

# ANA SOFÍA GUERRA

asg@ucsb.edu | www.anasofiaguerra.com

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## EDUCATION

**UNIVERSITY OF CALIFORNIA SANTA BARBARA**, Santa Barbara, CA.  
Ph.D Candidate | *Ecology, Evolution and Marine Biology* (present)

**STANFORD UNIVERSITY**, Stanford, CA.  
B.S. Honors, Biology | *Ecology and Evolution* (2013).

## SKILLS & CERTIFICATIONS

• Critical thinker • problem solver • adaptable • collaborative

Fluent in MS Office, Adobe Photoshop, Adobe Illustrator, R software

Skilled at data management, research, writing & editing, and public speaking

**Languages:** Fluent in Spanish and English; working knowledge of Portuguese

**Certifications:** CPR & First Aid • PADI Divemaster • AAUS Scientific Diver

## RELEVANT EXPERIENCE

**MCCAULEY LABORATORY, UC SANTA BARBARA EEMB DEPARTMENT**, Santa Barbara, CA  
*Graduate Student Researcher* (2016 - present)

**LINDBLAD EXPEDITIONS/NATIONAL GEOGRAPHIC**  
*Naturalist* (2016 - 2020)

**BENIOFF OCEAN INITIATIVE, UC SANTA BARBARA MARINE SCIENCE INSTITUTE**, Santa Barbara, CA  
*Graduate Student Fellow* (2017 - 2019)

**UC SANTA BARBARA EEMB DEPARTMENT**, Santa Barbara, CA  
*Teaching Assistant - Behavioral Ecology* (2017)

**MARINE SCIENCE RESEARCH EXPERIENCE FOR UNDERGRADUATES.** UCSB & Pennington Marine Science Center  
*Teaching Assistant -* (2017)

**UC SANTA BARBARA EEMB DEPARTMENT**, Santa Barbara, CA  
*Teaching Assistant - Biology of Fishes* (2016)

**MCCAULEY LABORATORY, UC SANTA BARBARA EEMB DEPARTMENT**, Santa Barbara, CA  
*Research Technician* (2015 - 2016)

**YOUNG LABORATORY, UC SANTA BARBARA EEMB DEPARTMENT**, Santa Barbara, CA  
*Research Technician* (2015 - 2016)

**OUR WORLD-UNDERWATER SCHOLARSHIP SOCIETY**  
*2014 North American Rolex Scholar* (2014 - 2015)

**U.S. FISH AND WILDLIFE SERVICE, PACIFIC REGION**, Palmyra Atoll National Wildlife Refuge, USA.  
*Acting Refuge Manager* (2014)

**CALIFORNIA STATE PARKS, NATURAL RESOURCES AGENCY**, Monterey County, CA  
*Natural Resources Park Aid* (2014)

**SEA EDUCATION ASSOCIATION & STANFORD UNIVERSITY DEPARTMENT OF BIOLOGY**, Pacific Grove, CA  
*Teaching Assistant - Stanford @ SEA* (2013)

**MICHELI LABORATORY, STANFORD UNIVERSITY DEPARTMENT OF BIOLOGY**, Pacific Grove, CA  
*Undergraduate Researcher* (2011 - 2013)

**CROWDER LABORATORY, STANFORD UNIVERSITY DEPARTMENT OF BIOLOGY**, Baja California Sur, México  
*Research Assistant* (2013)

**U.S. FISH AND WILDLIFE SERVICE, PACIFIC REGION**, Palmyra Atoll National Wildlife Refuge, USA  
*Volunteer* (2012)

## PEER-REVIEWED PUBLICATIONS

**Guerra AS**, McCauley DJ, Lecchini D, Caselle JE (in review) Effects of fishing down predators on schooling coral reef fish.

**Guerra AS**, Kao AB, McCauley DJ, Berdahl AM (2020) Fisheries-induced selection against schooling behaviour in marine fishes. *Proceedings of the Royal Society B*, 287 (1935).  
doi: 10.1098/rspb.2020.1752

Bertucci F, Maratrat K, Berthe C, esson M, **Guerra AS**, Raick X, ... & Parmentier E (2020) Local sonic activity reveals potential partitioning in a coral reef fish community. *Oecologia*, **193**: 125–134.  
doi: 10.1007/s00442-020-04647-3

