

Eleanor M. Caves

Brown University, Providence RI | eleanor_caves@brown.edu

[Google Scholar](#) | <https://caves-lab.eemb.ucsb.edu/>

EDUCATION

Ph.D.	Department of Biology, Duke University, Durham, NC PI: Dr. Sönke Johnsen	2013-2018
M.Phil.	Behavioural Ecology Group, Zoology Department, University of Cambridge, UK PI: Drs. Claire Spottiswoode and Martin Stevens	2011-2012
B.A.	Biology Department, Pomona College, Claremont, CA. <i>Magna cum laude</i>	2007-2011

PROFESSIONAL APPOINTMENTS

Assistant Professor, Brown University	2024-present
Assistant Professor, University of California Santa Barbara	2021- 2024
Marie Skłodowska-Curie Postdoctoral Fellow, University of Exeter PI: Dr. Laura Kelley	2019-2021
Post-doctoral associate, Duke University Biology Department PI: Dr. Stephen Nowicki	2018-2019

PEER-REVIEWED PUBLICATIONS (*equal contribution, # undergraduate author; [link to Google Scholar profile](#))

B Titus, C Froehlich, C Vondriska, R Baker, and **EM Caves**. Stable isotopes disentangle niche partitioning and species co-occurrence in a multi-level marine mutualism. Preprint: <http://dx.doi.org/10.1101/2023.11.22.568307>.
(*In Revision, Oikos*)

31. **EM Caves**, A Davis, and S Johnsen. 2024. Nanoscale ultrastructures increase the visual conspicuousness of signalling traits in obligate cleaner shrimps. *Journal of Experimental Biology* 227: jeb248064. <https://doi.org/10.1242/jeb.248064>. Covered by: [Inside JEB](#).
30. E Tibbetts, O Harris, N Morehouse, and **EM Caves**. 2024. The evolution of simplifying heuristics in visual cognition: Categorization, specialization, and visual illusions. *Annual Reviews of Vision*: <https://doi.org/10.1146/annurev-vision-100923-015932>
29. **EM Caves**, AL Davis, S Nowicki, and S Johnsen. 2024. Backgrounds and the evolution of visual signals. *Trends in Ecology and Evolution* 39: 188-198. <https://doi.org/10.1016/j.tree.2023.09.006>. *cover
28. **EM Caves**, E Fernández-Juricic, and LA Kelley. 2024. Ecological and morphological correlates of visual acuity in birds. *Journal of Experimental Biology* 227: jeb 246063. <https://doi.org/10.1242/jeb.246063>
27. MP Heard, CL Nordheim, C McKinley, ZL Zilz, VA Jones, BA Vincent, and **EM Caves**. 2023. Excluded identity retention in STEM: a roadmap for inclusive undergraduate research symposia. *Oceanography* 36(4). <https://doi.org/10.5670/oceanog.2024.116>
26. K Bullough, A Kuijper, **EM Caves**, and LA Kelley. 2023. Quick Guide: Weber's Law. *Current Biology* 33: R992-R993. <https://doi.org/10.1016/j.cub.2023.07.016>
25. **EM Caves**, TT Sutton, EJ Warrant, and S Johnsen. 2023. Measures and models of visual acuity in epipelagic and mesopelagic teleosts and elasmobranchs. *Journal of Comparative Physiology A*: <https://doi.org/10.1007/s00359-023-01661-7>

