|  | ***Jennifer L. McKee***  [www.JennyLynnMcKee.com](http://www.JennyLynnMcKee.com) | JennyLynnMcKee jenny\_howard9 |  |
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**EDUCATION**

**Wake Forest University**, Winston-Salem, NC *2014 - 2021*

Ph.D. Candidate, Biology Department

* Examining environmental and individual predictors of the foraging behavior of Nazca boobies (*Sula granti*) at Isla Española, Galápagos, Ecuador.

**Kenyon College**, Gambier, OH *2005 - 2009*

B.A. in Biology, Concentration in Environmental Studies. GPA:*3.49/4.00*

Kenyon College Merit List *2005 - 2009*

SIT Study Abroad, Ecuador: Comparative Ecology and Conservation *Jan. - May 2008*

**FELLOWSHIPS/GRANTS/AWARDS**

Runner-Up Best Student Oral Award, Waterbird Society 45th Annual Meeting *2021*

Vecellio Fund for Graduate Research, Wake Forest University ($300)  *2021*

Elton C. Cocke Travel Fund, Wake Forest University ($110)  *2021*

Outstanding Graduate Teaching Award *2021*

National Science Foundation Graduate Research Fellowship ($138,000) *2016 - Present*

AAAS Mass Media Fellowship: *National Geographic 2019*

Runner-Up Best Student Oral Award, Pacific Seabird Group 46th Annual Meeting *2019*

Elton C. Cocke Travel Fund, Wake Forest University ($900)  *2019*

Student Travel Award, Pacific Seabird Group Conference ($600) *2019*

Vecellio Fund for Graduate Research, Wake Forest University ($1,500)  *2018*

Elton C. Cocke Travel Fund, Wake Forest University ($1700)  *2018*

Alumni Student Travel Award, Wake Forest University ($300/year) *2015 -* *2017*

Best Student Poster Award, Pacific Seabird Group 44th Annual Meeting *2017*

Vecellio Fund for Graduate Research, Wake Forest University ($1,350)  *2017*

Elton C. Cocke Travel Fund, Wake Forest University ($725)  *2017*

Vecellio Fund for Graduate Research, Wake Forest University ($1,000) *2016*

Elton C. Cocke Travel Fund, Wake Forest University ($500) *2016*

Student Research Grant, Animal Behavior Society ($1,000) *2016*

Student Membership Award, American Ornithologists’ Union ($30) *2016*

Vecellio Fund for Graduate Research, Wake Forest University ($1,224) *2015*

National Science Foundation Graduate Research Fellowship, Honorable Mention 2*015*

**RESEARCH EXPERIENCE**

Doctoral Research, Wake Forest University, Winston Salem, NC *2014 - 2021*

Field Operations Coordinator, USFWS, Pacific Reefs NWRC, Honolulu, HI *June - Aug. 2014*

Crew Leader, USFWS, Pacific Reefs NWRC, Johnston Atoll *Oct. 2013 - May 2014*

Field Technician, USFWS, Maine Coastal Islands NWR, Seal Island, ME*Aug. - Sept. 2013*

Supervisor, Project Puffin, Seal Island, ME*May - Aug. 2012, 2013*Field Assistant, The Corridor Project, Savannah River Site, SC*Feb. - April 2013*

Field Technician, Northern Saw-whet Owl Program, PA*Oct. - Nov. 2012*

Supervisor, Project Puffin, Stratton Island, ME*Aug. - Sept. 2012*

Field Assistant, Española Island, Galápagos, Ecuador *Oct. 2011 - Jan. 2012*

Resident Intern, Project Puffin, Stratton Island, ME *Aug. - Sept. 2011*

Resident Intern, Project Puffin, Seal Island, ME*May - Aug. 2011*

Field Assistant, Kirtland’s Warbler Project, Eleuthera, The Bahamas*Nov. 2010 - May 2011*

Field Technician, Monarch Monitoring Project, Cape May, NJ *Sept. - Oct. 2010*

Field Technician, Colorado Natural Heritage Program (CNHP), CO *July - Aug. 2010*

Intern, Ecology of Bird Loss Project, Mariana Islands *Sept. 2009 - June 2010*

Field Assistant, McLaughlin Natural Reserve, CA *July - Sept. 2009*

Head Research Assistant, Kenyon College, OH *May - July 2009*

Field Assistant, Summer Science Scholars Program, Kenyon College, OH*May - July 2008*

