

# ANASTASIA C. E. QUINTANA

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## EDUCATION

- 2019 **Duke University**, Durham, NC  
**PhD**, Marine Science and Conservation (expected May 2019)  
  
Dissertation: “Fish Refuges for fish or people? Collective action implications for fisheries sustainability of marine reserve design by fishers in Mexico”  
  
Committee: Dr. Xavier Basurto (chair, Duke University), Dr. Lisa Campbell (Duke University), Dr. Grant Murray (Duke University), Dr. Noella Gray (University of Guelph), and Dr. Björn Vollan (Philipps-Universität Marburg)
- 2014 **University of California Santa Barbara**, College of Creative Studies, Santa Barbara, CA  
**BA**, *summa cum laude*, Biology, June 2014  
Dean’s Honors 2010-4, Honors Program 2010-4

## AREAS OF PROFESSIONAL EXPERTISE

Common pool resource theory  
Collective action and resource dilemmas  
Social-ecological systems and resilience theory  
Conservation and development in the Global South  
Mixed social science methods  
Critical social science theory  
Fisheries anthropology  
Small-scale fisheries  
Political ecology

## PUBLICATIONS

- 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.
- 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.

## Under review

- 2018 **Quintana, A.C.E.** and Campbell, L. “Critiques of common pool resource theory: A typology”. *International Journal of the Commons*. Under review. Available Upon Request.

## In preparation

**Quintana, A.C.E.**, Basurto, X., Weaver, A. H., and Rodriguez-Van Dyck, S. “More than the data: Local participation in an ecological monitoring program changes fishing communities”. In advanced preparation for *Biodiversity and Conservation*. Available Upon Request.

**Quintana, A.C.E.** Gray, N., Campbell, L., Murray, G., and Basurto, X. “Implementing weakly defined marine reserves facilitates collective action in Mexico”. In advanced preparation for *International Journal of the Commons*. Available Upon Request.

**Quintana, A.C.E.**, Gray, N., Campbell, L., Murray, G., and Basurto, X. “NGOs translate between conflicting knowledge paradigms in co-managed marine reserves”. In prep for *Society and Natural Resources*.

Giron-Nava, J.A., **Quintana, A.C.E.**, Elsler, L., and Stefanski, S. “Local cooperative functionality protects fisheries from international market pressure in Mexico”. In prep for *Proceedings of the National Academy of Sciences*.

**Quintana, A.C.E.** “Decoupled SES adaptation: 5-year Fishing Refugia adapt to social and institutional rather than ecological fluctuations”. In prep for *Ecology and Society*.

Song, A. and **Quintana, A.C.E.** “Governmentality and agency in small-scale fisheries: A comparison of cases in South Korea and Mexico”. In prep for *Political Geography*.

## PRESENTATIONS AND POSTERS AT SCIENTIFIC CONFERENCES

- 2018 **Quintana, A.C.E.** Gray, N., Campbell, L., and Basurto, X. 2018. “Weakly defined MPAs make space for small-scale fishers to pursue own interests.” 3<sup>rd</sup> World Small-Scale Fisheries Congress. October 22-26, 2018, Chiang Mai, Thailand. *Oral presentation*.
- 2017 **Quintana, A.C.E.**, A.H. Weaver, S. Rodriguez, and X. Basurto. 2017. “Local ecological knowledge, participation, and legitimacy: Effects of an ecological monitoring program in a Mexican small-scale fishery.” Practicing the Commons, XVI Biennial International Association for the Study of the Commons (IASC) Conference, July 10-14, 2017, Utrecht, the Netherlands. *Oral presentation*.
- 2017 **Quintana, A.C.E.**, A.H. Weaver, S. Rodriguez, and X. Basurto. 2017. “Buzos Monitores are not environmental subjects: Results from a community-based ecological monitoring project for fishers in Baja California, Mexico.” Centre for Maritime Research (MARE) Conference IX People and the Sea, July 5-7, 2017, Amsterdam, the Netherlands. *Oral presentation*.
- 2017 **Quintana, A.C.E.** 2017. “Storytelling and science.” North Carolina Marine and Coastal Science Symposium (NC MarCo), March 31, 2017, Beaufort, NC. *Oral presentation*.
- 2015 **Quintana, A.C.E.** 2015. “Why parasites are fascinating and not horrifying.” Annual GradX Talks, March 24, 2015, Durham, NC. *Oral presentation*.
- 2014 Garcia-Vedrenne, A.E., **Quintana, A.C.E.**, Kuris, A.M., Hechinger, R.F. 2014. “Reproductive division of labor in the Trematoda: A systematic evaluation of sociality in the community of trematodes that infect the California horn snail, *Cerithidea californica*.” American Society of Parasitology Annual Meeting 2014, July 24-27, 2014, New Orleans, LA. *Poster*.
- 2013 **Quintana, A.C.E.**, Garcia-Vedrenne, A.E., Hechinger, R.F., Kuris, A.M. 2013. “Trematodes of the California horn snail: some have social organization with reproductive division of labor, others do not.” Western Society of Naturalists, November 7-10, 2013, Oxnard, CA. *Oral presentation*.

