REPORTS

23. **Berg, E. C.**, J. P. Pollinger, and T. B. Smith. 2010. Population structure of the Tricolored Blackbird (*Agelaius tricolor*) in California: are northern and southern populations genetically distinct? California Department of Fish and Game, Nongame Wildlife Program Report 2010-05 and Audubon California, Sacramento, CA. 25 pp.

ENCYCLOPEDIA ENTRY

24. **Berg, E. C.** and R. W. Van Buskirk. 2010 (invited submission). Intraspecific Behavior. In: *The Encyclopedia of Applied Animal Behaviour & Welfare* (D. Mills, ed.). CAB International Publishing: Wallingford, UK.

PUBLISHED TRANSLATIONS

25. Matto de Turner, C. 1995. Francisca Zubiaga de Gamarra. Translated by M. G. Berg. and **E. C. Berg**. In: *Rereading the Spanish American Essay: Translations of 19th and 20th Century Women's Essays* (D. Meyer, ed.). University of Texas Press: Austin, TX: 82-89.
26. Matto de Turner, C. 1995. The Woman Worker and the Woman. Translated by M. G. Berg. and **E. C. Berg**. In: *Rereading the Spanish American Essay: Translations of 19th and 20th Century Women's Essays* (D. Meyer, ed.). University of Texas Press: Austin, TX: 90-98.

This set of translations was a wonderful collaboration between me and my mother Dr. Mary Berg, a writer and translator of Latin American women's fiction who is currently a Resident Scholar at Brandeis University. My mother translated the essays from Spanish into English, and I reworked the prose in English.

POPULAR SCIENCE PODCAST SERIES:

Berg, E. C. and C. Marchese. Spring 2024. 10-episode podcast series entitled "[Something in the Water.](#)" Written by Elena Berg and Clark Marchese (AUP alum), hosted by Elena Berg, and produced by Clark Marchese. Supported by funding from AUP's Center for Media, Communication, and Global Change. Published by Clark's production company, [Pine Forest Media.](#)

This series introduces the fine water industry, investigates the drinking water landscapes in countries around the world, and unpacks the complex relationship between bottled water and sustainability.

Berg, E. C. and M. Mascha. Fall 2020. 9-episode podcast series entitled "Water is Not Just Water." Published on the [Fine Water Society's website](#) as well as on [AUPVideos.](#)

During the confinement period of the pandemic, fellow water sommelier Michael Mascha and I wrote and produced a 9-part multi-hour zoomcast series in which we explored the symbolic importance of water, the environmental impact of the bottled water industry, and the potential of small water companies to act as environmental stewards. The podcast is described in more detail on AUP's News & Events site [here](#) and on the Center's site [here](#).

PRESENTATIONS AT INTERNATIONAL ACADEMIC CONFERENCES

Berg, E. C., M. Mascha, and K. Capehart. "Judging reliability at wine and water competitions." European Association of Wine Economists, 29 May. 2023, Chania, Crete (presentation by Kevin Capehart).

Gima, J., A. Armstrong, **E. C. Berg**, Nadine Aboulmagd, Antonio Lopez. "EcoJustice OER repository." Project Incubator, AMICAL Consortium, 25 May. 2023, Ifrane, Morocco.

Piani, C, **E. C. Berg**, and W. Hung*. "[Adaptation of seed beetles to fluctuating temperatures.](#)" Poster presentation given at the European Geosciences Union meeting in Vienna, Austria, in April 2019. *Geophysical Research Abstracts*, Vol. 21.

*AUP undergraduate student

Berg, E. C., M. Lind, S. Monahan*, S. Bricout, and A. Maklakov. "Kin selection and sexual conflict in seed beetles." Talk given at the joint meeting of the Animal Behavior Society and International Ethological Congress in Chicago, Illinois, in July 2019.

*AUP undergraduate student

Berg, E. C., W. Hung*, and C. Piani. Adaptation of seed beetles to fluctuating temperatures. Poster given at the 2nd Joint Congress on Evolutionary Biology, Montpellier, France, August 2018.

*AUP undergraduate student

Capehart, K. W, **E. C. Berg.** Fine water: a taste test. Co-author on talk given at the 12th annual conference of the American Association of Wine Economists, Cornell University, Ithaca, NY, June 2018 (presentation by Kevin Capehart).