24. **EM Caves** and LA Kelley. 2023. Proportional processing of a visual mate choice signal in the green swordtail *Xiphophorus hellerii*. *Ecology Letters* 26: 575-585. <http://dx.doi.org/10.1111/ele.14179>
- **Maternity leave Spring/Summer 2022** -
23. **EM Caves**, F de Busserolles, and LA Kelley. Sex differences in behavioural and anatomical estimates of visual acuity in the green swordtail *Xiphophorus helleri*. 2021. *Journal of Experimental Biology* 224: jeb243420. <https://doi.org/10.1242/jeb.243420>
22. T Dixit, **EM Caves**, CN Spottiswoode, and NPC Horrocks. Why and how to apply Weber's Law to coevolution and mimicry. 2021. *Evolution* 75: 1906-1919. [doi:10.1111/evo.14290](https://doi.org/10.1111/evo.14290)
21. **EM Caves**. The behavioural ecology of marine cleaning mutualisms. 2021. *Biological Reviews* 96: 2584-2601. [doi: 10.1111/brv.12770](https://doi.org/10.1111/brv.12770)
20. **EM Caves**, T Dixit, JFR Colebrook-Robjent, L Hamusikili, M Stevens, R Thorogood, and CN Spottiswoode. Hosts elevate either within-clutch consistency or between-clutch distinctiveness of egg phenotypes in defence against brood parasites. 2021. *Proceedings of the Royal Society B*. 288: 20210326. doi.org/10.1098/rspb.2021.0326
19. **EM Caves** and S Johnsen. 2021. The sensory impacts of climate change: bathymetric shifts and visually-mediated interactions in aquatic species. *Proceedings of the Royal Society B*. 288: 20210396. doi.org/10.1098/rspb.2021.0396. Covered by: [National Geographic Magazine](#), [weather.com](#), [Energy & Environment News](#)
18. **EM Caves**, PA Green, MN Zippel, D Bharath[#], S Peters, S Johnsen, and S Nowicki. 2021. Comparison of categorical color perception in two Estrildid finches. *The American Naturalist*: 197: 190-202. doi.org/10.1086/712379
17. **EM Caves**, J Troscianko*, and LA Kelley*. 2020. A customizable, low-cost optomotor apparatus: a powerful tool for behaviourally measuring visual capability. *Methods in Ecology and Evolution* 11: 1319-1324.. doi.org/10.1111/2041-210X.13449
16. **EM Caves**, LE Schweikert, PA Green, MN Zippel, C Taboada, S Peters, S Nowicki, and S Johnsen. 2020. Variation in carotenoid-containing retinal oil droplets correlates with variation in perception of carotenoid coloration. *Behavioral Ecology and Sociobiology* 74: 93. doi.org/10.1007/s00265-020-02874-5
15. **EM Caves***, C Chen^{**}, and S Johnsen. 2019. The cleaner shrimp *Lysemata amboinensis* adjusts its behavior toward predatory versus non-predatory clients. *Biology Letters*: 15, 20190534. doi.org/10.1098/rsbl.2019.0534. Covered by: [New York Times](#), [National Public Radio "Wow in the World" podcast](#)
14. **EM Caves**, S Nowicki, and S Johnsen. 2019. Von Uexküll revisited: Addressing human biases in the study of animal perception. *Integrative and Comparative Biology* 59: 1451-1462. doi.org/10.1093/icb/icz073
13. MN Zippel*, **EM Caves***, PA Green, S Peters, S Johnsen, and S Nowicki. 2019. Categorical colour perception occurs in both signalling and non-signalling colour ranges in a songbird. *Proceedings of the Royal Society B*: 286, 20190524. doi.org/10.1098/rspb.2019.0524
12. LE Schweikert, **EM Caves**, SE Solie, TT Sutton, and S Johnsen. 2019. Variation in rod spectral sensitivity of fishes is best predicted by habitat and depth. *Journal of Fish Biology*. 95: 179-185. doi.org/10.1111/jfb.13859
11. LE Schweikert, RR Fitak, **EM Caves**, TT Sutton, and S Johnsen. 2018. Spectral sensitivity in ray-finned fishes: diversity, ecology, and shared descent. *Journal of Experimental Biology*: 221, jeb189761. doi.org/10.1242/jeb.189761

