

Xochitl S. Clare
Marine Science Institute
University of California, Santa Barbara

EDUCATION

2017 - present **University of California, Santa Barbara (UCSB)**
Ph.D. Candidate, Ecology, Evolution & Marine Biology (EEMB)
Advisor: Professor Gretchen Hofmann

2012 - 2017 **University of California, Santa Cruz (UCSC)**
Bachelor of Science in Marine Biology
Bachelor of Arts in Theater Arts

FELLOWSHIPS & AWARDS

2020 National Science Foundation Graduate Research Fellowship Program (NSF-GRFP) (2020-2023)
UCSB Hansma Fellowship Award (2020)

2018 - 2019 UCSB EEMB Graduate Department Residual Funds (Spring 2018)
Ford Foundation Fellowships Honorable Mention (2018)
UCSB Bridge to the Doctorate (BD) Fellowship (2017 - Summer 2020)
UCSB EEMB Graduate Fellowship (Summer 2017 - 2018)

2015 - 2017 UCSC Kenneth and Ann Thimann Scholarship (2017)
UCSC Dean's Undergraduate Research Award for Senior Thesis: *Energy Densities of Forage Fish from the Mesopelagic Zone of the North Pacific Ocean and Its Implications for a High-Level Marine Predator, the Northern Elephant Seal* (2017)
UC San Diego Scripps Undergraduate Research Fellowship (SURF) (2016)
California Alliance for Minority Participation (CAMP) Stipend (2015)

PROFESSIONAL EXPERIENCE

Research

2018 - present **University of California, Santa Barbara, Santa Barbara Coastal Long Term Ecological Research Project**
Hofmann Lab: Graduate Researcher; Investigating climate change stressors (ocean acidification and warming) on feeding ecology, reproduction, and early life stages of the Kelleys' whelk

2016 **Scripps Institute of Oceanography (SIO), University of California, San Diego**
Deheyn Lab: Visiting Researcher; *Ocean Acidification (OA) Affects the Nervous System in Marine Invertebrates—The Case of a Luminous Brittlestar*: Organized 6-week OA experiment on bioluminescent brittlestars

Research

- 2014 - 2017 **UCSC Institute of Marine Sciences (IMS): Joseph M. Long Marine Laboratory (LML)**
 Palkovacs Lab: Intern; *Local Adaptation in a Shell-drilling Predator*, Dogwhelk Sea Snail Ocean Acidification Experiment (2015-2017)
 Costa Lab: Intern; *Elephant Seal Prey-Energy Library* (2014-2016)
 Partnership for Interdisciplinary Studies of Coastal Oceans (PISCO): Volunteer; Rockfish Dispersal fieldwork and data entry, mussel rehabilitation (2014)
- 2014 **National Oceanic and Atmospheric Administration (NOAA) Fisheries Santa Cruz Laboratory**
 Volunteer; E-Fishing Salmon Population Survey (2014)
 National Marine Fisheries Service (NMFS): Intern; Salmonid Food Web History (2014)

Teaching & Advising

- 2021 - present **University of California, Santa Barbara**
 McNair Scholars Program Staff, Graduate Student Mentor
- 2020 **University of California, Santa Barbara**
 Writing Consultant; NSF-GRFP Application Reviewer
 Reader; Introduction to Biology (EEMB 3L)
- 2018 **University of California, Santa Barbara**
 Teaching Assistant; Introduction to Biology Lab (EEMB 3L)
 Teaching Assistant; Ecology of Infectious Disease (EEMB 40)

GRANTS IN SUPPORT OF RESEARCH

- 2020 Restore America's Estuaries Scholarship for 2020 National Coastal & Estuarine Virtual Summit (\$100)
 Conchologists of America Academic Grant (\$1,700)
- 2019 UCSB Associated Students Coastal Fund (\$13,279)
- 2018 UCSB EEMB Graduate Department Residual Funds (\$1,300)
- 2016 - 2017 Carl Storm Underrepresented Minority (CSURM) Fellowship for 2018 Predator-Prey Interactions GRC (\$600)
 Association for the Sciences of Limnology and Oceanography Multicultural Program (ASLOMP) Award (\$2000)
 UCSC Kresge College Collaborative Student Project Award: *Rethinking Natural History* (\$500)
 UCSC Porter College Undergraduate Project Fellowship: *Rethinking Natural History* (\$1000)
 UCSC Future Coastal Leaders Award (\$1000)

