

# ANASTASIA C. E. QUINTANA

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## EDUCATION

- 2020 **Duke University**, Durham, NC  
**PhD**, Marine Science and Conservation, May 2020 (Advisor: Xavier Basurto)
- 2014 **University of California Santa Barbara**, College of Creative Studies, Santa Barbara, CA  
**BA**, *Highest honors*, Biology, June 2014  
Dean's Honors 2010-4, Honors Program 2010-4

## PROFESSIONAL APPOINTMENTS

- 2023- **Assistant Researcher**, Step III, University of California Santa Barbara, Santa Barbara, CA
- 2023- **Lecturer**, Bren School, University of California Santa Barbara, Santa Barbara, CA
- 2020-22 **Postdoctoral Research Fellow**, University of California Santa Barbara, Santa Barbara, CA (funded by NSF SBE Postdoctoral Research Fellowship)

## PROFESSIONAL SUMMARY

Professional researcher with strong funding record (\$1.8 million as lead PI) studying social dimensions of small-scale fisheries and marine conservation using mixed qualitative and quantitative methods. Key areas of research: fisheries anthropology; common-pool resource theory; resource dilemmas; social-ecological systems; blue foods; blue justice. Geographic expertise in Latin America and the global South.

## PUBLICATIONS

### Peer-reviewed academic journal articles

- 2022 **Quintana, A.**, Marcos, S., Malpica-Cruz, L., Tamayo, L., Canto Noh, J.A., Fernandez, F., and Fulton, F. 2022. "Socioeconomic dilemmas of commercial markets for invasive species: Lessons from lionfish in Mexico". *ICES Journal of Marine Science*. <https://doi.org/10.1093/icesjms/fsac205>
- 2022 Elsler, L.G., **Quintana, A.**, Giron-Nava, A., Oostdijk, M., Stefanski, S., Basurto, X., Nenadovic, M., Espinosa Romero, M.J., Weaver, A.H., Rodriguez Van Dyck, S., and Tekwa, E.W. "Strong collective action enables valuable and sustainable fisheries for cooperatives". *Environmental Research Letters* 17(10), p.105003. <https://doi.org/10.1088/1748-9326/ac9423>
- 2021 Malpica-Cruz, L., Fulton, S., **Quintana, A.**, Zepeda-Domínguez, J.A., Quiroga-García, B., Tamayo, L., Canto Noh, J.A. and Côté, I.M., 2021. Trying to collapse a population for conservation: commercial trade of a marine invasive species by artisanal fishers. *Reviews in Fish Biology and Fisheries*, 31(3), pp.667-683. <https://doi.org/10.1007/s11160-021-09660-0>
- 2021 **Quintana, A.C.E.**, Giron-Nava, A., Urmy, S., Cramer, A.N., Domínguez-Sánchez, S., Rodríguez-Van Dyck, S., Aburto-Oropeza, O., Basurto, X. and Weaver, A.H., 2021. Positive social-ecological feedbacks in community-based conservation. *Frontiers in Marine Science*, 8, p.652318. <https://doi.org/10.3389/fmars.2021.652318>

- 2020 **Quintana, A.**, Basurto, X., Rodriguez Van Dyck, S. and Weaver, A.H. Political making of more-than-fishers through their involvement in ecological monitoring of protected areas. *Biodiversity and Conservation* 29, 3899–3923 (2020). <https://doi.org/10.1007/s10531-020-02055-w>
- 2020 **Quintana, A.C.E.** and Basurto, X. 2020. “Community-based conservation strategies to end open access: The case of Fish Refuges in Mexico” *Conservation Science and Practice*, e283. DOI: <https://doi.org/10.1111/csp2.283>
- 2019 **Quintana, A.**, & Campbell, L. M. 2019. Critical Commons Scholarship: A Typology. *International Journal of the Commons*, 13(2), pp. 1112–1127. DOI: <https://doi.org/10.5334/ijc.925>
- 2017 Garcia-Vedrenne, A.E., **Quintana, A.C.E.**, DeRogatis, A.M., Dover, C.M., Lopez, M., Kuris, A.M. and Hechinger, R.F., 2017. “Trematodes with a reproductive division of labour: heterophyids also have a soldier caste and early infections reveal how colonies become structured.” *International journal for parasitology*, 47(1), pp.41-50. <https://doi.org/10.1016/j.ijpara.2016.10.003>
- 2016 Garcia-Vedrenne, A.E., **Quintana, A.C.E.**, DeRogatis, A.M., Martyn, K., Kuris, A.M. and Hechinger, R.F., 2016. “Social Organization in Parasitic Flatworms—Four Additional Echinostomoid Trematodes Have a Soldier Caste and One Does Not”. *Journal of Parasitology*, 102(1), pp.11-20. <https://doi.org/10.1645/15-853>

