

EDUCATION

Oregon State University, Corvallis, OR
Ph.D. Student, Wildlife Science, Anticipated Graduation: 2022,
Cumulative GPA: 4.0
M.S. Wildlife Science, June 2018,
Cumulative GPA: 3.87

Pitzer College, Claremont, CA
B.S. Organismal Biology, May 2016
B.A. Environmental Policy, May 2016
Cumulative GPA: 3.48

RESEARCH EXPERIENCE

Graduate Research Assistant, Oregon State University, Hatfield Marine Science Center
Newport, OR, July 2016-Present

- M.S. thesis documented a New Zealand blue whale population using photo-ID, genetics, acoustics, and sightings records
- Ph.D. research focuses on ecology and distribution of blue whales in New Zealand, incorporating prey, oceanography, and acoustics to predict blue whale distribution across multiple spatial and temporal scales, and inform the design and implementation of a marine sanctuary

Marine Mammal Observer, NOAA Research Cruises
Newport, OR, September 2018-Present

- At-sea data collection on marine mammal distribution, abundance, and behavior for the Northern California Current Ecosystem Cruises aboard NOAA research vessel Bell M. Shimada

Research Assistant, Alaska Whale Foundation
Southeast Alaska, May-August 2015

- Led a three-month field project in SE Alaska, collaborated with senior scientists on study design and implementation
- Collected data for an undergraduate senior thesis in Organismal Biology assessing acoustic behavior of humpback whales

Research Assistant, Cetacean Ecology, Behaviour and Evolution Laboratory, Flinders University
Adelaide, Australia, June-July 2014

- Assisted with data collection for a study on southern Australian bottlenose dolphin ecology and social structure
- Conducted vessel-based fieldwork, collected behavioral and photo-ID data as well as biopsy samples

Research Assistant, Keck Science Department of Claremont McKenna, Pitzer, and Scripps Colleges
Claremont, CA, September 2013-May 2015

- Assisted with lab and field experiments assessing thermal tolerance of intertidal invertebrates in response to climate change

Intern, University of California Davis Bodega Marine Laboratory
Bodega Bay, CA, May-August 2013

- Independently ran an experiment assessing the role of olfactory cues in larval settlement of intertidal crabs (*Petrolisthes cinctipes*) under the mentorship of Dr. Steven Morgan

Intern, Marine Conservation Institute
Glen Ellen, CA, June-August 2012

- Contributed to the MPAtlas project, a global database of descriptions and regulations for marine protected areas

Intern, PRBO Conservation Science
Petaluma, CA, October 2011-February 2012

- Analyzed zooplankton samples for the Applied California Current Ecosystem Studies (ACCESS) project

PEER-REVIEWED PUBLICATIONS

- Torres, L.G., Barlow, D.R., Burnett, J.D., Chandler, T.E. (Accepted). Insights into the kinematics of blue whale surface foraging through drone observations and prey data. *PeerJ*.
- Barlow, D.R., Bernard, K., Escobar-Flores, P., Palacios, D., Torres, L.G. (Accepted with minor revision). Links in the trophic chain: Modeling functional relationships between in situ oceanography, krill, and blue whale distribution under different oceanographic regimes. *Marine Ecology Progress Series*.
- Barlow, D.R., Pepper, A.L., Torres, L.G. (2019). Skin Deep: An assessment of New Zealand blue whale skin condition. *Frontiers in Marine Science* 6:757.
- Barlow, D.R., Torres, L.G., Hodge, K.B., Steel, D., Baker, C.S., Chandler, T.E., Bott, N., Constantine, R., Double, M., Gill, P., Glasgow, D., Hamner, R., Lilley, C., Ogle, M., Olson, P.A., Peters, C., Stockin, K., Tessaglia-Hymes, C.T., Klinck, H. (2018). Documentation of a New Zealand blue whale population based on multiple lines of evidence. *Endangered Species Research* 36:27-40.
- Barlow, D.R., Fournet, M., Sharpe, F. (2018). Incorporating tides into the acoustic ecology of humpback whales. *Marine Mammal Science* 35:234-251.
- Burnett, J.D., Lemos, L., Barlow, D.R., Wing, M.G., Chandler, T.E., Torres, L.G. (2018). Estimating morphometric attributes on baleen whales using small UAS photogrammetry: A case study with blue and gray whales. *Marine Mammal Science* 35:108-109.

