

Patricia C. Lopes, Ph.D.

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EDUCATION AND RESEARCH EXPERIENCE

- Chapman University, Orange, CA, USA** Fall 2017 - Present
Assistant Professor of Biological Sciences
- University of Zurich, Switzerland** 2013 - 2017
Postdoctoral Research Associate
Projects: *Impact of sickness behaviors on social network dynamics and implications for disease transmission; Neuroendocrine control of female-female bonding in Mus musculus domesticus.*
Advisor: Prof. Barbara König
- University of California, Berkeley, USA** Jan 2009 - Dec 2012
Ph.D. in Integrative Biology
Thesis title: *Social modulation of sickness behavior and its neuroendocrine basis.*
Advisor: Prof. George E. Bentley; Committee: Lance Kriegsfeld, Tyrone Hayes, Eileen Lacey
- University of Porto, Portugal** 2008
Student of Graduate Program in Areas of Basic and Applied Biology.
- Gulbenkian Institute of Science, Portugal** 2007
Research Assistant
Project: *Experimental evolution in C. elegans in heterogeneous environments.*
Advisor: Prof. Sara Magalhães
- University of Coimbra, Portugal** 2001 - 2006
Licentiate degree in Biology (5-year degree, equivalent to an M.Sc.), with Distinction
Thesis: *Candidate genes of the serotonergic system in the etiopathogeny of suicide in the Portuguese population.*

GRANTS, FELLOWSHIPS AND AWARDS

- Robert Lochmiller New Investigator Award, Division of Ecoimmunology and Disease Ecology, Society for Integrative and Comparative Biology, 2022
- Chapman University Award in Mentorship of Undergraduate Research, 2021-2022
- Zymo Research Impact Initiative Grant, 2021 (USD 4,000)
- Chapman University Grant Writer's Bootcamp, 2020 (USD 4,000)
- Chapman University Faculty Opportunity Funds, 2018 and 2020 (2 x USD 15,000)
- Swiss National Science Foundation, 2017 (CHF 500,000) - role: sub awardee
- Investitionskredit, Infrastructure Grant, University of Zurich, 2015 (CHF 30,000)
- University of Zurich Campus Grant (Women in Science Group), 2015 (CHF 10,000)
- Georges and Antoine Claraz Stiftung, 2015 (CHF 2,300)
- Promotor Stiftung Award, 2013 (CHF 9,500)
- Doctoral Fellowship FCT, MCTES, 2008-2012 (EUR 137,480)
- Pinto Fialon Graduate Fellowships, 2009-2012 (USD 35,000)
- Summer Research Fellowship, UC Berkeley, 2011, 2012 (USD 5,400)
- Graduate Division Fellowship, UC Berkeley 2012 (USD 3,500)
- Grant in Aid of Research, Sigma Xi Berkeley, 2010 (USD 3,000)
- Resetko Summer Research Fellowship, UC Berkeley, 2010 (USD 3,000)
- Research Fellowship, Gulbenkian Institute for Science, 2007 (EUR 9,000)