Berg, E. C., S. Monahan*, & A.A. Maklakov. Kin selection and sexual conflict in seed beetles. Talk given at the meeting of the International Society for Behavioral Ecology, University of Exeter, UK, July 2016.

*AUP undergraduate student

Berg, E. C., D. Berger, G. Arnqvist, & A. A. Maklakov. Multivariate intralocus sexual conflict in seed beetles. Talk given at the meeting of the International Society for Behavioral Ecology, New York City, New York, August 2014.

Berg, E. C., D. Berger, G. Arnqvist, & A. A. Maklakov. Evolution of metabolism, behavior and body size in response to sex-specific selection on lifespan. Talk given at a conference within the Animal Ecology Department, Uppsala University, February 2013 and at the meeting of the Society for the Study of Evolution, Snowbird, Utah, June 2013.

Berg, E. C. & A. A. Maklakov. Sexes suffer from suboptimal lifespan because of genetic conflict in a seed beetle. Talk given at the meeting of the International Society for Behavioral Ecology, Lund, Sweden, August 2012.

Berg, E. C. & A. A. Maklakov. Intralocus sexual conflict leads to suboptimal lifespan in the seed beetle. Talk given at the meeting of the Society for the Study of Evolution, June 2011 and at the Department of Animal Ecology, Uppsala University, February 2011 (received award for “best talk given by a postdoc”). Poster presented at the meeting of the European Society for Evolutionary Biology, August 2011.

Berg, E. C. and A. F. Russell. Is there an adaptive explanation for egg color and patterning in birds? Talk given at the meeting of the International Society for Behavioral Ecology, Cornell University, August 2008.

Berg, E. C., J. E. McCormack, T. B. Smith. Variation in Mexican jay egg color and speckling along an elevation gradient in the Sierra del Carmen, Coahuila, Mexico. Poster presented at the North American Ornithological Congress, Veracruz, Mexico, October 2006.

Berg, E. C. Evaluating the effectiveness of AFLP analysis for linking breeding and wintering populations of migratory songbirds. Talk given at the American Ornithologists’ Union meeting, Santa Barbara, August 2005.

Berg, E. C. Reproductive options in the white-throated magpie-jay, a cooperative breeder with female helpers. Awarded honorable mention in the Warner Clyde Allee session of the Animal Behavior Society meeting, Oaxaca, Mexico, June 2004. Talk given at the meeting of the Society for the Study of Evolution, Fairbanks, AK, June 2005.

Berg, E. C. Cooperation and parasitism in the white-throated magpie-jay: helpers (sometimes) do more than help. Talk given at the meeting of the International Society for Behavioral Ecology, Jyväskylä, Finland, July 2004.

Berg, E. C. A test of sex ratio biasing in the white-throated magpie-jay. Poster presented at the Animal Behavior Society and American Ornithologists’ Union meetings, July 2003 and August 2003.

INVITED TALKS

Berg, E. C. A brief history of drinking. Invited speaker at the Taste and Design Awards, Fine Water Society, 28 April 2024, San Sebastián, Spain.

Berg, E. C. Water and the environment: human right and epicurean delight. Invited speaker at the Taste and Design Awards, Fine Water Society, 27 April 2023, Athens, Greece.

Berg, E. C. Cooperation and conflict in social animals: from birds to beetles. Invited speaker at the American University of Paris, France, March 2013.

Berg, E. C. Population genetic structure of tricolored blackbirds. Talks given to members of the Tricolored Blackbird Working Group in Sacramento, September 2008, and San Bernardino County Museum, December 2008.

Berg, E. C. Reproductive options in the white-throated magpie-jay, a cooperative breeder with female helpers. Invited speaker for: Department of Neurobiology and Behavior, Cornell University, September 2003; U Penn Departments of Biology and Psychology, January 2004; Animal Behavior Graduate Group seminar series, UC Davis, May 2004; Center for Tropical Research, UCLA, September 2004; Department of Biology, University of Laval, Quebec, Canada, March 2005; Department of Biology, CSU Long Beach, April 2005; Department of Biology, Arizona State University West, June 2005; Department of Biology, CSU Northridge, October 2005; Department of Biology, Texas A&M Corpus Christi, January 2006; Department of Biology, Rowan University, February 2006; Department of Biology, Appalachian State University, February 2006; Department of Biology, Ohio State University, February 2006; Department of Organismic and Evolutionary Biology, Harvard University, November 2006, Portland State University, January 2009, Max Planck Institute for Ornithology, Seewiesen, Germany, September 2009.