10. **EM Caves***, PA Green*, MN Zipple, S Peters, S Johnsen, and S Nowicki. 2018. Categorical perception of colour signals in a songbird. *Nature*. 560: 365–367. doi.org/10.1038/s41586-018-0377-7. Covered by: [Nature News](#), [Discover Magazine](#)
9. **EM Caves**, PA Green, and S Johnsen. 2018. Mutual visual signalling between the cleaner shrimp *Ancylomenes pedersoni* and its client fish. *Proceedings of the Royal Society B* 285: 20180800. doi.org/10.1098/rspb.2018.0800. Covered by: [National Geographic](#), [Scientific American](#)
8. **EM Caves**, NC Brandley, and S Johnsen. 2018. Visual acuity and the evolution of signals. *Trends in Ecology and Evolution*. 33: 358-372. doi.org/10.1016/j.tree.2018.03.001. Covered by: [Smithsonian Magazine](#), [Discover Magazine](#)
7. R Fitak, **EM Caves**, and S Johnsen. 2018. Orientation in pill bugs: an interdisciplinary activity to engage students in concepts of biology, physics, and circular statistics. *The American Biology Teacher* 80: 608-618. doi.org/10.1525/abt.2018.80.8.608
6. **EM Caves** and S Johnsen. 2017. AcuityView: An R package for portraying the effects of visual acuity on scenes observed by an animal. *Methods in Ecology and Evolution* 9: 793-797. doi.org/10.1111/2041-210X.12911 -I actively maintain the R Package *AcuityView*, [available on the R CRAN](#)
5. **EM Caves**, M Stevens, and CN Spottiswoode. 2017. Does coevolution with a shared parasite drive hosts to partition their defences among species? *Proceedings of the Royal Society B*. 284: 20170272. doi.org/10.1098/rspb.2017.0272. Covered by: [The Economist](#)
4. **EM Caves**, TT Sutton, and S Johnsen. 2017. Visual acuity in ray-finned fishes correlates with eye size and habitat. *Journal of Experimental Biology* 220: 1586-1596. doi.org/10.1242/jeb.151183
3. **EM Caves**, TM Frank, and S Johnsen. 2016. Spectral sensitivity, spatial resolution, and temporal resolution and their implications for conspecific signalling in cleaner shrimp. *Journal of Experimental Biology* 219: 597-608. doi.org/10.1242/jeb.122275
2. **EM Caves**, M Stevens, E Iverson, and CN Spottiswoode. 2015. Hosts of brood parasites have evolved egg visual signatures with elevated information content. *Proceedings of the Royal Society B* 282: 20150598. doi.org/10.1098/rspb.2015.0598. *cover
1. **EM Caves***, Jennings SB*, HilleRisLambers J, Tewksbury JJ, Rogers HS. 2013. Natural experiment demonstrates that bird loss leads to cessation of dispersal of native seeds from intact to degraded forests. *PLoS ONE* 8(5): e65618. doi.org/10.1371/journal.pone.0065618

BOOK CHAPTERS, POPULAR SCIENCE & OTHER ARTICLES

- CM Moore, AK Shaw, B Bruninga-Socular, **EM Caves**, AT Karnish, KN Kiesewetter, AS Nelson, and EG Pringle. 2023. The Movement Ecology of Mutualism (CSEE/ESA 2022, OOS17). *Bulletin to the Ecological Society of America*. <http://doi.org/10.1002/bes2.2063>
- EM Caves**, PA Green, and M Hughes. 2022. Communication. In: *The Routledge International Handbook of Comparative Psychology*. Pg 147-159. Edited by: A.R. Ridley, P. d’Etorre, and T.M. Freeberg. Routledge.
- EM Caves**. 2021. “The Last Word: Does long and short-sightedness affect other animals? If so, how do they cope?” [New Scientist Magazine](#), February 27 2021.

AWARDS AND HONORS

George A. Bartholomew Early Career Award, Society for Integrative and Comparative Biology 2024
(one award given annually)

Jasper Loftus-Hills Young Investigator Award, American Society of Naturalists (four awards given annually)	2019
Dorothy Skinner Award for Research Excellence, Society for Integrative and Comparative Biology (one award given annually)	2019
University Scholars Fellowship, Duke University	2013-2018
James B. Duke Fellowship, Duke University	2013-2017
Dean's Award for Excellence in Mentoring, Duke University	2017
National Geographic Young Explorer	2016
National Defense Science and Engineering Graduate Fellow	2013-2016
Downing Fellowship for Study at the University of Cambridge, Downing College, Cambridge	2011-2012
Barry M. Goldwater Scholar, United States Congress	2010-2011
Summer Student Fellow, Woods Hole Oceanographic Institute, Dr. Peter Tyack, Woods Hole, MA	2011
Charles S. Vaile Prize in Biology, Pomona College	2011
National Science Foundation Research Experience for Undergraduates (REU) Fellow	2010