Field Assistant, Tiputini Biodiversity Station, Ecuador *Apr. 2008*

Intern, Maine State Government Summer Internship, Augusta, ME*May - Aug. 2007*

**SCIENTIFIC PUBLICATIONS**

*\*Prior to 2022, publications listed under Howard, JL*

**Howard JL**, Tompkins EM, Anderson DJ. Effects of age, sex, and ENSO phase on foraging and flight performance in Nazca boobies. Ecol Evol. 2021;11:4084–4100. https://doi.org/10.1002/ece3.7308

**TECHNICAL PUBLICATIONS**

*\*Prior to 2022, publications listed under Howard, J. L.*

**Howard, J. L.** 2013-2014. “Johnston Atoll National Wildlife Refuge Weekly Situation Reports #173 – 197”. USFWS.

**Howard, J. L.** and J. L. Chalfant. 2013. “Seal Island National Wildlife Refuge 2013 Post-Season Report”. USFWS.

**Howard, J. L.** 2013. “Seal Island National Wildlife Refuge 2013 Season Report”. USFWS.

**Howard, J. L.** 2012. “Stratton Island 2012 Post-Season Report”. USFWS.

**Howard, J. L.** 2012. “Seal Island National Wildlife Refuge 2012 Season Report”. USFWS.

Gutowsky, S.E. and **J.L. Howard.** 2011. “Seal Island National Wildlife Refuge 2011 Season Report”. USFWS.

**CONFERENCE PRESENTATIONS**

*\*Prior to 2022, presentations listed under Howard, J. L.*

**Howard, J. L.,** E. M. Tompkins**,** F. Estela, & D. J. Anderson. Age effects on foraging are sex-specific in a breeding seabird. 45th Annual Meeting Waterbird Society; 2021 Nov 8-12; Virtual. Oral.

**Howard, J. L.,** L. Pujol, & D. J. Anderson. Using social media to obtain resight data on a declining species in Galápagos. 5th World Seabird Twitter Conference (#WSTC6); 2020 May 4-6; Twitter Presentation.

**Howard, J. L.** & D. J. Anderson. The fine-scale flight performance of a pelagic seabird. 5th World Seabird Twitter Conference (#WSTC5); 2019 Apr 9-11; Twitter Presentation.

**Howard, J. L.,** F. Estela, & D. J. Anderson. Effects of aging on the foraging behavior of a long-lived seabird in Galápagos. 46th Annual Meeting Pacific Seabird Group; 2019 Feb 27-2 March; Lihue, Kauai. Oral.

**Howard, J. L.** & D. J. Anderson. The fine-scale flight performance of the Nazca booby (*Sula granti*). 27th International Ornithological Congress; 2018 Aug 21-26; Vancouver, Canada. Oral Speed Talk & Poster.

**Howard, J. L.** & D. J. Anderson. The fine-scale flight performance of the Nazca booby (*Sula granti*). 42nd Annual Meeting Waterbird Society; 2018 Aug 19-20; Vancouver, Canada. Oral.

**Howard, J. L.** & D. J. Anderson. Responses of the Nazca booby (*Sula granti*) and other seabirds to extreme El Niño events at Isla Española, Galápagos. 44th Annual Meeting Pacific Seabird Group; 2017 Feb 23-25; Tacoma, WA. Poster.

**Howard, J. L.** & D. J. Anderson. Responses of the Nazca booby (*Sula granti*) and other seabirds to extreme El Niño events at Isla Española, Galápagos. North American Ornithological Conference; 2016 Aug 16-20; Washington, DC. Poster.

**Howard, J. L.**, E. Carlton, S. Fennessy, R. Mauck, & E. Holdener. Mapping Eastern Bluebird (*Sialia sialis*) Land Use in the Face of Anthropogenic Activity. Kenyon College Summer Science Poster Session; 2008 Oct 17; Gambier, OH. Poster.

**INVITED SEMINARS and LECTURES**

*\*Prior to 2022, presentations listed under Howard, J. L.*

**Howard, J. L.** 2021. How to communicate science. Kenyon College: Science Writing Course. Guest Lecture.

**Howard, J. L.** 2021.Applying for Grants and Fellowships: the NSF GRFP and Beyond.Wake Forest University: Remote Seminar.

**Howard, J. L.** 2021. How to communicate science. Kenyon College: Science Writing Course. Remote Guest Lecture.

**Howard, J. L.** 2021. Age and sex affect foraging behavior of a tropical seabird. Kenyon College: Movement Ecology Seminar. Remote Guest Lecture.

**Howard, J. L.** 2021.Using R as a GIS platform.Wake Forest University: GIS Course. Remote Guest Lecture.

**Howard, J. L.** 2021. Take a (virtual) trip to the Galapagos Islands. Wake Forest University: Darwin’s Writings First Year Seminar. Remote Guest Lecture.