Berg, E. C. Cooperative breeding in birds: why help? Invited speaker for seminar on “The Challenge of Cooperation: From Bacteria to Humans”, sponsored by the Department of Environmental Science and Policy, UC Davis, May 2004.

Berg, E. C. Delayed dispersal and helping-at-the-nest: Population consequences of cooperative breeding in birds. Talk given at international workshop on “Population Consequences of Individual Behavior” sponsored by NSF Research Training Group in Animal Behavior. UC Davis, April 1998.

RESEARCH GRANTS

- AUP Faculty Development Grants, 2014-2023
- Grant from AUP Center for Media, Communication, and Global Change, 2023
- 2020-2022 Co-PI on research grant from the Richard Lounsbery Foundation
- Research grant from Swedish Stiftelsen för Zoologisk Forskning, Uppsala University, 2010, 2011, 2012
- Volkswagen Foundation grant to run symposium in evolutionary biology in May 2010
- Funding from Audubon Society and the California Department of Fish and Game for study of population structure in the tricolored blackbird (*Agelaius tricolor*)
- American Philosophical Society Franklin Research Grant
- UCD Selma Herr Endowment Fund Research Grant
- National Science Foundation Dissertation Improvement Grant (PI: Dr. John Eadie)
- Chapman Memorial Fund Research Award
- Wilson Ornithological Society Louis Agassiz Fuertes Award
- Animal Behavior Society Student Research Grant
- American Ornithologists' Union Blake Award
- UC Davis & Humanities Graduate Research Award
- UC Davis Jastro-Shields Graduate Research Award
- UC Davis Center for Population Biology Research Award
- University Research Expeditions Program, University of California
- Sigma Xi Grants-in-Aid of Research
- UCD Travel Award for travel to academic meeting (ABS) 7/03
- Marcia Brady Tucker Travel Award for travel to AOU meeting 8/03
- NSF Research Training Group (RTG) in Animal Behavior, Travel Award

SCHOLARSHIPS AND FELLOWSHIPS

- Carl Tryggers Foundation Postdoctoral Fellowship (8/10-8/12)
- UCD Professors for the Future Fellow 10/03-6/04
- UC Davis Sherley Ashton Scholarship (stipend/fees and research)
- Phi Beta Kappa Graduate Scholarship
- UC Davis Center for Population Biology GRT award (stipend/fees for 2 quarters)
- UC Davis Internal Fellowship (stipend/fees for 5 quarters)
- UC Davis DBS Summer Research Fellowship (2 summers)
- UC Davis Center for Population Biology ARCS Scholarship
- NSF Research Training Grant in Animal Behavior (stipend/fees for 2 quarters)
- NSF Research Training Grant in Animal Behavior Summer Fellowship
- UC Davis Tracy and Ruth Risdon Storer Scholarship
- UC Davis Tracy and Ruth Risdon Storer Non-Resident Tuition Fellowship (3 quarters)
- 1995 British Marshall Scholarship: Full-funding for two years, plus two travel and thesis-writing grants.

PEDAGOGICAL AWARDS AND GRANTS

- AUP Distinguished Teaching Award 2020
- Support from the AMICAL Consortium to attend AMICAL meetings in 2017, 2018, and 2023
- Part of a team of faculty, librarians, and instructional designers from several AMICAL institutions that was awarded a grant from the [Scholarly Communication Institute](#) to create and curate open educational resources related to environmental justice.
- Awards from Mellon Foundation to support team taught courses
- Awards from Mellon Foundation to support new course development
- Award from Mellon Foundation to support laboratory research with students
- Mellon funding to attend Ken Bain's Best Teachers Institute in West Orange, NJ, June 2017
- International Scholar in Residence at Denison College in Spring 2017

TEACHING EXPERIENCE

Faculty, The American University of Paris, January 2014 – Present

Introductory-level science courses:

- SC1080 Animal Behavior (lecture and lab): Spring and Fall 2014, Spring and Fall 2015, Summer 2016, Spring 2017, Spring 2018, Fall 2018, Spring 2019, Spring 2022, Fall 2023
- SC1090 History of Life on Earth (lecture and lab): Fall 2016, Fall 2017
- SC1020 Environmental Science (lecture and lab): Spring 2015, Spring 2016, Summer and Fall 2017, Spring 2021, Fall 2022

Upper-level interdisciplinary science courses:

- GS/SC3087 Evolution of Human Sexuality: Spring 2022, Spring 2024
- CM/SC3091 Communicating Science: Fall 2021
- HI/SC2091 Why do we get sick? A medical history: Fall 2019
- SC2010 Contemporary Environmental Issues: Fall 2016, Spring 2019, Spring 2021, Fall 2022
- SC4075 Portfolio capstone for Environmental Studies: Spring 2018, Fall 2020

First year general education courses (FirstBridge):

- SC1099 Science of Sex (seminar plus co-taught reflective seminar): Fall 2021

- IDISC1091 Human Evolution and Motherhood (seminar plus co-taught reflective seminar): Fall 2018, Fall 2019, Fall 2020
- IDISC1091 Science and Human Origins (seminar plus co-taught reflective seminar): Spring 2018
- IDISC1091 On Being Human (co-taught lecture course): Spring 2016
- SC/HI1091 Science, Society and Human Origins (seminar course): Spring 2016

Plus various independent study courses, senior projects, or internships with individual students

Instructor, Ludwig-Maximilians University (LMU) Munich, October 2009 – March 2010

Course title: Grant Writing. Co-taught a semester-long course in scientific grant writing skills to second-year Master's students in Ecology, Evolution, and Systematics.

Instructor, LMU, Munich, January 2010 – February 2010

Course title: Scientific Writing. Co-taught a 6-week course in scientific writing skills to first-year Master's students in Ecology, Evolution, and Systematics.

Instructor, Harvard University, March 2007 and March 2009

Course title: Biology and Diversity of Birds. Helped organize and run two 10-day undergraduate field courses in Jalisco, Mexico. Dr. Scott Edwards, Harvard University.

Guest Lecturer, The American University of Paris, March 2013; California State University, Long Beach, December 2005; Appalachian State University, North Carolina, February 2006; Ohio State University at Lima, Ohio, March 2006; Pacific University, Oregon, February 2007.

Adjunct Faculty, Wildlands Studies, UC Santa Barbara, California, August 2001 – August 2004

Course title: Conservation and Biodiversity in Central America: The Costa Rica Project. Designed and ran an intensive undergraduate field course (for biology majors and non-majors) in remote regions of Guanacaste, Costa Rica. Four-week course offered in 2001, six-week course offered in 2004. Topics for lectures and field projects included: tropical ecology, conservation biology and policy, animal behavior. Crandall Bay, Wildlands Studies, Cazadero, CA.

Instructor, Center for Tropical Research, UCLA, March-June 2005

Course title: Readings in Conservation and Biocomplexity. Co-instructor of an undergraduate seminar on current topics in conservation. Assigned articles and guided discussions. Dr. Thomas Smith, UCLA.

Instructor/Fellow, Professors for the Future Program, UC Davis, October 2003 – June 2004.

One of twelve fellows in year-long competitive program designed to recognize and develop leadership and teaching skills of graduate students and post-docs. Directed by Associate Dean Mel Ramey, UC Davis Office of Graduate Studies. During Winter 2004, I coordinated a graduate seminar series on "Science Writing for the Public" and invited local scientists to share their experiences communicating with the public.

Dr. Alexander Harcourt (Department of Anthropology) and I presented a similar seminar series in Fall 1999 and Fall 2002. Focus of 1999 seminar was on reading academic and popular pieces and interacting with numerous invited speakers. Second seminar was a writing workshop with emphasis on lay adult and child audiences. Submitted articles to the local newspaper, *The Davis Enterprise*.

Participant, Seminar in College Teaching, Teaching Resources Center, UC Davis, Fall 2003.

Received three months of intensive training in course design and management, communications strategies, and student diversity. Contributed to on-line discussion boards, compared and discussed teaching methodologies, and designed course syllabus.