PUBLICATIONS
* indicates
mentored students

1. **Patricia C. Lopes** et al. (2023) The social environment changes the neural response to an immune challenge. *Submitted to **Proceedings of the National Academy of Sciences***.
2. Yuko Ulrich, Greg Albery, **Patricia C. Lopes**, Sylvia Cremer, Sebastian Stockmeier (2022) Behavioural responses to parasites in different host social structures. *Accepted pending revision at **Functional Ecology***.
3. Brenna M.G. Gormally, **Patricia C. Lopes** (2022) The effect of infection risk on female blood transcriptomics. *Accepted at **General and Comparative Endocrinology***.
4. **Patricia C. Lopes** (2022) Anticipating infection: how parasitism risk changes animal physiology. **Functional Ecology**. *In press*.
5. **Patricia C. Lopes**, Susannah S. French, Douglas C. Woodhams and Sandra A. Binning (2022) Infection avoidance behaviors across vertebrate taxa: patterns, process, and future directions. In: Ezenwa VO, Altizer S, Hall RJ, editors. **Animal Behavior and Parasitism**. Oxford University Press, 2022. DOI: 10.1093/oso/9780192895561.003.0014
6. Brenna M. Gormally, Kaelynn Bridgette*, Aubrey Emmi*, Delilah Schuermann*, **Patricia C. Lopes** (2022) Female presence does not increase testosterone but still ameliorates sickness behaviors in male Japanese quail. **Royal Society Open Science** 9:220450. 220450.
7. **Patricia C. Lopes**, Brenna M. Gormally, Aubrey Emmi*, Delilah Schuermann*, Chathuni Liyanage*, Ursula K. Battie, Michael Romero (2022) Maternal responses in the face of infection risk. **Integrative and Comparative Biology** icac082.
8. **Patricia C. Lopes**, Susannah S. French, Douglas C. Woodhams and Sandra A. Binning (2021) Sickness behaviors across vertebrate taxa: proximate and ultimate mechanisms. **Journal of Experimental Biology** 224:jeb225847
9. **Patricia C. Lopes** and Robert de Bruijn (2021) Neurotranscriptomic changes associated with chick-directed parental care in adult non-reproductive Japanese quail. **Scientific Reports** 11:1-11
10. **Patricia C. Lopes** and Barbara König (2020) Wild mice with different social network sizes differ in brain gene expression. **BMC Genomics** 21:506
11. Robert de Bruijn, Edena Khoshaba*, Faith Holloway* and **Patricia C. Lopes** (2020) Baseline corticosterone is associated with parental care in virgin Japanese quail (*Coturnix japonica*). **Hormones and Behavior** 124:104781
12. **Patricia C. Lopes** (2020) We are not alone in trying to be alone. (2020) **Frontiers in Ecology and Evolution** 8:172
13. **Patricia C. Lopes**, Esther Carlitz, Morgan Kindel*, Barbara König (2020) Immune-endocrine links to gregariousness in wild house mice. **Frontiers in Behavioral Neuroscience** 14:10. #Invited contribution to Special Issue#
14. **Patricia C. Lopes** and Anna K. Lindholm (2020) A selfish genetic element linked to increased lifespan impacts metabolism in female house mice. **Journal of Experimental Biology** 223:jeb212704.
15. **Patricia C. Lopes**, Per Block, Alice Pontiggia*, Anna K. Lindholm, Barbara König (2018) No evidence for kin protection in the expression of sickness behaviors in house mice. **Scientific Reports** 8, 16682
16. Rebecca M. Calisi et al (**Patricia C. Lopes**). (2018) How to Tackle the Chilcare-Conference Conundrum **Proceedings of the National Academy of Sciences USA** 115 (12) 2845-2849
17. George E Bentley, Kathryn Wilsterman, Darcy K Ernst, Sharon E Lynn, Molly J Dickens, Rebecca M Calisi, Lance J Kriegsfeld, Daniela Kaufer, Anna C Geraghty, Dax viviD, Nicolette L McGuire,