PUBLICATIONS

- 2021 Clare, X.S., Hofmann, G.E. *Larval thermal tolerance as a window into the resilience of a wild shellfish fishery to marine heatwaves*, Journal of Shellfish Research (In Review)

PROFESSIONAL ACTIVITIES

Presentations

- 2020 Clare, X.S., Hofmann, G.E. *Snails on the menu?: Using long-term ecological data to contextualize performance of a California kelp forest predator and emerging fishery species, Kelletia kelletii*. Western Society of Naturalists, Oral Presentation
- Clare, X.S., Hofmann, G.E. *Snails on the menu?: Using long-term ecological data to contextualize performance of a California kelp forest predator and emerging fishery species, Kelletia kelletii*. Gulf & Caribbean Fisheries Institute 73rd Annual Meeting, Oral Presentation
- 2019 **SACNAS Graduate Chapter & Bridge to the Doctorate Fellows, *Being Your Authentic Self in Graduate School: Community, Advocacy, and Resilience: Excelling Together***. Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS), Session Leader
- SACNAS Graduate Chapter & Bridge to the Doctorate Fellows, *Being Your Authentic Self in Graduate School: Community, Advocacy, and Resilience: Excelling Together***. UCSB Center for Science and Engineering Partnerships: Professional Development Series, Session Leader
- Clare, X.S., Hofmann, G.E. *Snails on the menu?: Using long-term ecological data to contextualize performance of a California kelp forest predator and emerging fishery species, Kelletia kelletii*. World Congress of Malacology, Oral Presentation
- UCSB Research Experience & Education Facility (REEF), REEFlections, REEF Undergraduate Research Symposium, Symposium Founder & Director**
- 2018 Clare, X.S., Hofmann, G.E. *Snails on the menu? Investigating ocean acidification impacts on kelp forest predator, K. kelletii*. Long Term Ecological Research All Scientists Meeting, Poster Presentation
- Clare, X.S., Hofmann, G.E. *Snails on the menu? Investigating ocean acidification impacts on kelp forest predator, K. kelletii*. UC Davis, Bodega Marine Laboratory Meeting, Oral Presentation
- Clare, X.S., Hofmann, G.E. *Arms race in the Anthropocene: How will juvenile sea hare inking defenses fare in the future?* Gordon Research Conference (GRC) on Predator-Prey Interactions, Poster Presentation
- 2015-2017 Clare, X.S., Contolini, G., Palkovacs, E. *Local Adaptation in a Shell-Drilling Predator*. Western Society of Malacologists (WSM), Oral Presentation
- Clare, X.S., Contolini, G., Palkovacs, E. *Local Adaptation in a Shell-Drilling Predator*. Monterey Area Research Institutions' Network for Education (MARINE) Oceans Colloquium, Oral Presentation

Presentations

- 2015-2017 **Clare, X.S., Deheyn, D.D.** *Ocean Acidification Affects the Nervous System in Marine Organisms—The Case of a Luminous Invertebrate*. Association for the Sciences of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting, Poster Presentation
- Clare, X.S., Deheyn, D.D.** *Ocean Acidification Affects the Nervous System in Marine Organisms—The Case of a Luminous Invertebrate*. Western Society of Naturalists (WSN), Poster Presentation
- Clare, X.S., Maresh, J.L., Goetsch, C., Costa, D.P.** *Elephant Seal Prey-Energy Library*. California Alliance for Minority Participation (CAMP) Statewide Symposium, Poster Presentation
- Clare, X.S., Maresh, J.L., Goetsch, C., Costa, D.P.** *Elephant Seal Prey-Energy Library*. UCSC Division of Physical and Biological Sciences & Baskin School of Engineering 18th Annual Undergraduate Research Poster Symposium, Poster Presentation

Media & Spotlights

- 2021 **Professional Association of Diving Instructors (PADI) AmbassaDiver**; Social Media Presentations
- 2020 **Black in Marine Science Week**; Social Media Organizer & Instagram Takeover
- Los Padres ForestWatch**; Latinx Conservation Week Live Chat
- UCSB Graduate Division Spotlight**; *GradStories*
- Girls that Scuba, Girls that Freedive**; Instagram Feature
- Sirene Project**; Website Profile, Instagram Feature
- USCB Coastal Fund**; Grantee Website and Facebook Feature
- Women Doing Science**; Instagram Takeover
- 2018 - 2019 **UCSB Graduate Division Spotlights**; Pamphlets & Booklets, Department flyers, Instagram Takeover: *A Day in the Life Of*, USCB Campus Banners, USCB Home Page Feature: *Voices*
- Women in Ocean Science**; Instagram Profile
- Santa Barbara Museum of Natural History**; Instagram Profile
- UCSB Women into Science and Engineering (WiSE)**; Instagram Profile
- UCSC Home Page Featured Article**: *Dancing Biologist* (2015)