#### *In revision/ review*

Gomez-Andujar, N.X., **Quintana, A.**, Sierra Castillo, L., Rivera-Hechem, M.I., and Gaines, S. “Moving beyond binary metrics of compliance in small-scale fisheries.” In review at *Ecology and Society*

Sierra Castillo, L., Wilson J.R., Aceves-Bueno, E., **Quintana, A.**, and Gaines, S. “Compliance with enforcement in co-managed small-scale fisheries”. In revision at *Ecology and Society*.

Smith, H., **Quintana, A.**, and Campbell, L. “Are targets really SMART-er? Challenging assumptions behind global environmental policy goals to realize ocean equity”. In revision at *Maritime Studies*.

#### **Press and popular**

**Quintana, A.C.E.**, and Giron, A. “To protect ocean environments, good enough might be the best long-term option”. *The Conversation*, 26 May 2021. <https://theconversation.com/to-protect-ocean-environments-good-enough-might-be-the-best-long-term-option-160973>

Giron, A., and **Quintana, A.C.E.** “3 ways to ensure ocean protection is equitable and inclusive”. World Economic Forum: *Agenda*, 19 May 2021. <https://www.weforum.org/agenda/2021/05/making-ocean-protection-equitable-and-inclusive>

#### **INVITED TALKS AND CONFERENCE PRESENTATIONS**

##### **Invited talks**

- 2023 Bren School Seminar Series, UCSB, Santa Barbara CA
- 2023 Department of Anthropology, University of California San Diego, San Diego CA
- 2022 Centre for Sustainable Tropical Fisheries and Aquaculture, James Cook University, QLD, Australia
- 2022 Interdepartmental Graduate Program in Marine Sciences, UCSB, Santa Barbara CA
- 2020 Society of Conservation Biology, “Emerging Issues in Conservation” Seminar Series 2020 (virtual); Available online at <https://vimeo.com/486048372>

## Contributed talks

- 2022 4<sup>th</sup> World Small-scale Fisheries Congress (4WSFC), Mérida, Mexico
- 2021 Society for Applied Anthropology (SfAA) (virtual)
- 2021 International Association for the Study of the Commons (IASC)-Fisheries and Aquaculture (online)
- 2019 International Association for the Study of the Commons (IASC), Lima, Peru
- 2019 Duke University GradX Talks, Durham, NC
- 2019 North Carolina Conference on Latin American Studies, Chapel Hill, NC
- 2018 3<sup>rd</sup> World Small-Scale Fisheries Congress (3WSFC), Chiang Mai, Thailand
- 2017 International Association for the Study of the Commons (IASC), Utrecht, the Netherlands
- 2017 Centre for Maritime Research (MARE), Amsterdam, the Netherlands
- 2017 North Carolina Marine and Coastal Science Symposium (NC MarCo), Beaufort, NC
- 2015 Duke University GradX Talks, Durham, NC
- 2014 American Society of Parasitology, New Orleans, LA (poster)
- 2013 Western Society of Naturalists, Oxnard, CA

## RESEARCH AWARDS (\$1,810,000 total as Lead PI)

- 2023-6 NSF DISES:** National Science Foundation Dynamics of Integrated Socio-Environmental Systems, “Understanding dynamic social-environmental feedbacks in temporary fisheries closures”, \$1,600,000, 2023-2026, UCSB. Role: Lead PI
- 2023-4 California Sea Grant:** “RISE (Resilient Interdisciplinary Social-Ecological) Fellowship Pilot Program”. 2023 Pathways to Inclusive Research Training RFP, \$75,000, UCSB. Role: Lead PI
- 2022-7 SSHRC:** Social Science and Humanities Research Council, “Resilience and alternative food networks,” Canadian\$360,000, 2022-2027, University of Guelph. Role: Senior personnel
- 2020-2 NSF SPRF:** National Science Foundation Postdoctoral Research Fellow - Directorate of Social, Behavioral, and Economic Sciences, “Regulatory compliance with marine protected areas” \$135,000, 2020-2022, UCSB. Award #2005226. Role: Lead PI