- Patricia C Lopes**, Kazuyoshi Tsutsui. (2017) Neural Versus Gonadal GnIH: Are they Independent Systems? A Mini-Review. **Integrative and Comparative Biology** 57,1194–1203
18. Nicola Harrison*, **Patricia C. Lopes** and Barbara König (2017) Oxytocin administration during early pair formation delays communal breeding in female house mice. **Animal Behaviour** 123, 61-68
 19. **Patricia C. Lopes** (2017) Why are behavioral and immune traits linked? **Hormones and Behavior** 88, 52-59. #Invited contribution to Special Issue#
 20. **Patricia C. Lopes** (2016) LPS and neuroinflammation - a matter of timing. **Inflammopharmacology** 24(5), 291-293
 21. **Patricia C. Lopes**, Per Block and Barbara König (2016) Infection-induced behavioural changes reduce connectivity and the potential for disease spread in wild mice contact networks. **Scientific Reports** 6, 31790
 22. Nicola Harrison*, **Patricia C. Lopes**, and Barbara König (2016) Oxytocin and social preference in female house mice. **Ethology** 122: 571–581
 23. **Patricia C. Lopes** and Barbara König (2016) Choosing a healthy mate: sexually attractive traits as reliable indicators of current disease status in house mice. **Animal Behaviour** 111:119-126
 24. Barbara König, Anna K. Lindholm, **Patricia C. Lopes**, Akos Dobay, Sally Steinert and Frank J.U. Buschmann (2015) A system for automatic recording of social behavior in a free-living wild house mouse population. **Animal Biotelemetry** 3:39
 25. Mark S. Harvey, **Patricia C. Lopes**, Gregory R. Goldsmith, Ali Halajian, Mia Hillyer and Joel A. Huey (2015) A novel symbiotic relationship between sociable weaver birds (*Philetairus socius*) and a new cheliferid pseudoscorpion (Pseudoscorpiones: Cheliferidae) in southern Africa. **Invertebrate Systematics** 29(5):444-456
 26. **Patricia C. Lopes**. (2014) When is it socially acceptable to feel sick? **Proceedings of the Royal Society B** 281:20140218.
 27. **Patricia C. Lopes**, Dwight Springthorpe and George E. Bentley (2014) Increased activity correlates with reduced ability to mount immune defenses to endotoxin in zebra finches. **Journal of Experimental Zoology, Part A** 321A:422–431. #Cover Article#
 28. **Patricia C. Lopes**, Hilary Chan*, Sophie Demathieu*, Paulina Gonzalez-Gomez, John C. Wingfield and George E. Bentley (2013) The impact of exposure to a novel female on symptoms of infection and on the reproductive axis. **Neuroimmunomodulation** 20(6):348-360.
 29. **Patricia C. Lopes** (2012) Social modulation of sickness behavior and its neuroendocrine basis. Doctoral Dissertation, University of California, Berkeley, UMI Dissertation Publishing.
 30. **Patricia C. Lopes**, James Adelman, John C. Wingfield, George E. Bentley (2012) Social context modulates sickness behavior. **Behavioral Ecology and Sociobiology** 66(10):1421-1428.
 31. **Patricia C. Lopes**, John C. Wingfield, George E. Bentley (2012) Lipopolysaccharide injection induces rapid decrease of hypothalamic GnRH mRNA and peptide but does not affect GnIH in zebra finches. **Hormones and Behavior** 62(2):173-179.
 32. **Patricia C. Lopes**, Emília Santos, Elio Sucena, Sara Magalhães (2008) Rapid experimental evolution of pesticide resistance in *C. elegans* entails no costs and affects the mating system. **PLoS ONE** 3(11): e3741.

PUBLICATIONS
IN
PREPARATION
** indicates
mentored students*

1. Robert de Bruijn, Gregory R. Goldsmith, **Patricia C. Lopes** (2023) Chronic exposure to glucocorticoids impacts stable isotope ratios in Japanese quail (*Coturnix japonica*). *In preparation for Functional Ecology*.
2. Madeleine Chang* and **Patricia C. Lopes** (2023) Rapid changes to brain transcriptome in response to social isolation. *In preparation for BMC Genomics*.
3. Susannah French, Greg Demas, **Patricia C. Lopes** (2023) The future of ecoimmunology. *Invited commentary for Journal of Experimental Biology*.

POPULAR
SCIENCE
PUBLICATIONS

Patricia C. Lopes (2019) An Ode to Sex Hormones – What we do (and do not) know about being on the Pill. **Medium**. medium.com/@dr.pclopes/an-ode-to-sex-hormones-85b94dc1fac5

SELECTED
CONFERENCE
PROCEEDINGS
AND
PRESENTATIONS
** indicates
mentored students*