FELLOWSHIPS AND RESEARCH GRANTS

NSF IOS Behavioral Systems: <i>Cooperation in Context: Biotic and abiotic drivers of interaction outcome in cleaner shrimp - client fish mutualisms</i> . PI: Caves. (\$856, 462)	2024-2027
UCSB Academic Senate Faculty Research Grant. <i>Exploring the dynamics of cleaning interactions involving giant sea bass in temperate marine ecosystems</i> . PI: Caves. (\$10,000)	2023-2024
UCSB Faculty Career Development Award. PI: Caves. (\$7500)	2023-2024
UCSB Academic Senate Faculty Research Grant: <i>How can predator and prey evolve cooperation? A case study of cleaning behavior in shrimps</i> . PI: Caves. (\$16389)	2022-2023
University of California Regents' Junior Faculty Fellowship (\$7500)	2022-2023
Marie Skłodowska-Curie Postdoctoral Fellowship, University of Exeter (£183,000)	2019-2021
Duke-Exeter Collaboration Fellowship (£3991)	2020-2021
International Society for Behavioural Ecology Travel Grant. (\$500)	2018
Duke University Biology Department Grant in Aid of Research. (\$1000 each)	2014, 2015, 2016, 2017
Young Explorers Grant, National Geographic Society. (\$5000)	2016-2017
National Defense Science and Engineering Graduate Fellowship, Department of Defense. (\$102,000)	2013-2016
Animal Behavior Society Conference Travel Grant. (\$500)	2016
Rosemary Grant Award for Graduate Student Research, Society for the Study of Evolution. (\$2500)	2015
Duke Sigma Xi Sally Hughes-Schrader Travel Grant. (\$1250)	2015
The Crustacean Society Graduate Student Scholarship. (\$1000)	2015
Duke University International Dissertation Research Travel Award. (\$2000)	2015
Charles Lambert Memorial Endowment, Friday Harbor Laboratories. (\$500)	2014
Fernald Fellowship, Friday Harbor Laboratories. (\$1300)	2014
Journal of Experimental Biology Travelling Fellowship. (\$2400)	2014
Sigma Xi Grant-in-Aid of Research. (\$1000)	2013

INVITED SEMINARS (*upcoming, # invited by graduate students)

2024	University of California Riverside, University of California Santa Barbara (Graduate Research Symposium Keynote Address)#
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- 2023 University of Vermont, University of Georgia, Brown University, Monterey Bay Aquarium Research Institute, [#The Future of Foraging](#) Seminar Series (Virtual), Virginia Tech, University of Pittsburgh, University of California Davis, University of Virginia (Virtual)
- 2022 #Brown University, Pomona College, #UC Santa Barbara (MCDB-BMSE Annual Retreat)
- 2021 #Purdue University (Virtual), University of Alabama (Virtual)
- 2020 Newcastle University (UK, Virtual), University of Exeter Stretham Campus (UK, Virtual), University of Arizona, University of Bristol (UK), University of Exeter (UK)
- 2019 UC Santa Barbara, Cornell University, UC Davis, Yale University, University of Chicago
- 2018 Harvard University, The College of Wooster, University of Guam, Wake Forest University
- 2012 Cambridge University (UK)

CONFERENCE PRESENTATIONS (*upcoming)