Participant, Media Training Workshop, UC Davis News Service, January 2004

Participated in all-day workshop on strategies for effective communication with news media. Examined methods of print and broadcast journalists, and practiced techniques through a series of exercises including critiqued on-camera interviews.

Teaching Assistant, Public Service Research Program, UC Davis, October-December 1999.

Course: Putah Creek Explorations, taught by Dr. Joyce Gutstein. Coordinator of undergraduate internship program in which students designed and implemented science outreach projects for local grade school and middle school children. Emphasis on hands-on, inquiry-based pedagogies.

Teaching Assistant, Department of Anthropology, UC Davis, October-December 1998.

Course: ANT 154A: Evolution of Primate Behavior, taught by Dr. Alexander Harcourt. Designed and led four one-hour discussion sections (total of 50 students), held office hours each week, graded research papers.

Teaching Assistant, Department of Neurobiology, Physiology, and Behavior, UC Davis, Spring 1998.

Course: NPB 102: Animal Behavior, taught by Dr. Nicola Clayton. Held office hours each week, helped design course materials, set up for lectures, graded writing assignments and exams.

Teaching Assistant, Department of Anthropology, UC Davis, October-December 1997.

Course: ANT 1: Introduction to Biological Anthropology, taught by Dr. Lynne Isbell. Led three 50-minute discussion/lab sections per week (20 students/section), held office hours each week, graded midterms and research papers, helped prepare labs and set up for lectures.

Supervisor, Department of Zoology, University of Cambridge, England, January-April 1997.

Course: Advanced Behavioural Ecology, taught by Professors Tim Clutton-Brock and Nick Davies. Met with final-year undergraduates, led discussions, assigned and graded student essays.

UNIVERSITY SERVICE (highlights)

- Chair of the Department of Computer Science, Mathematics, and Environmental Science (August 2022 – August 2026).
- Director (Aug 2018 – Present) and Co-director (2016 - 2018) of [AUP's Joy and Edward Frieman Environmental Science Center](#).
- Co-creator and Chair, AUP [Advisory Board on Environmental Sustainability \(ABES\)](#), Sept 2020 – Dec 2023, Member 2023 – Present.
- Chair, Science Search Committee, 2018-2019 and 2022-2023 academic years
- Faculty Fellow, AUP Teaching and Learning Center, Fall 2016 – May 2019 and ongoing participant and occasional organizer of TLC sessions
- Member of the President Search Committee, Summer 2021 – Spring 2022
- Member of the Provost Search Committee, Fall 2023 – Spring 2024.
- Member of the Teaching Award Committee, Spring 2021 and Spring 2022
- Member of Calendar Committee, 2023-2024
- Member of the AUP General Education Committee, Fall 2016 – May 2018
- Faculty advisor (usually between 13-15 students), 2016 – present
- Faculty advisor for intersectional feminist student club ReSisters, Fall 2021
- Faculty advisor for student club AUP Green, 2015, 2017 – 2019, Fall 2021, Fall 2022
- Member of the Sin-ming Shaw Committee (student writing award), Spring 2015 and 2016

- Member of AUP First Year Experiences Committee, 2016-2017
- Member of the Library Task Force, Fall 2015

PROFESSIONAL AFFILIATIONS

International Society for Behavioral Ecology (ISBE)
Society for the Study of Evolution (SSE)
European Society for Evolutionary Biology (ESEB)
American Ornithologists' Union (AOU)
Phi Beta Kappa National Honor Society
Phi Sigma National Honor Society, for students in the biological sciences
Phi Kappa Phi National Honor Society

CERTIFICATIONS

Mineral water sommelier – certified in 2020 by the Fine Water Academy, an online training program run by two water professionals. Acted as a judge at the Taste and Design Awards (international water competition) in [Bled, Slovenia, in 2021](#); [Los Angeles, California, in 2022](#); [Athens, Greece, in 2023](#); and [San Sebastián, Spain, in 2024](#).

WSET Level 1 and 2 Award in Wines

École des Vins (EVS) Certification en vins et spiritueux français de niveau 1 et 2
Diplôme de Compétence en Langue en Français Langue Etrangere, niveau B2