- Patricia C. Lopes** (2023) To be aware of danger before danger: the effects of disease risk on animal physiology. Society for Integrative and Comparative Biology Annual Meeting, Austin, TX.
- Patricia C. Lopes**, Josh J. Faber-Hammond, Chandler Siemonsma*, Sachin Patel*, Suzy C. P. Renn (2022) Using RNA-seq to understand why we feel sick. Animal Behavior Society Annual Meeting, San Jose, Costa Rica.
- Patricia C. Lopes** (2022) The social environment alters how the brain responds to an immune challenge. Int. Society for Evolution, Medicine, and Public Health Meeting, Lisbon, Portugal.
- Patricia C. Lopes** (2022) The social environment alters neural transcriptomic responses to an endotoxin challenge. Southern California Animal Behavior Meeting, Riverside, CA.
- Aubrey Emmi*, Delilah Schuerman*, Brenna M.G. Gormally, **Patricia C. Lopes** (2022) The impact of sickness on female *Coturnix japonica* behavior and egg investment. Society for Integrative and Comparative Biology Annual Meeting, Phoenix, AZ.
- Delilah Schuerman*, Aubrey Emmi*, Brenna M.G. Gormally, **Patricia C. Lopes** (2022) Assessing the impacts of a sick male on reproduction in female *Coturnix japonica*. Society for Integrative and Comparative Biology Annual Meeting, Phoenix, AZ.
- Patricia C. Lopes** (2021) How to avoid getting sick? Insights from vertebrates. Southwestern Meeting for Organismal Biologists, Orange, CA.
- Aubrey Emmi*, Delilah Schuerman*, Brenna M.G. Gormally, **Patricia C. Lopes** (2021) Evaluating the impacts of sickness on reproduction in female Japanese quail. Southwestern Meeting for Organismal Biologists, Orange, CA.
- Brenna M.G. Gormally, Kaelyn Bridgette*, Aubrey Emmi*, Delilah Schuerman*, **Patricia C. Lopes** (2021) Mating opportunities can reduce the expression of sickness behaviors in Japanese quail. Animal Behavior Society Annual Meeting. (Virtual due to COVID-19).
- Brenna M.G. Gormally, Kaelyn Bridgette*, Aubrey Emmi*, Delilah Schuerman*, **Patricia C. Lopes** (2021) Does testosterone modulate sickness behavior in Japanese quail? Society for Behavioral Neuroendocrinology Annual Meeting. (Virtual due to COVID-19).
- Patricia C Lopes** (2021) Feeling sick: when, why, and how. Society for Experimental Biology Conference. (Virtual due to COVID-19).
- Greg Goldsmith and **Patricia C Lopes** (2021) Developing a plan for managing dual-career relationships. Annual Meeting of the Ecological Society of America. (Virtual due to COVID-19).
- Aubrey Emmi*, Delilah Schuerman*, Brenna Gormally, **Patricia C. Lopes** (2021) Sickness behavior: What's T got to do with it? **Integrative and Comparative Biology**. 61, E1108-E1109
- Patricia C Lopes** (2020) Brain, behavior, and disease in a pandemic world. Society for Behavioral Neuroendocrinology Presidential Symposium Speaker. (Virtual due to COVID-19).