SELECTED CONFERENCE PRESENTATIONS

- D. Barlow, D.M. Palacios, K.S. Bernard, P. Escobar-Flores, L.G. Torres. Oral Presentation: Cloudy with a chance of whales: Forecasting blue whale occurrence to mitigate industrial impacts based on tiered, bottom-up models. World Marine Mammal Conference, December 2019, Barcelona, Spain.
- D. Barlow, D.M. Palacios, K.S. Bernard, P. Escobar-Flores, L.G. Torres. Oral Presentation: Cloudy with a chance of whales: Forecasting blue whale occurrence to mitigate industrial impacts based on tiered, bottom-up models. 23rd annual meeting of the Northwest Student Chapter for the Society for Marine Mammalogy, May 2019, Seattle, WA. **Awarded Best Oral Presentation.**
- D. Barlow, D.M. Palacios, K.S. Bernard, P. Escobar-Flores, P. Sutton, L.G. Torres. Oral Presentation: Cloudy with a chance of whales: Forecasting blue whale occurrence to mitigate industrial impacts based on tiered, bottom-up models. Society for Conservation Biology Oceania Congress, July 2018, Wellington, New Zealand.
- D. Barlow, K.B. Hodge, H. Klinck, D. Steel, C.S. Baker, T.E. Chandler, M. Double, P.C. Gill, C. Lilley, M. Ogle, P.A. Olson, D. Steel, L. Torres. Oral Presentation: From Migrant to Resident: Multiple Data Streams Point Toward a Resident New Zealand Population of Blue Whales. 22nd Biennial Conference on the Biology of Marine Mammals, October 24, 2017, Halifax, Nova Scotia, Canada.

SELECTED GRANTS & AWARDS

- Hatfield Student Organization Travel Award (\$400)
- Munson Wildlife Scholarship (\$2,000)
- Achievement Rewards for College Scientists (ARCS) Scholar Award (\$18,000 over three years)
- Marine Mammal Institute Endowed Graduate Fellowship (\$20,000)
- David J. Ashkenas Memorial Fellowship for International Research (\$2,000)
- Oregon State University Graduate Student Travel Award (\$1,500)
- Munson Wildlife Graduate Travel Scholarship (\$1,500)
- American Cetacean Society Oregon Chapter Student Research Grant (\$200)
- Hatfield Marine Science Center Markham First Year Student Award (\$12,000)
- Pitzer College Office of the Dean of Faculty Conference Travel Funding (\$500)
- Keck Summer Research Grant (\$4,000)

TEACHING EXPERIENCE

Instructor, FW251: Principles of Fish and Wildlife Conservation

Oregon State University, March-June 2018

- Instructor for online course covering history, theory, and current practice of conservation biology

Instructor, FW303: Survey of Geographic Information Systems in Natural Resources

Oregon State University, September 2017-March 2018

- Instructor for online course on applications for spatial data in natural resource disciplines

Teaching Assistant, BIOL169: Marine Ecology

Keck Science Department of Claremont McKenna, Pitzer, and Scripps Colleges, January 2015-May 2016

- Teaching assistant for the laboratory and field section of an upper-level biology course

LEADERSHIP EXPERIENCE

President, Hatfield Student Organization

Newport, OR, June 2018-present

- Hatfield Student Organization seeks to improve communication among students and faculty at Hatfield Marine Science Center, expand and diversify educational opportunities available to students, increase professional development opportunities, and articulate the needs of students and advocate for them at the university level
- Previously held an officer position July 2016-June 2017 prior to being nominated as president by peers, involved in fundraising, award development and allocation, community outreach, and event planning

Student Chapter Representative, Society for Marine Mammalogy

Newport, OR, July 2016-present

- Liaison between the Society for Marine Mammalogy and student members in the northwest United States and Canada
- Organized the 22nd annual chapter meeting at Hatfield Marine Science Center in May 2017

Communications Officer, Fisheries and Wildlife Graduate Student Association

Corvallis, OR, May 2017-June 2018

- Responsible for maintaining Fisheries and Wildlife Graduate Student Associated web page
- Involved in planning the Oregon State University's Research Advances in Fisheries, Wildlife, and Ecology Symposium

Student Fellow, Robert Redford Conservancy for Southern California Sustainability

Claremont, CA, January 2015-May 2016

- Selected to be part of a working group of students, faculty, administrators, and community members
- Developed curriculum, internships, and outreach programs including an invited speaker series