

Xochitl S. Clare**EDUCATION**

- 2017 - 2023 **University of California, Santa Barbara (UCSB)**
 Doctor of Philosophy in Ecology, Evolution & Marine Biology (EEMB)
 Dissertation 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

- 2023 - present Washington Research Foundation Postdoctoral Fellowship (2023-2026)
- 2020 - 2023 BioOne Ambassador Award; Nominated By The National Shellfisheries Association (2023)
- Smith Conservation Research Fellowship Program Honorable Mention (2023)
- National Science Foundation Graduate Research Fellowship Program (NSF-GRFP) (2020 - 2023)
- UC President's Pre-Fellowship (2022 - 2023)
- Reef Check Kelp Forest Monitoring Training: 2022 SCUBA Diversity Scholarship
- 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)
- Carl Storm Underrepresented Minority (CSURM) Fellowship for 2018 Predator-Prey Interactions GRC (\$600)
- 2017 Association for the Sciences of Limnology and Oceanography Multicultural Program (ASLOMP) Award (\$2000)
- UCSC Kresge & Porter College Collaborative Student Project Award: *Rethinking Natural History* (\$1000)
- 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)

PROFESSIONAL EXPERIENCE

Research

- 2023 - present **University of Washington, School of Aquatic and Fishery Sciences, Padilla-Gamiño Lab: Postdoctoral Researcher (2023-2026);** Connecting academic and local non-governmental organizations to mitigate anthropogenic stressors in tropical marine protected areas
- 2017 - 2023 **University of California, Santa Barbara, Santa Barbara Coastal Long Term Ecological Research Project, Hofmann Lab: Doctoral Researcher (2017-2023);** Investigating climate change stressors (ocean acidification and warming) on feeding ecology, reproduction, and early life stages of the Kellet's whelk
- Smithsonian Tropical Research Institute, Collin Lab: Visiting Researcher (2023);**
Investigating the impact of fluctuating marine heatwave treatments on adult and larval tropical urchins
- 2016 - 2017 **Scripps Institute of Oceanography (SIO), University of California, San Diego, Deheyn Lab: Visiting Researcher (2016);**
Ocean Acidification (OA) Affects the Nervous System in Marine Invertebrates—The Case of a Luminous Brittlestar
- 2014 - 2016 **UCSC Institute of Marine Sciences (IMS): Joseph M. Long Marine Laboratory (LML)**
- Palkovacs Lab: Intern; *Local Adaptation in a Shell-drilling Predator*, Dog-whelk Sea Snail Ocean Acidification Experiment (2015 - 2017)
- Costa Lab: Intern; *Elephant Seal Prey-Energy Library* (2014 - 2016)

Mentoring

- 2021 - present **University of California, Santa Barbara**
- Research Mentor;** UCSB Ocean Global Change Biology Research Experience for Undergraduates (REU), Project: *TurnUp2.0: Exploring Marine Heatwave Impacts on Early Development & Larval Thermotolerance in K. kelletii Larvae in Santa Barbara, California* (2022)
- Curriculum Designer for Mentor Training;** Field-based Undergraduate Engagement through Research, Teaching, and Education (FUERTE)
- Graduate Student Mentor;** McNair Scholars Program
- 2020 **Writing Consultant;** NSF-GRFP Application Reviewer

Mentoring

- 2018 **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)

Teaching

- 2018 - 2020 **Teaching Assistant & Reader;** Introduction to Biology Lab, Ecology of Infectious Disease

PUBLICATIONS

- 2023 **Clare, X.S.,** Kui. L., Hofmann, G.E., *Thermotolerance of a wild shellfish fishery under fluctuating marine heatwave conditions*, Journal of Shellfish Research (Submission planned for Fall 2022)
- Clare, X.S.,** Adler-Kassner, L., *REEFlections: Exploring undergraduate experiences in navigating virtual science communication*, Journal of Diversity in Higher Education (Submission planned for Fall 2022)
- 2022 **Clare, X.S.,** Dillon Whited et al., *Length-weight relationship of the kelp forest gastropod and emerging fisheries species Kellet's whelk, *Kelletia kelletii**, Journal of Shellfish Research (Submitted)
- Clare, X.S.,** Hofmann, G.E., Kui. L., *Larval thermal tolerance as a window into the resilience of a wild shellfish fishery to marine heatwaves*, Journal of Shellfish Research (In Press)

GRANTS IN SUPPORT OF RESEARCH

- 2020 - 2021 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)
- Funds to support the construction of a tank system for marine heatwave research*
- 2018 UCSB EEMB Graduate Department Residual Funds (\$1,300)

PROFESSIONAL ACTIVITIES

Internships & Special Training

- 2022 - present **OceanX Young Explorers Program (2023):** Led film and media segments on ocean warming experiments, aboard the *OceanXplorer*
- Coastal Media Project (2022):** UCSB Department of Film and Media Studies & Carsey-Wolf Center, Executive Producer; *Beyond Access*, a film on the importance of equitable access to nature in Santa Barbara
- Stanford University Postdoctoral Recruitment Initiative in Sciences and Medicine (PRISM) Program (2022)**
- American Academy of Underwater Sciences (AAUS):** UCSB Scientific Diving Program (2018 - present)