- Vision 2024: Building Bridges in Visual Ecology (Sussex, UK), **Meeting Co-Organizer and Presenter** 2024
- George A. Bartholomew Plenary Lecture, SICB Annual Meeting (Seattle, WA, USA) 2024
- Society for Integrative and Comparative Biology Annual Meeting (Seattle, WA, USA) 2024
- Society for the Study of Evolution Annual Meeting (Albuquerque, NM, USA) 2023
- Society for Integrative and Comparative Biology Annual Meeting (Austin, TX, USA) 2023
- Kavli Foundation (Culver City, CA), **Invited Speaker in “Neurobiology and Changing Ecosystems”** 2022
- Ecological Society of America (Montreal, Canada), **Invited Symposium Speaker: “The Movement Ecology of Mutualism”** 2022
- International Congress on Neuroethology (Lisbon, Portugal), **Invited Speaker in the Presidential Symposium** 2022
- Animal Behavior Society (Virtual), **Invited Speaker in the Presidential Symposium** 2022
- Living Light Conference (virtual), **Invited Keynote Speaker** 2021
- Association for the Study of Animal Behaviour (virtual), **Invited Speaker in the Early Career Symposium** 2021
- Animal Behavior Society Annual Conference (virtual) 2021
- Exeter University ExBASE Conference, Centre for Research in Animal Behaviour (virtual) 2021
- Behavior, Ecology, and Evolution of Poeciliid Fishes (virtual) 2021
- Society for Integrative and Comparative Biology Annual Meeting (virtual) 2021
- Animal Behavior Society Annual Conference (virtual) 2020
- Evolution (Providence, RI), **American Society of Naturalists Young Investigator Award Symposium** 2019
- Association for the Study of Animal Behavior Winter Meeting (London, UK), Poster presentation 2019
- Color Vision—Circuits and Behavior Conference (HHMI Janelia Farm Ashburn, VA), **Invited Keynote Speaker** 2019
- Society for Integrative and Comparative Biology Annual Meeting (Tampa, FL) 2019
- International Society for Behavioural Ecology (Minneapolis, MN) 2018
- Society for Integrative and Comparative Biology Annual Meeting (San Francisco, CA) 2018
- Animal Behavior Society Annual Conference (Toronto, Canada) 2017
- Society for Integrative and Comparative Biology Annual Meeting (New Orleans, LA) 2017
- Animal Behavior Society Annual Conference (Columbia, MO) 2016
- Society for Integrative and Comparative Biology Annual Meeting (Portland, OR) 2016
- Duke University Ecology Symposium, Duke University Marine Lab (Beaufort, NC), **Best Student Presentation** 2015
- Society for Integrative and Comparative Biology Annual Meeting, (West Palm Beach, FL) 2015
- International Society for Behavioural Ecology (Lund, Sweden), Poster presentation 2012

DIVERSITY, EQUITY, AND INCLUSION

Trainings

- University of California Field Research Safety: Behavioral First Response Skills for the Field 2023
- Equity in Graduate Education Consortium: Creating Organizational Cultures of Mentoring & Wellbeing 2023
- UC Santa Barbara [ONDAS](#) / [CITRAL](#) Inclusive Teaching Workshop 2021-2022

- A year-long seminar for faculty that explores disciplinary identities, teaches about learning styles, and promotes curriculum design/redesign that is inclusive and antiracist

[California Consortium for Inclusive Doctoral Education](#) Holistic Recruiting Practices Workshop 2021

University of California [Field Leadership Toolkit Training](#) 2021

- A four-part workshop that emphasizes how people of different identities experience risk in the field, and promotes strategies for mitigating risks to make fieldwork an inclusive experience

Duke University Pursuing Respect, Inclusion, Diversity, and Equity ([PRIDE](#)) training 2018

- Training to increase awareness of issues impacting those with marginalized sexual orientations, gender identities, and gender expressions

Events

Organized a Queer and Trans Identity & Experience Seminar for members of the EEMB Department, UCSB 2023

Screening of "[Picture A Scientist](#)" for the Centre for Ecology and Conservation, University of Exeter 2021

- Solicited the department for funds to host a screening, followed by a "packed lunch" discussion, of the [Picture A Scientist](#) documentary, which explores challenges faced by women in STEM fields

Service

EEMB Department DEI Officer on behalf of graduate students 2023-present

DEI Working Group 2: Curriculum and Teaching, UCSB EEMB; faculty representative 2021-2023

Undergraduate Research Symposium, UCSB EEMB; faculty liaison 2021-present

Head graduate mentor, [University Scholars Program](#), Duke University 2016-2018

- Interviewed program candidates and organized mentoring activities for more than 120 students for the [University Scholars Program](#), which provides full tuition to undergraduates with financial need

TEACHING AND MENTORING

Research Mentoring

Doctoral Students

- UCSB: Bryce Barbee, Darcy Chang

Doctoral committees

- Nury Molina (UCSB), Siena McKim (UCSB), Bridget Vincent (UCSB), Cheyenne McKinley (UCSB), Helen Payne (UCSB), Vanessa Moreno (UNCW), Kathryn Bullough (U Exeter), Soumyadeep Chatterjee (UC Riverside)

Master's committees

- Seth Frazer (UCSB), Korris Brown (U Alabama)