**Howard, J. L.** 2020. Age and sex affect foraging behavior of a tropical seabird. California State University-Long Beach. Remote Invited Talk.

Bressman, N. R. & **Howard, J. L.** 2020.Preparing for graduate school.Chapman University: Remote Seminar.

**Howard, J. L.** 2020. Take a (virtual) trip to the Galapagos Islands. Wake Forest University: Darwin’s Writings First Year Seminar. Remote Guest Lecture.

**Howard, J. L.** 2020.Applying for Grants and Fellowships: the NSF GRFP and Beyond.Wake Forest University: Remote Seminar.

**Howard, J. L.** 2020.Using R as a GIS platform.Wake Forest University: GIS Course. Remote Guest Lecture.

**Howard, J. L.** 2020. Learning to make figures in R with ggplot2. Wake Forest University: Department of Biology. Remote Seminar.

**Howard, J. L.** 2020.An unscientific approach to science communication. Wake Forest University: Microbiology Course. Guest Lecture.

**Howard, J. L.** 2020.Science Communication: How to interview and be interviewed. Wake Forest University: Department of Biology. Seminar.

**Howard, J. L.** 2019.Applying for Grants and Fellowships.Wake Forest University: Department of Biology. Seminar.

**Howard, J. L.** 2019. Investigating the drivers of foraging behavior in a long-lived tropical seabird. University of Virginia: EEBIO Series. Invited Talk.

**Howard, J. L.** 2019.Spatial Analysis with R.Pfeiffer University: GIS Course. Guest Lecture.

**Howard, J. L.** 2019. Galapagos: The Enchanted Isles. Wake Forest University: Darwin’s Writings First Year Seminar. Guest Lecture.

**Howard, J. L.** 2018.Oh, the places you [can] go with a degree in Biology.Pfeiffer University: Women in Science Course. Guest Lecture.

**Howard, J. L.** 2018. The fine-scale flight performance of the Nazca booby (*Sula granti*). Arctic Research Centre, Aarhus University, Roskilde, Denmark. Invited Talk.

**Howard, J. L.** 2018.Applying for Grants and Fellowships.Wake Forest University: Department of Biology. Seminar.

**Howard, J. L.** 2017.Applying for the NSF GRFP.Wake Forest University: Department of Biology. Seminar.

**Howard, J. L.** Gulf of Maine Fish ID. Project Puffin Training; 2013; Bremen, ME. Seminar.

**TEACHING**

*Lead Teaching Assistant*

Biology & the Human Condition Lab, Wake Forest University *Fall 2020, Spring 2021*

*Teaching Assistant*

Biology & the Human Condition Lab, Wake Forest University *Fall 2015, 2019*

Parasitology Lab, Wake Forest University *Spring* *2020*

Behavioral Ecology, University of Michigan Biological Station *Summer* *2015*

Comparative Physiology Lab, Wake Forest University *Fall 2014*

**OUTREACH/COMMUNITY INVOLVEMENT**

Skype a Scientist, Online outreach *2019 - Present*

North Carolina Science Olympiad, Winston Salem, NC 2*018*, *2020, 2021*

“Genetics & GMOs”, Outreach in local high schools, Winston Salem, NC *2015, 2017, 2019*

Mentor, Career Fair, Morgan Elementary School, Clemmonsville, NC *2019*

Science Fair Judge, Sherwood Forest Elementary School, Winston Salem, NC 2*018*

Volunteer Bander, Biodiversity Research Institute, River Point, Falmouth, ME *Fall 2013*

Volunteer Bander, Shoals Marine Laboratory, Appledore Island, ME*Fall 2013*

**MENTORING**

Mentored (1) undergraduate student in blue-footed booby population study *2018 - 2020*

Mentored (4) undergraduate students in individual research on Nazca booby sleep *2017 - 2019*

**PROFESSIONAL SERVICE**

Diversity Action Plan Committee, WFU Department of Biology *2020 - 2021*

Twitter Manager (@wfubiology), WFU Department of Biology *2017 - 2021*

Twitter Co-Manager (@PacificSeabirds), Pacific Seabird Group *2018 - 2021*

Website Content Manager, Pacific Seabird Group Annual Meeting *2018 - 2021*

Graduate Student Representative on the WFU Honor Code Panel *2018 - 2021*

Graduate Student Representative on the WFU Campus Rec. Advisory Board *2018 - 2019*

Grad. Student Representative, WFU Department of Biology Graduate Committee *2017 - 2018*

**SELECTED SCIENCE COMMUNICATION**

[Lights from ships disorient, and even kill, seabirds.](https://hakaimagazine.com/news/light-from-ships-disorients-and-even-kills-seabirds/) 2021. *Hakai Magazine*.