Workshops & Symposia

- 2020 - 2022 **Workshop Leader; 2022 LTER All Scientists' Meeting**
Guillen, M., Hofmann, G.E., Clare, X.S., *A tool kit to support inclusive mentoring practices*: Led a workshop for graduate students and postdocs to hone field and lab based mentoring skills
- Founder & Director; UCSB Research Experience & Education Facility (REEF), REEFlections**, 2020 - 2022 REEF Undergraduate Research Symposium, Symposium (Virtual and In-Person)
- 2017 - 2019 **Session Leader; 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)
- Founder & Director; UCSB Research Experience & Education Facility (REEF), REEFlections**, 2019 REEF Undergraduate Research Symposium, Symposium

Conference Presentations

- 2020 - 2022 **Clare, X.S., Hofmann, G.E. *Thermotolerance of a wild shellfish fishery under fluctuating marine heatwave conditions***. 2022 Western Society of Naturalists, Oral Presentation
- Santa Barbara Coastal Long Term Ecological Research Group. *Benthic community and organismal responses to disturbance in Santa Barbara Channel kelp forests***. 2022 LTER All Scientists' Meeting, Poster Presentation

Conference Presentations

- 2020 - 2022
- Clare, X.S.,** Hofmann, G.E. *Turning Up the Heat: Examining the effects of parental temperature environments on the quality of progeny in a fished marine invertebrate.* 2021 Western Society of Naturalists, Virtual Oral Presentation
- Clare, X.S.,** *REEFlections Testimonios: Exploring undergraduate experiences in navigating virtual scientific storytelling.* 2021 Ecological Society of America Annual Meeting, Virtual 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*.* 2020 Western Society of Naturalists, Virtual 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*.* 2020 Gulf & Caribbean Fisheries Institute 73rd Annual Meeting, Virtual Oral Presentation
- 2017 - 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
- Founder & Director; UCSB Research Experience & Education Facility (REEF), *REEFlections*,** 2019 REEF Undergraduate Research Symposium, Symposium
- 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*.* 2019 World Congress of Malacology, Oral Presentation
- 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

Conference Presentations

- 2015 - 2017 **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
- 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, 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

Film, Media & Spotlights

- 2022 - present **Podcast Guest;** “*Intersectionality & Graduate School*” Grad School Femtoring Podcast (2022)
- Podcast Guest;** “*Intersectional Marine Biology*” Greenhouse Sass (2022)
- Guest Host;** “*Chocolate Baby Storytime*” Guest Marine Biologist (2022), Healing Justice Santa Barbara
- 2021 - 2022 **Sound;** “*Ghosts on the Horizon*” (2021), GreenScreen Environmental Media Production, UCSB Department of Film and Media Studies & Carsey-Wolf Center
- Professional Association of Diving Instructors (PADI) AmbassaDiver;** Women’s Dive Day Organizer, Panels (Diversity & Inclusion in Scuba Diving, International Day of Women & Girls in Science), Instagram & Blog
- UCSB Santa Barbara Coastal Long Term Ecological Research Outreach** (Vimeo, TikTok, Instagram)
- 2019 - 2020 **Black in Marine Science Week;** Social Media Organizer & Instagram Takeover
- Los Padres Forest Watch;** Latinx Conservation Week Live Chat
- UCSB Graduate Division Spotlight;** *GradStories*
- Girls that Scuba, Girls that Freedive;** Instagram Feature

Film, Media & Spotlights

- 2019 - 2020 **Sirene Project;** Website Profile, Instagram Feature
- USCB Coastal Fund;** Grantee Website and Facebook Feature
- 2018 - 2019 **Women Doing Science;** Instagram Takeover

UCSB Graduate Division Spotlights; Pamphlets & Booklets, Department flyers, Instagram Takeover: *A Day in the Life Of*, UCSB Campus Banners, UCSB Home Page Feature: *Voices*

Women in Ocean Science; Instagram Profile

Santa Barbara Museum of Natural History; Instagram Profile

SERVICE

Invited Lectures

2021 - present

Speaker; “*Outdoor Liberation Speaker Series*”, Latino Outdoors, The North Face, VF Corporation, Panel (2022)

Plenary Speaker; *Generations*. 2022 LTER All Scientists' Meeting, Panel

Speaker; “*Agua Es Vida*”, Latino Conservation Week, Latino Outdoors, Virtual Panel (2022)

Speaker; “*Graduate Studies*”, UCSC Younger Lagoon Reserve Internship Program, Virtual Panel

2019 – 2020

Speaker; “*Green Careers: Graduate Studies*”, UCSC Career Center, Virtual Panel (2020)

Speaker; “*Graduate School for Environmental Professions*”, UCSB Making Adventures Possible for all Students (MAPAS), Virtual Panel

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

Academic & Departmental

2021 - present

Graduate Student Mentor; UCSB Field-based Undergraduate Engagement through Research, Teaching, and Education (FUERTE), Panels & Seminars

Seminars; “*Turning Up the Heat: Climate Science in Action*”, Outreach Santa Barbara County (K-12), UCSB REEF Virtual Seminars

Academic & Departmental

2019 - 2020

Speaker; “*All-Gaucho Reunion*”, UCSB Research Experience & Education Facility, Virtual Seminar

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)

Public Service & Outreach

2018-2019 **Field Work Volunteer;** BIOMA Sea Turtle Research Conservation Program, Ostional Wildlife Refuge, Costa Rica

Presenter; World Oceans Day, Santa Barbara Museum of Natural History, Sea Center

STEAM (Science, Technology, Engineering, Art, and Mathematics)

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*