Gache C, Bertucci F, **Guerra AS**, Calandra M, Berr T, Lafaye J, Jorissen H, Nugues M, Cossy J, Lecchini D (2019) Effects of *Asparagopsis taxiformis* metabolites on the feeding behavior of post-larval *Acanthurus triostegus*. *Journal of Fish Biology*, 1-4. doi: 10.1111/jfb.14140

**Guerra AS** (2019) Wolves of the sea: managing human-wildlife conflict in an increasingly tense ocean. *Marine Policy*, 99: 369-373. doi: 10.1016/j.marpol.2018.11.002

Garnier Y, Jacob H, **Guerra AS**, Bertucci F, Lecchini D (2019) Evaluation of microplastic ingestion by tropical fish from Moorea Island, French Polynesia. *Marine Pollution Bulletin*, 140: 164-170.  
doi: 10.1016/j.marpolbul.2019.01.038

Wood CL, Zgliczynski BJ, Haupt AJ, **Guerra AS**, Micheli F, Sandin SA (2018) Human impacts decouple a fundamental ecological relationship – The positive association between host diversity and parasite diversity. *Global Change Biology*, doi: 10.1111/gcb.14159

**Guerra AS**, Madigan DJ, Love M and McCauley DJ. (2017) The worth of giants: The consumptive and non-consumptive use value of the giant sea bass (*Stereolepis gigas*). *Aquatic Conservation: Marine and Freshwater Ecosystems*, 1-9, doi: 10.1002/aqc.2837

Young HS, Parker IM, Gilbert, GS, **Guerra AS**, and Nunn CL. (2016) Introduced species, disease ecology and biodiversity-disease relationships. *Trends in Ecology and Evolution*,  
doi:10.1016/j.tree.2016.09.008.

**Guerra AS**, Eckerlin RP, Durden LA, Dowling APG, Robbins RG, Dittmar K, Helgen KM, Agwanda B, Allan B, Hedlund T, and Young HS. (2016) Host-parasite associations in small mammal communities in semiarid savanna ecosystems of East Africa. *Journal of Medical Entomology*, doi: 10.1093/jme/tjw048.

**Guerra AS**, Micheli F, and Wood CL. (2016) Ecology of a vulnerable shorebird in an altered habitat: Bristle-thighed Curlews (*Numenius tahitiensis*) on Palmyra Atoll. *Pacific Science* **70** (2): 159-174.

Wood CL, Sandin S, Zgliczynski B, **Guerra AS**, and Micheli F. (2014) Fishing drives declines in fish parasite diversity and has variable effects on parasite abundance. *Ecology* **95** (7): 1929-1946.

## OTHER PUBLICATIONS

**Guerra AS**. (2017) Scientific justification for existence and scale of the Pacific Marine National Monuments. *Review prepared for: Pew Bertarelli Ocean Legacy, The PEW Charitable Trusts*.

## GRANTS, FELLOWSHIPS & AWARDS

- 2021 – P.E.O. Scholar Award (\$20K)
- 2020 - Directed donation in support of dissertation research (\$3K)
- 2019 - Directed donation in support of dissertation research (\$5K)
- 2018 - Worster Award (in support of undergraduate research mentorship) (\$5K)
- 2017 - Academic Senate Faculty Research Grant (PI: Douglas McCauley) (\$9K)
- 2017 - UCSB Ecology Evolution and Marine Biology Block Grant Award (\$2.5K)
- 2017 - Bloom-Hays Ecological Research Grant (\$500)
- 2016 - National Science Foundation Graduate Research Fellowship (\$134K)
- 2016 - UC Santa Barbara Doctoral Scholars Fellowship (\$53K)
- 2014 - Our World-Underwater Scholarship Society North American Rolex Scholarship (\$25K)
- 2013 - Undergraduate Advising and Research Conference Grant (\$500)
- 2012 - Undergraduate Advising and Research Major Grant (PI: Fiorenza Micheli) (\$6K)
- 2012 - Palmyra Atoll Research Consortium Beginning Scientists Travel Award (\$2K)
- 2012 - Dr. Earl H. Myers and Ethel M. Myers Oceanographic and Marine Biology Trust (\$500)
- 2012 - Vice Provost for Undergraduate Education Grant (\$6K)