Undergraduates

- *UC Santa Barbara:*
 - Undergraduate Thesis: Miya Ball (2021-2023)
 - Independent research: Vanessa Koopman (California Alliance for Minority Participation fellow, 2023-present), Kara Chatteron (2021-present), Justin Kim (2022-2023)
 - Guided research: Colin Gregory (2023-present), Ashley Fong (2023-present), Zoe Chang (2023), Madelyn Balochie (2023)
 - Data Science Capstone Class: "Measuring visual acuity in bees from high resolution images" (2023, 4 undergraduate data science majors)
- *Exeter University:* Leela Channer (2020-present), Charlotte Roberts (2020-2022)

- *Duke University*
 - Undergraduate thesis: Kelsey O'Donnell (2016-2019); Catherine Chen (2013-2016)
 - Independent study: Dhanya Bharath (2019); Lauren Deehan (2018); John Bollinger (2018); Katja Kochvar (2017-2018); Lingrong Jin (2017-2018); Helen Tan (2016-2017); Surabhi Reddy (2014-2016)

Instructor of Record

UC Santa Barbara

EEMB 138: Ethology and Behavioral Ecology	Spring 2024
<ul style="list-style-type: none"> • Undergraduate-level course with two lectures and five laboratory sections, 100 students 	
EEMB 595WG: Writing Small Grant Proposals	Winter 2024
<ul style="list-style-type: none"> • Graduate-level seminar course on how to craft small grant proposals, in which students learn about proposal writing, write a Sigma Xi Grant-In-Aid and engage in peer review circles 	
EEMB 509: Introduction to Ecology and Evolution	2022, 2024
<ul style="list-style-type: none"> • Graduate-level core course in the Department of Ecology, Evolution, and Marine Biology 	
EEMB 595R: R Seminar	Winter 2022
<ul style="list-style-type: none"> • Graduate-level seminar focused on teaching R coding and providing students with time to workshop and troubleshoot coding roadblocks 	
EEMB 595EV: Evolution Seminar	Winter 2022

Duke University

Biology 190S: Sensory Biology—Taste, Touch, Sound, Sight, Smell, and Beyond (Duke University)	Summer 2017
<ul style="list-style-type: none"> • Proposed, and was selected to design and teach a fifteen-student, undergraduate-level summer session course 	

Teaching Assistant

Hong Kong Conservation and Ecology Field Course—LESM002 (University of Exeter)	Fall 2019
<ul style="list-style-type: none"> • Served as a demonstrator for a two-week field course for Master's students in Hong Kong 	

Training

UC Santa Barbara ONDAS / CITRAL Inclusive Teaching Workshop	2021-2022
Duke Certificate in College Teaching	2015-2018

Teaching Grants

Duke Data Expeditions, Information Initiative at Duke (iiD), grant for teaching undergraduates big data analysis techniques. \$4500. See the lesson plan here. Duke Interdisciplinary Studies Press Release.	2017, 2018, 2019
Duke Support for Interdisciplinary Graduate Networks (D-SIGN), "A STEM researcher-educator network to improve K12 science literacy." \$13,341. Co-author with Patrick Green and Becca Lauzon. Duke Award Announcement (June 2016) and Duke Press Release (August 2017) .	2016-2017

Guest Lectures in University Courses

Ecology, University of California Santa Barbara	2023
Animal Communication, University of California Berkeley	2022
Vertebrate Natural History, University of San Diego	2021
Graduate seminar in Animal Cognition, University of Cincinnati	2020
Topics in Sensory Biology (Bio427S): one-day guest lecture on color vision across the animal kingdom	2015-2018
Animal Physiology (Bio329L): a two-day Duke Data Expedition guest lecture	2018-2019

Animal Physiology (Bio329L): a one-day guest lecture on the physiology of vision	2017
Animal Signaling Freshman Seminar (Bio089S): guest lecture on communication across modalities	2017
Introduction to Behavioral Ecology (Bio267D): guest lecture on costs and benefits in animal communication.	2017

SERVICE

Departmental Service

UC Santa Barbara

EEMB Department DEI Officer on behalf of students	2023-2024
EEMB First Year Graduate Student Retreat, Faculty Organizer	2023
Ad-hoc committee to review faculty merit and promotion cases	2023
Representative to the UCSB Faculty Legislature	2021-2024
Faculty liaison for EEMB Undergraduate Research Symposium	2021-2024
DEI Working Group 2: Curriculum and Teaching	2021-2023
EEMB Website committee	2021-2023

