

Arianna P. Torello, Curriculum Vitae

5085 Wilder Drive, Apt B, Soquel, CA 95073

+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

- 2021 – *Interpretive naturalist and guide, **Kayak Connection***
Part-time. Responsible for overseeing and creating pleasant customer experiences through rentals and tours; leading various kayak tours on the Elkhorn Slough and out of the Santa Cruz Harbor; maintaining equipment in the yard and on the dock.
- 2020 – *Research assistant, **Biotelemetry and Behavioral Ecology Lab at UCSC***
Contracted, part-time. 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. 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. 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. 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

Tel: +1 (510) 541-1066

E-mail: ccasey@caoceanalliance.org

Dr. Katherine McHugh, PhD

Staff Scientist, Sarasota Dolphin Research Program

Tel: +1 (941) 388-4441, ext. 450

E-mail: kmchugh@mote.org

Dr. Ari Friedlaender, PhD

Associate Researcher and Professor, UC Santa Cruz

Tel: +1 (919) 672-0103

E-mail: arsfried@ucsc.edu

Dr. Geoffrey Bell, PhD

Teaching Associate Professor, UNC Chapel Hill

Tel: +1 (919) 843-9713

E-mail: gwbell@email.unc.edu