

Arianna P. Torello, Curriculum Vitae

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+1 (910) 547.8162 · atorello@ucsc.edu · she/her/hers**EDUCATION**

- 2021 – **University of California, Santa Cruz.** *Santa Cruz, CA, USA.* Ph.D. student in Ocean Sciences. Advised by Dr. Ari Friedlaender in the Biotelemetry and Behavioral Ecology Lab.
- 2016 – 2020 **University of North Carolina at Chapel Hill.** *Chapel Hill, NC, USA.* B.Sc. in Environmental Science with a concentration in ecology and natural resources and a minor in Marine Science.
- 2018 Jan-Jun **Universidad San Francisco de Quito.** *Quito and Galápagos, Ecuador.* Undergraduate exchange student. Studied marine ecology and techniques of marine research along the Ecuadorian coast and within the Galápagos archipelago.

RESEARCH EXPERIENCE

- 2021 Mar- **Diving characteristics and energetics of herring-feeding killer whales (*Orcinus orca*) in northern Norway.** Collaborative research effort by University of Saint Andrews, Norwegian Orca Survey, Stanford University, and University of California Santa Cruz.
- 2020 Jun- **Differences in presence, abundance, and behavior of opportunistic associates in relation to humpback feeding strategies across various sites.** Contracted project with University of California Santa Cruz.
- 2019 Jan-May **Are Kentucky BMPs protecting streams from the long-term effects of timber harvesting?** Semester-long capstone project with University of North Carolina at Chapel Hill in partnership with University of Kentucky.
- 2018 May-Jun **The movement of plastics through marine ecosystems and how it influences bioavailability and uptake into marine biota.** Collaborative research effort by Galápagos Science Center, Galápagos Conservation Trust, and University of Exeter.
- 2018 Feb-May **Spatial and behavioral analysis of sea turtles in the Galápagos Islands.** *Tortuga Negra Project.* Galápagos Science Center in partnership with University of North Carolina at Chapel Hill.
- 2018 Apr **A comparison of fish functional group assemblages across dive sites north of Santa Cruz, Galápagos, Ecuador.** 4-week independent research project with la Universidad San Francisco de Quito.
- 2018 Mar **Dramatic contrasts in age distributions of *Grapsus grapsus* at varying sites of human impact suggest unregulated harvesting.** 4-week independent research project with la Universidad San Francisco de Quito.
- 2018 Feb **Analysis of fluctuations in population size and demographic of *Zalophus wollebaeki*.** 4-week independent research project with la Universidad San Francisco de Quito.
- 2018 Jan **Decrease in weight, length, and abundance of whelk species in relation to sites of high human impact along the Ecuadorian Coast.** 4-week independent research project with la Universidad San Francisco de Quito.

FELLOWSHIPS AND GRANTS

- 2021 **University of California, Santa Cruz Graduate Student Researchship** (\$8,312)
- 2021 **University of California, Santa Cruz Regents Fellowship** (\$16,624)

PRESENTATIONS

Torello, A., Harding, C., Hessler, B., Lasley, B., Marin, B., Nelsen, M., Oliveira, K., & Piefke, S. Do riparian buffer zones protect headwater stream integrity from logging? Spring Environmental Capstone Showcase, Wilson Library, Chapel Hill, North Carolina, USA. May 2019.

Torello, A.P. & Oliveira, K.S. Research on sea turtles and plastic pollution in the Galápagos archipelago. Seminario: Proyectos Independientes del Programa Prepa. Galápagos Science Center, Isla San Cristóbal, Galápagos, Ecuador. June 2018.

EMPLOYMENT AND LEADERSHIP EXPERIENCE

- 2020 – *Research assistant, **Biotelemetry and Behavioral Ecology Lab at UCSC***
Contracted research assistant. Performing analysis of the behavioral ecology of humpback whales and the relative behavior of associate organisms using waterproof camera technology attached to the back of the whale joined with a satellite tag; recording and evaluating observations of humpback behavior along with opportunistic associates.
- 2020 – 2021 *Field technician, **Pinniped Lab at UCSC***
Contracted part-time field technician. Responsible for field data collection efforts with the Año Nuevo Northern Elephant Seal colony, including re-sighting, marking, tagging, and bioacoustics experiments, along with data offloading, entry, and organization.
- 2016 – 2020 *Business manager, **The Loreleis***
Primary contact, business representative, and member of executive board for UNC-CH's premiere, all-female a cappella group. Coordinator of all gigs and performance opportunities (1-3 gigs and two 3-hr rehearsals weekly); responsible for building and maintaining professional client relationship. Assist in composition of repertoire.
- 2019 – 2020 *Events coordinator, **SCUBA Club***
Primary contact and member of the executive board for UNC-CH's SCUBA diving club. In charge of scheduling all group events, general body meetings, fundraisers, etc. Maintain and build on- and off-campus relationships.
- 2019 May-Aug *Research intern, **Sarasota Dolphin Research Program (in conjunction with Chicago Zoological Society, located at Mote Marine Laboratory)***
Full-time student research intern. Assisted in various field and lab projects with the Sarasota Bottlenose Dolphin population, including photo-ID (with ACDSee and FinBase), annual health assessments, dolphin-prey fishing, synoptic surveys, focal follows, and more. Assisted with data collection, organization, and entry.
- 2018 Apr-Jun *Research intern and teaching assistant, **Galápagos Science Center***
Full-time student research intern. Performed analysis of the spatial ecology of sea turtles using waterproof camera technology attached to the carapace of the turtle shell joined with an acoustic tag; recorded and evaluated observations of sea turtle behavior.
- 2018 Feb-Jun *English teacher, **MUYU Galápagos***
Instructed beginner, intermediate, and advanced English classes to staff twice weekly.
- 2016 – 2017 *English teacher, **Strasbourg Amitiés USA***
Full-time instructor tasked with innovating and leading various creative activities during a 4-week summer intensive in the dramatic arts to teach and practice English with international students.

PROFESSIONAL SOCIETIES

- 2019 – **The Society for Marine Mammalogy**
- 2019 – **The Ecological Society of America**

TECHNICAL SKILLS, CERTIFICATIONS, AND HONORS

Computer programs | Proficient: RStudio, Visual Studio Code; HTML, JavaScript, Leaflet; ArcGIS, QGIS; BORIS, ACDSee, FinBase; Microsoft Word, Excel, and Powerpoint. Basic training: MatLab, Python.

Certifications | PADI Advanced Open Water Diver; Florida Boating Safety License.

Honors | Carolina Research Scholar, Dean's List Fall 2019 and Spring 2020.

Languages | Basic conversation in Spanish and French.

Field research and laboratory techniques | Cetacean and sea turtle photo-ID, focal follows, synoptic surveying, satellite and radio tracking, cetacean necropsies, playback experiments, gill net catch and release, seine nets, above- and below-water still photography and video surveys, manta tows, plankton drags, Van Veen sediment grabbing, quadrat and transect surveying, YSI water-sensing instrument, and more.

REFERENCES

Dr. Caroline Casey, PhD

Director of Education, California Ocean Alliance

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Dr. Katherine McHugh, PhD

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