## COMPETITIVE FELLOWSHIPS AND SCHOLARSHIPS

- 2020-22 Postdoctoral Research Fellowship, National Science Foundation Directorate for Social, Behavioral and Economic Sciences (NSF SPRF), \$143,000, 2020-2022
- 2019-20 Anne Firor Scott Public Scholars Fellowship, \$23,850, Forum for Scholars and Publics, Duke
- 2019 Bass Instructional Fellowship, \$11,925, Bass Instructional Program, Duke University
- 2017-9 Graduate Pursuit Fellowship, \$3,000, National Socio-Environmental Synthesis Center (SESYNC)
- 2017-8 James B. Duke International Research Travel Fellowship, \$26,912, Duke University Graduate School
- 2017 Summer Research Fellowship Award, \$5,500, Duke University Graduate School
- 2013 Stansbury Summer Research Fellowship, \$5,000, University of California at Santa Barbara
- 2010-4 Regents Scholarship, \$24,000, University of California, 2010-2014

## TEACHING EXPERIENCE

### Sole Instructor of Record

- 2023-4 Masters Group Project Advising (4 quarter units), Masters level, Spring 2023-Spring 2024, UCSB
- 2023 Monitoring and Evaluation (4 quarter units), Masters level, Spring 2023, UCSB
- 2019 Policy Analysis of the Commons (3 semester units), Masters level, Fall 2019, Duke University

### Teaching Assistant and Guest Lectures

- 2019 Deep-Sea Science and Environmental Management, Duke University (lecturer for ¼ of course)

- 2017 Community-Based Conservation in the Gulf of California (travel course, 3 units), Duke (TA)
- 2016 Marine Climate Change (3 units), Spring 2016, Duke University (TA)
- 2015 Biological Oceanography (4 units), Fall 2015, Duke University (TA)
- 2014 Marine Policy (3 units), Fall 2014, Duke University (TA)

### **Graduate student committees**

- 2023- Kennedy Flavin, UCSB, Masters thesis advisor
- 2023- Ariel Daniels, UCSB, Masters thesis advisor
- 2023- Morgan Plummer, UCSB, Masters thesis advisor
- 2023- Melissa Vezard, UCSB, Masters thesis advisor
- 2022- Olivia Isbell, UCSB, PhD thesis committee
- 2022- Bonnie Basnett, UCSB, PhD thesis committee

### **Other mentoring experience**

- 2023-4 Faculty Advisor, Masters Student Group Project, UCSB
- 2020-3 Mentor, Undocumented Student Mentoring Program, UCSB
- 2023- Marine Science Mentoring Program, Goleta Valley Junior High
- 2018-9 Graduate Student Lead, “Ocean Evidence Gap Map”, Duke University and World Wildlife Fund
- 2014-5 Mentor, Women and Math (WAM) Mentoring Program, Durham, NC

### **Formal teacher training**

- 2014-20 Certificate in College Teaching Program, Duke University, Durham, NC (5-year program)
- 2020 Graduate Student Symposium on Innovative Pedagogy, Duke University (1-day workshop)
- 2019 Teaching Triangles Co-Lecturer, 7 hours of observed instruction, Duke Marine Lab, Spring 2019
- 2019 College Teaching and Course Design, Duke University (2 unit course & practicum)
- 2017 Gender and Sexual Diversity Training, Duke Women’s Center, Beaufort, NC (1-day training)
- 2016 Facilitating Student Learning Duke University, Durham, NC (2 unit course)
- 2015 Research Educator Exchange Forum (REEF) 2015, North Carolina State University, Raleigh, NC