- Patricia C Lopes**, Barbara König (2020) The brain transcriptomic profiles of wild mice with extreme gregariousness phenotypes. Animal Behavior Society Meeting (Virtual due to COVID-19).
- Faith Holloway*, Robert de Bruijn, Edena Khoshaba*, **Patricia C. Lopes** (2020) Neurogenomic changes during the transition to parental care in virgin Japanese quail. **Integrative and Comparative Biology**. 60, E346-E346.
- Robert de Bruijn, Edena Khoshaba*, Faith Holloway*, **Patricia C. Lopes** (2020) HPA-axis functioning and parental care in Japanese quail. **Integrative and Comparative Biology**. 60, E308-E308.
- Patricia C Lopes**, Sachin Patel*, Faith Holloway*, Morgan Kindel*, Barbara König (2019) Use of RNA-seq to compare the brain transcriptome of wild mice with extreme gregariousness phenotypes. Society for Behavioral Neuroendocrinology Annual Meeting, Bloomington, IN.
- Morgan Kindel*, Barbara König, **Patricia C. Lopes** (2019) Can peripheral immunity of healthy animals affect social behavior? **Integrative and Comparative Biology**. 59, E348-E348.
- Patricia C. Lopes** (2019) Why do we feel sick when infected? **Integrative and Comparative Biology**. 59, E140-E140.
- Patricia C Lopes** (2015) Choosing a healthy mate: listen, do you smell something? Behaviour2015, Cairns, Australia.
- Patricia C. Lopes**, Barbara König (2015) What does the mouse say? USVs as an honest signal of current condition in house mice. **Integrative and Comparative Biology**. 55(Sup.1):E114.
- Nichole R. Johnston*, **Patricia C. Lopes**, Gregory R. Goldsmith, George E. Bentley, Todd E. Dawson (2013) Do prolonged elevations of corticosterone influence the stable isotope ratios of blood in zebra finches? **Integrative and Comparative Biology**. 53(Sup.1):E261.
- Hilary Chan*, Sophie L. Demathieu*, **Patricia C. Lopes**, Jesse S. Krause, George E. Bentley (2013) Neuroendocrine basis of cooperative breeding in the sociable weaver. **Integrative and Comparative Biology**. 53(Sup.1):E304.
- Patricia C Lopes** (2013) Socially-induced plasticity of sickness behaviours and its neuroendocrine basis. Association for the Study of Animal Behaviour Winter Conference, London, UK.
- Patricia C. Lopes**, Dwight Springthorpe, George E. Bentley (2013) Masking sickness in public results in costs for the magnitude of the immune response. Congress of the European Society for Evolutionary Biology, Lisbon, Portugal.
- Patricia C. Lopes**, Dwight Springthorpe, George E. Bentley (2013) Temporal dynamics of social modulation of sickness behaviours and associated impacts on immune defences. Behaviour 2013 - International Ethological Conference, NewcastleGateshead, UK.
- Patricia C. Lopes**, James Adelman, Hilary Chan*, Sophie L. Demathieu*, George E. Bentley (2012) Potential trade-off between recovery from infection and current reproductive opportunity: social effects on sickness behavior. **Integrative and Comparative Biology**. 52(Sup.1):E108.
- Patricia C. Lopes**, Hilary Chan, Sophie L. Demathieu, George E. Bentley (2012) Exposure to a novel female attenuates behavioral symptoms of infection and affects the HPG axis. Society for Behavioral Neuroendocrinology, Madison, Wisconsin, USA.
- Patricia C. Lopes**, James Adelman, George E. Bentley (2011) The impact of social context on sickness behavior. Behavior, the joint conference of the Animal Behavior Society and the International Ethological Conference, Bloomington, Indiana, USA.
- Patricia C. Lopes**, James Adelman, George E. Bentley (2011) Social context modulates sickness behavior. 8th Conference of European Ornithological Union, Riga, Latvia.
- Patricia C. Lopes**, George E. Bentley (2010) Neural Correlates of Sickness Behavior in Songbirds. International Ornithological Congress, Campos do Jordão, Brazil.

Patricia C. Lopes (2010) Doente, da cabeça às asas! (Sick, from head to wings!) in Annals of the XVII Summer Workshops of Cascais, Cascais City Hall.

Patricia C. Lopes, George E. Bentley (2010) Neural Pathways of Sickness Behavior in Songbirds. **Integrative and Comparative Biology**. 50(Sup.1):E260.

Patricia C. Lopes, Henrique N. P. Teotónio, Elio Sucena, Sara Magalhães (2007) Experimental evolution of resistance to nematicides in *C. elegans*. 11th Congress of the European Society for Evolutionary Biology, Uppsala, Sweden.

Patricia C. Lopes, Carla Fernandes, Beatriz Silva, Susana Tavares, Teresa Magalhães, Duarte Nuno Vieira, Alda Maria Ambrósio (2005) Association study between the SNPs T102C and His452Tyr of the 5-HT2A gene and suicide in the Portuguese population. 9th Annual Reunion of the Portuguese Society for Human Genetics, Cascais, Portugal.

Patricia C. Lopes, Carla Fernandes, Beatriz Silva, Susana Tavares, Teresa Magalhães, Duarte Nuno Vieira, Alda Maria Ambrósio (2005) Association between 5HTTLPR and suicide in the Portuguese population. IV National Congress of Legal Medicine, Portugal.

