ELENA C. BERG

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CURRENT/RECENT POSITIONS

Associate Professor, Department of Computer Science, Mathematics & Environmental Science, The American University of Paris, France, August 2016 – Present

Assistant Professor, Department of Computer Science, Mathematics & Environmental Science, The American University of Paris, France, January 2014 – July 2016

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, 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.
- 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, the bottled water industry.

ACADEMIC RESEARCH AND EMPLOYMENT HISTORY

Postdoctoral Research Fellow, Department of Animal Ecology, Uppsala University
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

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), which is 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
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, 6/00-7/00.
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
February – July 1999, March – July 2008
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 sabaeus)* in three different habitats within and around the Barbados Wildlife Reserve. Dr. Diane Chepko-Sade and Dr. Ron Swaisgood.

PEER-REVIEWED PUBLICATIONS

Berg, E. C. and J. M. Eadie, in review. An experimental test of information use by North American wood ducks (*Aix sponsa*): external habitat cues, not social visual cues, influence initial nest-site selection. *Behavioral Ecology and Sociobiology*. Available on bioRxiv:
doi: https://doi.org/10.1101/2020.05.08.084012

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. doi:10.1098/rspb.2019.1664.

*AUP undergraduate student

Capehart, K. W & **E. C. Berg**, 2018. Fine water: a blind taste test. *Journal of Wine Economics*. 13(1): 20-40.

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.

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

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

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.

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.

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.

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.

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.

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.

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.

Roy, C., J. M. Eadie, E. M. Schauber, 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.

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.

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.

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.

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.

Wright, J., **E. Berg**, S. R. DeKort, V. Khazin, and A. A. Maklakov. 2001. Safe selfish sentinels in a cooperative bird. *Journal of Animal Ecology* 70(6): 1070-1079.

Wright, J., **E. Berg**, S. R. DeKort, V. Khazin, and A. A. Maklakov. 2001. Cooperative sentinel behaviour in the Arabian babbler. *Animal Behaviour* 62(5): 973-979.

PUBLISHED REPORTS

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

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

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.

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.

PRESENTATIONS AT INTERNATIONAL ACADEMIC CONFERENCES

Piani, Claudio, Elena Berg, and Wei-Tse Hung*. "Adaptation of seed beetles to fluctuating temperatures." Poster presentation given at the European Geosciences Union meeting in Vienna, Austria, in April 2019.
*AUP undergraduate student

Berg, Elena, Martin Lind, Shannon Monahan*, Sophie Bricout, and Alexei 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.

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, 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. 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

Research grant from the Richard Lounsbery Foundation, shared with the other AUP scientists
American University of Paris Faculty Development Grant, 2014-2020
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.

TEACHING AWARDS

- AUP Distinguished Teaching Award 2020
- Award from Mellon Foundation to support team teaching
- Award from Mellon Foundation to support new course development

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
- SC1090 History of Life on Earth (lecture and lab): Fall 2016, Fall 2017
- SC1020 Environmental Science (lecture): Spring 2015, Spring 2016, Summer and Fall 2017
- SC1020 Environmental Science (lab): Spring 2015, Spring 2016, Summer 2017

  I independently developed both SC1080 Animal Behavior and SC1090 History of Life on Earth.

Upper-level interdisciplinary science courses:

- HI/SC2091 Why do we get sick? A medical history: Fall 2019

  History professor Albert Wu and I received support from AUP's Mellon Foundation grant to develop this fully collaborative team-taught course. We designed and implemented the course together, and both of us attended all class sessions.

- SC2010 Contemporary Environmental Issues (in Fall 2016, was designated as a "Writing-intensive" seminar, offered with support from AUP's Writing Program): Fall 2016 and Spring 2019

  In this class, I ask my students to explore major environmental problems and identify specific solutions that they can apply locally, here at AUP. Students write grant proposals that I then help them find funding to implement. In Fall 2016, one of my students wrote a proposal to install drinking water fountains on campus, and this proposal was ultimately successful: AUP now has at least on drinking fountain in every one of its buildings. In Spring 2019, grant proposal topics included composting, reduction of plastic waste on campus, aquaponics, installation of small solar projects, and increased energy efficiency of AUP buildings – several of these projects are in the process of being implemented.

First year general education course (FirstBridge):

- IDISC1091 Human Evolution and Motherhood: Fall 2018, Fall 2019
- 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): Spring 2016

Independent study courses or senior projects with individual students:

- SC3900INPR Female age-specific lifespan and reproduction at high and low temperatures (with Beatrice-Anne Spencer): Summer 2019
- SC4095INPR Mutation load effects on seed beetle fertility (with Victoria Candela): Spring 2019
- SC3900INPR Explaining the pros and cons of renewable energy (with Jasmine John): Spring 2019
- SC3900INPR Preference for eye color in humans (with Beatrice Coetzer): Fall 2018
- SC4095INPR Adaptation of Seed Beetles to a Stressful Environment (with Tony Hung): Spring 2017
- SC3900INPR Impacts of Climate Change on Wild Populations (with Sam Schlang): Spring 2015
- HI3900INPR Evolution of Eugenics (with Shane McLorrain): Summer 2015
- SC3900INPR Kinship in Seed Beetles: Battle of the Sexes (with Shannon Monahan): Fall 2015

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.

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 by the Fine Water Academy, an online training program run by two water professionals.