## **INTERDISCIPLINARY SOCIAL-ECOLOGICAL COLLABORATIONS**

- 2023-26 **NSF DISES: Temporary fisheries closures in Mexico and French Polynesia (UCSB)** National Science Foundation Dynamics of Integrated Socio-Environmental Systems, “Understanding dynamic social-environmental feedbacks in temporary fisheries closures,” Role: Lead PI
- 2023-4 **Inclusive Social-ecological Research Paired Fellowship Pilot Program (UCSB):** “RISE (Resilient Interdisciplinary Social-Ecological) Fellowship Pilot Program”. Role: Lead PI
- 2022-27 **SSHRC: Resilience and alternative food networks (University of Guelph).** Social Science and Humanities Research Council, “Resilience and alternative food networks,” Role: Senior personnel
- 2016-20 **NSF CNH: Resilience in Mexican fisheries (Duke University)** National Science Foundation Dynamics of Coupled Natural-Human Systems Program, Award #1632648, “Resilience and Adaptive Capacity of Small-Scale Fishing Communities and Coastal Marine Ecosystems to Environmental and Economic Variability,” Roles: Research assistant (summer 2016, summer 2017, fall 2017), workshop participant (November 2016, August 2018), research contributor (2019-2020)
- 2018-9 **Ocean Evidence Gap Map (Duke University),** Bass Connections Project, Role: graduate team lead. Duke Marine Lab and World Wildlife Fund (WWF): Duke Marine Lab, Beaufort, NC

- 2018 **Eco-DAS 2018 (University of Hawai'i, Manoa)** (Ecological Dissertations in the Aquatic Sciences), Competitive biennial interdisciplinary workshop, October 15-20, 2018, Honolulu, HI
- 2017-9 **SESYNC Graduate Pursuit (National Socio-Environmental Synthesis Center)**, Annapolis, MD. "Cross-scale exploitation patterns and marine population collapse in international seafood markets" Role: Core team member

## SERVICE

### Peer Reviewer

*Fish and Fisheries, Ecology and Society, International Journal of the Commons, Journal of Society & Natural Resources, Journal of Institutional Economics, Regional Environmental Change, Journal of Ethnobiology, Conservation Letters, Ambio, Reviews in Aquaculture*

### Professional

- 2023 **NSF *ad hoc* reviewer**, DISES program, Washington, DC
- 2023 **Conference organizer**, Summer@Bren Student Research Flash Talks, UCSB, CA
- 2023- **Founder/Director**, RISE (Resilient Interdisciplinary Social-Ecological) Research Fellowship Program (mentored research experience for low-income, BIPOC, first-gen students), UCSB, CA
- 2020-23 **Mentor**, Undocumented Students Mentoring Program, UCSB, Santa Barbara, CA
- 2021 **NSF panel reviewer**, OIA Convergence Accelerator; CAREER Program
- 2020-21 **Conference organizer**, IASC Virtual Fisheries Conference (March 9-11, 2021, online)
- 2020 **Reviewer**, Foundation for Food and Agriculture Research, Seeding Solutions grant program (foundation of USDA)
- 2018-9 **Duke Marine Lab Graduate Student Representative**, Duke Marine Lab: Beaufort, NC
- 2016-7 **Van Dover Inclusive Graduate Education Travel Award coordinator**, Duke Marine Lab: Beaufort, NC.
- 2015-7 **Duke Marine Lab Seminar Series Organizer**, Duke Marine Lab: Beaufort, NC
- 2013-4 **UC EAP "Global Ambassador"**, University of CA Education Abroad Program: Santa Barbara, CA

### Community

- 2022-3 **Mentor**, Marine Science Mentorship Program at Goleta Valley Middle School, Santa Barbara, CA
- 2015-9 **Founder**, Girls Exploring Science and Technology (GEST), Duke Marine Lab, Beaufort, NC (annual one-day capstone event, <https://sites.duke.edu/gest/>)
- 2017 **Volunteer English teacher**, Puerto de Agua Verde, BCS, Mexico
- 2016-7 **Organizing Committee: Logistics, Donations, and Advertising Coordinator**, SciREN (The Scientific Research and Educator Network), North Carolina Aquarium at Pine Knoll Shores, NC
- 2015 **Project and Event Manager**, Community Food Lab, Raleigh, NC
- 2015 **Judge**, Blue Heron Bowl (National Ocean Sciences Bowl), UNC-CH, Chapel Hill, NC
- 2014-5 **Mentor**, Women and Math (WAM) Mentoring Program, Durham, NC,

## PROFESSIONAL MEMBERSHIPS

- 2016- International Association for the Study of the Commons (IASC)  
Founding member of IASC Early Career Network (2020)
- 2018- To Big To Ignore (TBTI) Global Partnership for Small-Scale Fisheries Research
- 2019-21 AAAS/Science (sponsored member through Program for Excellence in Science)
- 2014-5 American Society of Parasitologists

## **ADDITIONAL SKILLS**

**Software:** NVivo, Qualtrics, Tableau, Colandr, JMP, WordPress, Bookwright, Adobe Illustrator, Beautiful[AI], Canva, R (basic)

**Languages:** Spanish (fluent), French (basic)