INVITED LECTURES

- Ecology and Evolution Seminar Series, University of Pittsburgh, March 2023
- Integrative Biology Seminar, University of California, Berkeley, October 2021
- Research Frontiers in Animal Behavior and Parasitism, University of Georgia, May 2021
- University of Texas Rio Grande Valley, Medical School, May 2021
- Virginia Tech University, April 2021
- Université de Montréal, March 2021
- New Mexico State University, October 2020
- University of Massachusetts Boston, September 2020
- Society for Experimental Biology Meeting, Prague, Czech Republic, July 2020 (postponed)
- UCLA, California, USA, October 2019
- Cal State University Dominguez-Hills, California, USA, November 2018
- University of Edinburgh, Scotland, June 2017
- University of Neuchâtel, Switzerland, June 2016
- Max Planck Institute of Ornithology, Radolfzell, Germany, March 2016
- Villanova University, USA, January 2016
- Recent Debates in Social Networks Research (class), ETH, Zurich, Switzerland, December 2015
- Trinity College, USA, November 2015
- University of North Carolina, Wilmington, USA, February 2015
- Salve Regina University, USA, February 2015
- Institute of Evolutionary Biology and Environmental Studies, Zurich, Switzerland, October 2014
- Max Planck Institute of Ornithology, Seewiesen, Germany, January 2014
- Edward Grey Institute for Ornithology, Oxford University, November 2012
- Animal Behavior Seminar, University of Zurich, November 2012
- FAS Center for Systems Biology, Harvard University, October 2012
- XVII Summer Workshops of Cascais, July 2010
- Berkeley and Davis Endocrinology Group, UC Davis, March 2010
- GABBA Program, Porto, December 2009
- Animal Behavior Seminar, UC Berkeley, April 2009

TEACHING EXPERIENCE

Lecturer (8 sections – 2 sections taught online), Introduction to Molecular and Cell Biology, Chapman University, 2017-2022

Lecturer for lab (2 sections) of Introduction to Mol. Cell Biol., Chapman University, 2018-2022

Lecturer (2 sections), Behavioral Neuroendocrinology, Chapman University, 2017 and 2021
Lecturer (3 sections), Reproductive Biology, Univ. Zurich, 2014-2016
Lecturer, Animal Behaviour, University of Zurich, 2014
Lecturer (3 sections), Project-Based Course in Animal Behaviour, Univ. Zurich, 2014-2016
Lecturer (4 sections), Frontiers in Animal Behaviour, Univ. Zurich, 2013-2016
Graduate Student Instructor, Animal Behavior, UC Berkeley, 2011
Invited lecturer, XVII Summer Workshops of Cascais, 2010
Graduate Student Instructor, Comparative Endocrinology, UC Berkeley, 2009

MENTORSHIP

Mentorship at Chapman

Postdoctoral - Dr. Brenna Gormally (now assistant professor at UC San Diego), Dr. Robert de Bruijn (now assistant professor at Tufts University)

Bachelors - Madeleine Chang, Biola Fatusin, Aubrey Emmi, Delilah Schuerman, Chathuni Liyanage, Kaelyn Bridgette, Mavis Lui, Edena Khoshaba, Tyler Calvert, Daniel Mejia, Jillian Fahey, Sachin Patel, Chandler Siemonsma, Enrique Brenes, Johnny Altwall, Dylan Arazatti, Morgan Grimes, Heidi Grimsby, Irene Kim, Faith Holloway '20 (now at Keck Graduate Institute Masters in Business and Science), Morgan Kindel '19 (now a graduate student at UPenn), Karlee Isham (now at Royal Veterinary School London)

Mentorship Prior to Chapman

Doctoral - Nicola Harrison

Master - Alice Pontiggia (currently a Ph.D. student at the University of Bern)

Bachelors - Hilary Chan (now medical resident at UCSF), Sophie Demathieu (Vet Degree UC Davis, 2019), Nichole Johnston (Yale Ph.D. 2020), Marine Drouilly (Univ. Cape Town Ph.D.), Christina Johnson, Alice Pontiggia, Gianna Petendi, Angela Herzen, Saskja Bühler

SERVICE AND VOLUNTARY WORK

Selected University Service

- Member of the Schmid College Diversity, Equity, and Inclusion Task Force, 2021-Present
- COVID-19 Faculty Excellence Task Force, 2020-2021
- Member of Neuroscience Minor Committee and Neuroscience Minor Council, 2019-Present
- Member of Academic Integrity Committee, 2019-2021
- Organizer of Science Forum, 2019-2021
- Member of Postdoctoral Fellows Search Committee, Grand Challenges Initiative, 2020
- Member of Faculty Search Committee, Biological Science, 2019