[Sea bass don’t like surprises](https://www.hakaimagazine.com/news/sea-bass-dont-like-surprises/). 2020. *Hakai Magazine*.

[Please do not feed the wildlife](https://www.hakaimagazine.com/news/please-do-not-feed-the-wildlife/). 2020. *Hakai Magazine.*

[One songbird, four forms, one tiny island](https://www.hakaimagazine.com/news/one-songbird-four-forms-one-tiny-island/). 2020. *Hakai Magazine.*

[What do birds do in a hurricane?](https://www.hakaimagazine.com/news/what-do-birds-do-in-a-hurricane/) 2020. *Hakai Magazine.*

[Some animals can adapt to climate change—just not fast enough](https://www.nationalgeographic.com/environment/2019/08/many-animals-can-adapt-climate-change-just-not-fast-enough-/). 2019. *National Geographic.*

[Groundbreaking earthquake catalog may have just solved a seismic mystery](https://www.nationalgeographic.com/science/2019/08/earthquakes-groundbreaking-catalog-solved-seismic-mystery-foreshocks-southern-california/). 2019. *National Geographic.*

[This toddler-size parrot was a prehistoric oddity](https://www.nationalgeographic.com/science/2019/08/fossils-15-pound-parrot-found-new-zealand-kakapo/). 2019. *National Geographic.*

[Go inside a penguin rescue center with new 360 video](https://www.nationalgeographic.com/animals/2019/07/endangered-african-penguins-get-boost/). 2019. *National Geographic.*

[Alaskan Glaciers melting 100 times faster than previously thought](https://www.nationalgeographic.com/environment/2019/07/alaskan-glaciers-melting-faster-than-previously-thought/). 2019. *National Geographic.*

[Megadroughts could return to Southwestern U.S](https://www.nationalgeographic.com/environment/2019/07/megadroughts-could-return-southwestern-us/). 2019. *National Geographic.*

[These slumbering fish may offer clues to the origins of sleep.](https://www.nationalgeographic.com/science/2019/07/slumbering-zebrafish-offer-clues-to-origins-of-sleep/) 2019. *National Geographic.*

[These eggs aren’t hatching. The culprit? Light pollution](https://www.nationalgeographic.com/environment/2019/07/these-fish-eggs-not-hatching-problem-light-pollution/). 2019. *National Geographic.*

[12-foot bird lived alongside early human relatives, fossils reveal](https://www.nationalgeographic.com/science/2019/06/12-foot-bird-lived-alongside-early-human-relatives-fossils-reveal/). 2019. *National Geographic.*

[These corals choose to eat plastic over food. 2019](https://www.nationalgeographic.com/environment/2019/06/these-corals-choose-to-eat-plastic-over-food/). *National Geographic.*

[Sea urchins stress out](https://www.hakaimagazine.com/news/sea-urchins-stress-out/). 2019. *Hakai Magazine.*

[Hungry mice are attacking and killing adult albatrosses](https://www.hakaimagazine.com/news/hungry-mice-are-attacking-and-killing-adult-albatross/). 2019. *Hakai Magazine.*

[Loons are getting squeezed by wind farms](https://www.hakaimagazine.com/news/loons-are-getting-squeezed-by-wind-farms/). 2019. *Hakai Magazine.*

[How weather radar can predict bird migration](https://massivesci.com/articles/bird-migration-weather/). 2018. *Massive.*

[How an interloper snake decimated Guam’s delicious wild chilies](https://massivesci.com/articles/guam-chili-birds-snakes/). 2018. *Massive.*

[Boobies of the Galápagos are replacing their disappearing food source with junk fish](https://massivesci.com/articles/nazca-boobies-climate-change-galapagos-sea-lions/). 2017.

*Massive.*

**SELECTED MEDIA COVERAGE**

Citizen science project tracks blue-footed boobies on social media. 2020. *Wake Forest News*. https://news.wfu.edu/2020/05/08/citizen-science-project-tracks-blue-footed-boobies-on-social-media/

**SKILLS**

Comfortable with tagging animals with geolocator, TDR, GPS, accelerometer loggers; proficiency managing all biologger data types

Familiarity with general linear models and hierarchical models

Proficiency with GIS in ArcMap and R

Fluency coding in R; familiarity with Python