SERVICE

Academic & Departmental

- 2021 **Speaker**; “*All-Gaucha Reunion*”, UCSB Research Experience & Education Facility, Virtual Seminar
- Seminar Speaker**; “*Turning Up the Heat: Climate Science in Action*”, Outreach Santa Barbara County (K-12), UCSB Research Experience & Education Facility, Virtual Seminars

Academic & Departmental

- 2021 **Graduate Student Mentor;** UCSB Field-based Undergraduate Engagement through Research, Teaching, and Education (FUERTE), Panels & Seminars
- Speaker;** “*Green Careers: Graduate Studies*”, UCSC Career Center, Virtual Panel
- Speaker;** “*Graduate School for Environmental Professions*”, UCSB Making Adventures Possible for all Students (MAPAS), Virtual Panel
- 2020 **Invited Lecturer;** UCSC Center to Advance Mentored, Inquiry-Based Opportunities (CAMINO), Virtual Seminar
- Invited Lecturer;** UCSC Doris Duke Conservation Scholars Program, Virtual Seminar
- Commencement Speaker;** UCSC STEM Diversity Program Virtual Commencement Ceremony
- Seminar Speaker;** UCSB “*Thriving, Not Surviving: Navigating Higher Education as a First-Generation College Student*” Virtual Program, in collaboration with the UCSB McNair Program, Opening New Doors to Accelerate Success (ONDAS) Student Center, Transfer Student Center (TSC), and Education Opportunity Program (EOP)
- Virtual Research Symposium Director;** UCSB Research Experience & Education Facility (REEF), REEFlections, REEF Undergraduate Research Symposium
- 2018 - 2019 **Research Symposium Founder & Director;** UCSB Research Experience & Education Facility (REEF), REEFlections, REEF Undergraduate Research Symposium (2019)
- Research Mentor;** UCSB Ocean Global Change Biology Research Experience for Undergraduates (REU), Project: *Feeding Behavior in Warming Seas* (2018)
- Mentor & Seminar Leader;** University of California Leadership Excellence through Advanced Degrees (UC LEADS) Graduate Student Super-Mentor & Professional Development Seminar Series Leader (*Designing Your Poster, Presenting Your Work*) (2018)
- Panelist & Tour Leader;** UCSB Marine Science Institute Tour for UC-Historically Black Colleges and Universities (HBCU) Initiative Undergraduates (2018)
- 2015 - 2017 **Mentor;** University of California Leadership Excellence through Advanced Degrees (UC LEADS) UCSB Graduate Student Super-Mentor (Career Counseling)
- Docent;** UCSB Coal Oil Point Reserve Snowy Plover Docent Program
- Oral Presentation;** UCSC STEM Transfer Day Outreach Symposium
- Panelist;** UCSC *Navigating the Research University*
- Panelist;** UCSC Hellen and Will Webster Foundation Board Meeting

Public Service & Outreach

- 2018-2019 **Field Work Volunteer;** BIOMA Sea Turtle Research Conservation Program, Ostional Wildlife Refuge, Costa Rica
- Representative;** UCSB Rachel's Network Meeting: Graduate Student Representative for UCSB EEMB Department
- Presenter;** World Oceans Day, Santa Barbara Museum of Natural History, Sea Center
- 2015 - 2017 **Volunteer;** Santa Barbara Family Ultimate Science Exploration (FUSE) Program
- Guest Instructor;** La Joya Elementary Science Week: *Ocean Creatures of Monterey Bay* Interactive Workshop
- Representative;** Seymour Marine Discovery Center Global Oceans Awards Gala: FLML Student Research and Education Award
- Panelist;** Crescenta Valley High School, Academy of Science and Medicine
- Oral Presentation;** First Annual UCSC Downtown Parade and Expo: *Elephant Seal Prey-Energy Library*

STEAM

- 2018 - 2019 **Producer, Director;** *STEAMy Improv Workshops* for UCSB Ecology of Infectious Disease (EEMB 40) course sections in collaboration with UCSB EEMB, Theater & Dance, Center for Innovative Teaching, Research (CITRAL) Departments
- 2017 **Producer, Director;** UCSC Educational Performance Production: *Rethinking Natural History: Bridging understanding of the natural world through performance art*