Service to the Scientific Community and to the Public

- Co-host of the Southwestern Meeting for Organismal Biologists at Chapman University, 2021
- Secretary for the Division of Ecoimmunology and Disease Ecology of SICB, 2021-2023
- Member of Diversity, Equity, and Inclusion Committee for Society for Behavioral Neuroendocrinology, 2019-Present
- Leader of CooPeerAction (women in science group at the Univ. Zurich), 2014 - 2015
- Organizer of workshop on Introduction to Social Network Analysis, Univ. Zurich, 2014
- Volunteer science mentoring of Orchard Garden 6th graders using online tools, 2014
- Participation in *Dinner with a Scientist* targeted at high school students of underrepresented minorities in Oakland, CA, USA, 2012
- Training of undergraduate students through *NSF-REU* program at UC Berkeley, 2011
- Invited lecturer for a scientific workshop targeted at the public (Cascais, Portugal), 2010
- Member of the *Women in Science* group at UC Berkeley, 2009 – 2012

	<ul style="list-style-type: none"> ▪ Invited reviewer for a variety of journals, including <i>Nature Molecular Psychiatry</i>, <i>Proceedings of the Royal Society B</i>, <i>Philosophical Transactions of the Royal Society of London B</i>, <i>Science</i>, <i>Biology Letters</i>, <i>Behavioral Ecology</i>, <i>Functional Ecology</i>, <i>Animal Behaviour</i>, <i>Developmental Psychobiology</i>, <i>Behaviour</i>, <i>The Quarterly Review of Biology</i>, <i>Bioscience</i>, <i>PeerJ</i> and <i>Journal of Experimental Biology</i>.
WORKSHOPS AND ADDITIONAL TRAINING	<ul style="list-style-type: none"> ▪ Institute for Excellence in Teaching and Learning Workshop. Orange, CA, USA, 2017 ▪ Backwards Course Design. Zürich, Switzerland, 2015 ▪ Social Network Analysis Workshop. Cairns, Australia, 2015 ▪ Non-Invasive Monitoring of Hormones. Berlin, Germany, 2013 ▪ The Evolution of Proximate Mechanisms for Behavioural and Life History Decisions. Arolla, Switzerland, 2013 ▪ Personal FELASA Category B, ID: LTK2106, 2013 ▪ Social Modulation of Hormones, Brain and Behavior – Integrating Mechanisms and Function. Oeiras, Portugal, 2009 ▪ 1st CABD Int. Course on Develop. Biol. and Funct. Genomics. Seville, Spain, 2008 ▪ European Science Foundation ConGen Program: Conservation Genetics and Fragmentation. Oeiras, Portugal, 2007
MEDIA ATTENTION	<ul style="list-style-type: none"> ▪ 2022 DailyMail ▪ 2020 The Smithsonian Magazine ▪ 2018 Inside Higher Ed, Quartz, EurekaAlert!, genomeweb, newswise, Moneyish, PLOS Blogs ▪ 2016 SRF PULS (Switzerland), Washington Post (USA), Health Medicine Network, TSF (Portugal) ▪ 2014 Discover Magazine, The Guardian, The Atlantic, The Huffington Post, Phys.org, Biomedicine, EurekaAlert!, Science Daily, Health Canal, ScienceNewline, AlphaGalileo, Radio Television Suisse (Switzerland), Der Bund (Switzerland), Der Standard (Austria), Krone (Austria), La Razon Digital (Spain), Finanz (Germany), io9.com ▪ 2013 The Sieve ▪ 2012 The Naked Scientists, L'Oiseau Magazine (France)
LANGUAGE SKILLS	<i>Portuguese</i> : Native; <i>English</i> : Fluent in written and oral; <i>Spanish</i> and <i>French</i> : Proficient in written and oral; <i>German</i> : Basic
MEMBERSHIP	Society for Behavioral Neuroendocrinology, Society for Integrative and Comparative Biology, American Physiological Society, British Society for Neuroendocrinology, Animal Behavior Society, European Society for Evolutionary Biology, Sigma Xi
REFERENCES	<p>Prof. Barbara König, University of Zurich (postdoctoral adviser): Phone: (+41) 44 635 52 70 - Email: barbara.koenig@ieu.uzh.ch</p> <p>Prof. George Bentley, University of California, Berkeley (doctoral adviser): Phone: (+1) 510 542 8004 - Email: gb7@berkeley.edu</p> <p>Prof. Lance Kriegsfeld, University of California, Berkeley (doctoral committee member): Phone: (+1) 510 642 5148 - Email: Kriegsfeld@berkeley.edu</p>