University Service

UC Santa Barbara

Dive Control Board, Faculty Representative	2023-present
Marine Science Institute, Advisory Committee	2023-2024

Symposium and Workshop Organizer

- With Lorian Schweikert and Sönke Johnsen, I co-wrote a successful proposal to serve as **organizers** for "[Vision 2024](#)," a 30-participant workshop fully funded by the Company of Biologists (\$80,000)

Service at Meetings and for Societies

- American Society of Naturalists Jasper Loftus-Hills Young Investigator Award Committee:
 - Chair: 2023-2024
 - Member: 2021-2023
- Society for Integrative and Comparative Biology, Division of Animal Behavior Executive Committee Nominating Committee (2023)
- Society for Integrative and Comparative Biology Dorothy Skinner Award for Postdoctoral Research Excellence Award Committee (2020)
- Chair for the Vision Researchers Colloquium 2020, GW4 University Group, United Kingdom (virtual, 2020)
- Animal Behavior Society Warner Clyde Allee Young Investigator Award Committee (2019)

Reviewer

Fellowships and Grant Proposals

- National Defense Science and Engineering Graduate Fellowship 2021-2022
 - (Cognitive, Neural, and Behavioral Sciences Division)
- Marsden Fund, Royal Society Te Apārangi, New Zealand: *ad hoc reviewer*

Manuscripts

PNAS, Current Biology, The American Naturalist, Biology Letters, Philosophical Transactions of the Royal Society, Journal of Experimental Biology, Animal Behaviour, Integrative and Comparative Biology, Ethology, Ecology and Evolution, Frontiers in Ecology and Evolution, Environmental Biology of Fishes, Journal of Fish Biology, Journal of Crustacean Biology, Coral Reefs, Journal of Herpetology, Journal of Comparative Physiology A, Journal of Zoology

COMMUNITY OUTREACH AND MEDIA

Philips Andover Summer Enrichment Program, "Marine Biology" guest lecturer	2023
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KPAX News, “A Wilder View” television series: “ Why Animals Don’t Need Glasses ”	2023
Pomona College Podcast “The Vertebrate Story,” featured scientist	2022
UCSB Seeds Club, Lab Tour and Career Pathway Q and A	2022
Featured Scientist on gizmodo.com’s “Giz Asks” series: “ Which Animal Species Get Along the Best? ”	2021
Featured Guest on the Animal Behavior Podcast	2021
Wrote custom codes for Nemo and Friends Aquarium at Walt Disney World, to incorporate visual ecology into their animal enrichment activities	2021
Cerritos College Marine Biology Class “interview with a marine biologist”	2021
Interviewed for Gimlet Media “ Every Little Thing ” Podcast	2020
Interviewed for a research feature on National Public Radio’s “Wow in the World” podcast	2020
Scientific Research and Education Network (SciREN) lesson plan presenter, Raleigh NC	2018
Presentation at the North Carolina Museum of Natural Sciences Daily Planet Theater, Raleigh NC	2018
Presentation to the North Carolina Down Under Divers Association, Raleigh NC	2018
Scientific Research and Education Network (SciREN) Triangle (501c3): leadership board member	2014-2018
National Geographic Learning Panorama: “Seeing Underwater” by Maria Choudhury: a write-up about my dissertation research in a textbook aimed at elementary schoolers, in English and Spanish	2017
American Heritage Girl Scouts, “Zoology Badge” Guest Speaker, Johnston County NC	2017
North Carolina School of Science and Math, High School Evolutionary Biology Guest Lecturer	2015-2017
North Carolina Invite-a-Scientist Festival guest teacher, Raleigh NC and Yanceyville NC	2014-2016
Lowe’s Grove Middle School, Sixth Grade Visual Ecology Outreach Day, Durham NC	2014

SOCIETY MEMBERSHIPS

International Society for Neuroethology, Animal Behavior Society, Society for Integrative and Comparative Biology, Association for the Study of Animal Behaviour, Society for the Study of Evolution, American Society of Naturalists, The Crustacean Society, International Society for Behavioral Ecology, Ecological Society of America