## CONTRIBUTED PRESENTATIONS

- 2020 – **EEMB UCSB GRADUATE STUDENT SYMPOSIUM**, Santa Barbara, CA. Talk: *A gull stole my French fry: seabird foraging strategies and nutrient deposition.*
- 2020 – **GORDON RESEARCH CONFERENCE: PREDATOR-PREY INTERACTIONS**, Ventura, CA. Poster: *Risk effects and the behavioral ecology of a socially versatile reef fish.*
- 2019 – **WORSTER AWARD SYMPOSIUM**, Santa Barbara, CA. Talk: *Following fish schools on coral reefs.*  
\*talk given with undergraduate mentee: Elizabeth Jahn
- 2018 - **WESTERN SOCIETY OF NATURALISTS CONFERENCE**, Tacoma, WA. Talk: *Seabird spatial subsidies: Nutrient deposition on coastal islands by a generalist seabird.*  
\*HONORABLE MENTION RAFE SAGARIN AWARD IN OBSERVATIONAL ECOLOGY
- 2018 – **NOAA SCIENCE SEMINAR SERIES**. Webinar: *The worth of giants: The consumptive & non-consumptive use value of giant sea bass.*
- 2017 - **SOCIETY FOR ADVANCEMENT OF CHICANOS/HISPANICS AND NATIVE AMERICANS IN SCIENCE (SACNAS) CONFERENCE**, Salt Lake City, UT. Talk: *Fish schools: Coral reefs and fishing.*
- 2017- **GIANT SEA BASS SYMPOSIUM**, Long Beach, CA. Talk: *The worth of giants: Putting a price on an endangered fish.*
- 2016 - **WESTERN SOCIETY OF NATURALISTS CONFERENCE**, Monterey, CA. Talk: *The worth of giants: Putting a price on an endangered fish.*  
\*HONORABLE MENTION MIA TEGNER AWARD IN APPLIED ECOLOGY/CONSERVATION BIOLOGY
- 2014 - **TALL SHIPS AMERICA CONFERENCE**, San Diego, CA. Talk: *Coral reef ecology on Stanford @ SEA.*
- 2013 - **WESTERN SOCIETY OF NATURALISTS CONFERENCE**, Oxnard, CA. Poster: *The ecology of Bristle-thighed Curlews (*Numenius tahitiensis*) on Palmyra Atoll.*

2013 - **SYMPOSIUM OF UNDERGRADUATE RESEARCH AND PUBLIC SERVICE**. Stanford University, Stanford, CA.  
Poster: *The ecology of Bristle-thighed Curlews on Palmyra Atoll.*

#### **OTHER PRESENTATIONS & OUTREACH**

2019 – **UCSB GRADSLAM COMPETITION**, Santa Barbara, CA. *Finalist*

2019 - **CHANNEL ISLANDS NATIONAL PARK FROM SHORE TO SEA LECTURE SERIES**, Ventura.  
*Invited Presentation*

2018 - **DOS PUEBLOS HIGH SCHOOL**, Santa Barbara. *Presentation*

2018 - **OCEAN CLIMATE SCIENCE FIELD TRIP @ CALIFORNIA ACADEMY OF SCIENCES**, San Francisco. *Volunteer*

2018 - **OCEANS WEEK - EXPLORING BY THE SEAT OF YOUR PANTS**, Google Hangouts. *Invited Presentation*

2017 - **WORLD OCEANS DAY @ SALESFORCE**, San Francisco. *Volunteer*

2017 - **SANTA BARBARA WORLD OCEANS DAY**, Santa Barbara. *Volunteer*

2016 - **BUENA HIGH SCHOOL**, Ventura. *Presentation*

2015 - **OUR WORLD-UNDERWATER SCHOLARSHIP SOCIETY SYMPOSIUM**, The Explorers Club, NY. *Presentation*

2014 - **WHALER'S DIVE CLUB MEETING**, Canoga Park. *Invited Presentation*

#### **COMMUNITY INVOLVEMENT**

**CURRENT – OUR WORLD-UNDERWATER SCHOLARSHIP SOCIETY – Volunteer**  
*(Diversity, Equity and Inclusion Working Group)*  
**THE EXPLORERS CLUB - Member**

**PAST – OUR WORLD-UNDERWATER SCHOLARSHIP SOCIETY – Volunteer (Webmaster)**  
**STANFORD COASTAL SOCIETY**, Stanford, CA - *Member*  
**LA FAMILIA DE STANFORD**, Stanford, CA - *Co-Founder & Co-Chair*  
**STANFORD QUEER/STRAIGHT ALLIANCE**, Stanford, CA - *Co-Chair*  
**STANFORD COLLEGES AGAINST CANCER**, Stanford, CA - *Education Co-Chair*