

## Xochitl S. Clare

Postdoctoral Researcher, Washington Research Foundation Fellow  
University of Washington, School of Aquatic & Fishery Sciences  
[xochic@uw.edu](mailto:xochic@uw.edu) | (818) 568-3893 | [www.dancingbiologist.com](http://www.dancingbiologist.com)

### EMPLOYMENT

	<b>Postdoctoral Researcher</b>
	Washington Research Foundation Fellow
2023 - present	University of Washington, School of Aquatic and Fishery Sciences Supervisor: Professor Jacqueline Padilla-Gamiño
2017 - 2023	<b>Curriculum Design for Mentor Training;</b> Field-based Undergraduate Engagement through Research, Teaching, and Education (FUERTE) <b>Graduate Student Mentor;</b> McNair Scholars Program <b>Writing Consultant;</b> NSF-GRFP Application Reviewer <b>Teaching Assistant &amp; Reader;</b> Introduction to Biology Lab, Ecology of Infectious Disease

### EDUCATION

2017 - 2023	<b>University of California, Santa Barbara (UCSB)</b> Doctor of Philosophy in Ecology, Evolution & Marine Biology (EEMB) Dissertation Advisor: Professor Gretchen Hofmann <b>University of California, Santa Cruz (UCSC)</b> Bachelor of Science in Marine Biology Bachelor of Arts in Theater Arts
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### FELLOWSHIPS & AWARDS

2023 - present	Washington Research Foundation Postdoctoral Fellowship (2023-2026) 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-Professoriate Fellowship (2022 - 2023) Conchologists of America Academic Grant (2020) (\$1,700) UCSB Bridge to the Doctorate (BD) Fellowship (2017 - 2020)
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### PROFESSIONAL EXPERIENCE

#### Research

2017 - present	<b>University of Washington, School of Aquatic and Fishery Sciences, Washington Research Foundation Postdoctoral Researcher, Padilla- Gamiño Lab (2023 – 2026):</b> <b>The EcoTrace Project (2023-2026):</b> Investigating the ecological and social impacts of heavy metal contamination in Placencia, Belize via ecotoxicology, physiology, community interviews & coastal media (UW IRB STUDY00020866)
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- 2017 - present      **Cuc Squad Initiative (2024):** STEM Education Through Teamwork, Program Founder & Director, UW Education pilot for marine science undergraduate research on sea cucumber aquaculture (UW Human Subject IRB Study ID #00020189)
- University of California, Santa Barbara, Santa Barbara Coastal Long Term Ecological Research Project, Hofmann Lab:**
- Doctoral Researcher;** 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; Local Adaptation in a Shell-drilling Predator, Dog-whelk Sea Snail Ocean Acidification Experiment (2015 - 2017)
- Costa Lab; Elephant Seal Prey-Energy Library (2014 - 2016)

### **Environmental Arts, Media & STEAM**

- 2022 - present      **Otra Voz, Sci-Stories Project, Producer, Director & Host, Smithsonian Tropical Research Institute (2022 - 2026);** Developed *Otra Voz*, a film project spotlighting ocean heroes in Bocas del Toro, Panama via interviews over the course of a year
- Beyond Access, Coastal Media Project, Producer & Host, UCSB Film & Media (2022);** Produced and hosted for a film project on the importance of equitable access to nature in Santa Barbara, CA
- 2018 - 2019      **STEAMy Improv Workshops, Producer, Director:** Directed UCSB Ecology of Infectious Disease (EEMB 40) course sections in collaboration with UCSB EEMB, Theater & Dance, Center for Innovative Teaching, Research (CITRAL) Departments

### **Mentoring & Education**

- 2019 - 2023      **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)
- 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)

## PUBLICATIONS

- 2024 - present **Clare, X.S.,** S. Simon, Hofmann, G.E. REEFlections: Exploring undergraduate experiences in navigating virtual science communication, *Journal of Diversity in Higher Education* (To be submitted Winter 2025)
- Clare, X.S.,** Hofmann, G.E., Stalled larval development of a wild shellfish species, the Kelle's whelk, under a marine heatwave simulation, *Conservation Physiology* (Submitted Fall 2024)
- Gosnell, J. S., **Clare, X.S.,** D. Whited, J. Chiu, S. Huie, D. Zacherl, and C. White. 2024. Length-Weight Relationship of the Kelp Forest Gastropod and Emerging Fisheries Species, Kelle's Whelk, *Kelletia kelletii*. *Journal of Shellfish Research* 42:501-506.
- 2023 Hofmann, G.E., V. Beaufort, **Clare, X.S.,** and M. Phommasa. 2023. Mentoring the Mentors: A workshop series to support inclusive mentoring practices. *Oceanography* 36(4):116–120
- 2022 **Clare, X.S.,** Li Kui, and Gretchen E. Hofmann. "Larval Thermal Tolerance of Kelle's Whelk (*Kelletia kelletii*) as a Window into the Resilience of a Wild Shellfishery to Marine Heatwaves." *Journal of Shellfish Research* 41.2 (2022): 283-290.

## GRANTS IN SUPPORT OF RESEARCH

- 2019 - 2021 Conchologists of America Academic Grant (\$1,700)
- UCSB Associated Students Coastal Fund (\$13,279): Turning Up the Heat: Climate Science in Action", an experimental display system in the UCSB REEF campus aquarium for marine heatwave research and outreach

## PROFESSIONAL ACTIVITIES

### Society Membership & Specialized Training Programs

- 2022 - 2025 **BioOne Board of Directors (2025):** Supporting BioOne's strategic activities and monitoring the direction and impact of the organization
- Research University Alliance (RUA) Exchange Program (2024):** Research Exchanges support STEM postdocs and Ph.D. students with travel funds to visit and network at one of eight prestigious R1 partner universities.
- Stanford University Postdoctoral Recruitment Initiative in Sciences and Medicine (PRISM) Program (2022)**

**Society Membership & Specialized Training Programs**

2022 - 2023      **American Academy of Underwater Sciences (AAUS): UCSB Scientific Diving Program (2018 - 2023)**

**Workshops & Symposia**

- 2020 - present      **Workshop Leader; UW Friday Harbor Laboratories**  
**Clare, X.S.,** Hofmann, G.E., *Thinktank on Mentoring in an REU Setting*: Led a workshop for the 2024 cohort of UW Friday Harbor Laboratories REU mentors to hone field and lab based mentoring skills
- 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**, 2019 - 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)

**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
- 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
- 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

**Media Spotlights**

- 2024 - present      **UW Fieldnotes Journal:** “*Connecting Over Sea Cucumbers: The Cuc Squad’s Holistic Science Education Program*” (2024)
- UW News Spotlight:** “*An ambassador for diversity in marine science: a conversation with Xochitl Clare*” (2024)
- Santa Barbara International Film Festival (2024):** Marine Biologist expert featured in *Salt on My Skin*, a film on the importance of equitable access to the ocean
- 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 (2021 – present)
- 2022 - 2023      **Oceanography Spotlight:** Kappel, E. S., Cuker, B. E., Garza, C., Gibson, D., Martinez, C., Todd, W. F., & Xu, C. (2023). Introduction To The Special Issue On Building Diversity, Equity, And Inclusion In The Ocean Sciences. *Oceanography*, 36(4), 6-9.
- Black in Marine Science Week;** Social Media Organizer & Instagram Takeover

**SERVICE**

- 2021 - 2023      **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