## FELLOWSHIPS AND SCHOLARSHIPS

- 2018-9 Marine Lab Endowment Fellowship, \$65,772, Duke Marine Lab, 2018-2019  
2017-9 Graduate Student Pursuit Fellowship, \$3,000, National Socio-Environmental Synthesis Center (SESYNC), 2017-2019  
2017-8 James B. Duke International Research Travel Fellowship, \$26,912, Duke University Graduate School, 2017-2018  
2017 Summer Research Fellowship Award, \$5,500, Duke University Graduate School, summer 2017  
2013 Stansbury Fellowship, \$5,000, University of California at Santa Barbara, 2013  
2010-4 Regents Scholarship, \$24,000, University of California, 2010-2014

## RESEARCH EXPERIENCE

### Duke University, Durham, NC

- 2016 **Research Assistant**, X. Basurto, NSF CNH Award #1632648 (qualitative study design, interviews of fishers and families, analysis), Baja California Sur, Mexico  
2015 **Graduate Research Assistant**, X. Basurto, NSF CNH Award #1632648 (literature review of local ecological knowledge), Durham NC  
2014 **Research Assistant**, Mexico: E. Clark (translator for semi-structured interviews)

### University of California at Santa Barbara, Santa Barbara, CA

- 2013-4 **Student Researcher**: A. Kuris (parasite dissections, slide prep, microscope photography)  
2013 **Stansbury Research Fellow**, A. Kuris (parasite dissections, slide prep, microscope photography)  
2011-2 **Student Intern**, S. Gaines (urchin dissections, preparation of histology samples)

## INTERNATIONAL FIELDWORK EXPERIENCE

Costa Rica (Guanacaste), Spain (Catalunya), Turks and Caicos (South Caicos), Mexico (Baja California Sur, Sonora, Quintana Roo)

## TEACHING EXPERIENCE

### Teaching Assistant, Duke University, Durham NC

#### Graduate courses

- 2016 Marine Climate Change (3 semester units), Spring 2016.  
2014 Marine Policy (3 semester units), Fall 2014

#### Mixed graduate and undergraduate courses

- 2017 Community-Based Conservation in the Gulf of California (international field course, 3 semester units), Spring 2017  
2015 Biological Oceanography (4 semester units), Fall 2015

### Formal student mentoring

- 2018 **Bass Connections project, "Ocean Evidence Gap Map"** with Duke University and World Wildlife Fund. Duke Marine Lab: Beaufort, NC. Fall 2018-Spring 2019.

Role: Train, mentor, and manage team of 8 undergraduate and Masters students to conduct systematic literature review for gap map using Colandr software.

## Teaching courses and additional training

- 2014-8 **Certificate in College Teaching Program**, Duke University: Durham, NC, Fall 2014-Spring 2019  
Duke program training PhD students in college teaching; involves 2 teaching courses, development of a teaching profile, teaching experience, and peer evaluations of teaching.
- 2017 **Gender and Sexual Diversity Training**, Duke Women's Center, Beaufort, NC, January 19, 2017
- 2016 **Facilitating Student Learning** (course on teaching), Duke University: Durham, NC. Fall 2016
- 2015 **Research Educator Exchange Forum (REEF) 2015**: Center for Ocean Sciences Education Excellence (COSEE), North Carolina State University, Raleigh, NC, January 23-24, 2015

## INTERDISCIPLINARY SOCIAL-ECOLOGICAL COLLABORATIONS

- 2018 **Graduate Team Member, "Ocean Evidence Gap Map"**, Bass Connections Project, Duke Marine Lab and World Wildlife Fund (WWF): Duke Marine Lab, Beaufort, NC: August 2018-April 2019
- 2018 **Participant, Eco-DAS 2018** (Ecological Dissertations in the Aquatic Sciences), Competitive biennial interdisciplinary symposium, October 15-20, 2018, University of Hawai'i, Manoa, Honolulu, HI
- 2017-8 **Graduate Pursuit Fellow, SESYNC** (National Socio-Environmental Synthesis Center), Annapolis, MD. "Cross-scale exploitation patterns and marine population collapse in international seafood markets"
- 2016-8 **Research Assistant, NSF CNH Project** (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" (\$1,790,687)
- Roles: Research assistant (summer 2016, summer 2017, fall 2017), workshop participant (November 2016, August 2018)

## SERVICE

### Peer Reviewer

*Regional Environmental Change*  
*Journal of Society & Natural Resources*  
*Journal of Institutional Economics*  
*Conservation Letters*

### University

- 2018-9 **Duke Marine Lab Graduate Student Representative**, 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
- 2012 **Aquarist**, Research Experience and Education Facility (REEF), UCSB: Santa Barbara, CA

### Community

- 2015-8 **Co-founder and Organizing Committee Member**, Girls Exploring Science and Technology (GEST), Duke Marine Lab, Beaufort, NC: November 2015 – ongoing (annual one-day event)
- 2017 **Volunteer English teacher**, Puerto de Agua Verde, BCS, Mexico: Oct 2017 - Dec 2017

- 2016-7 **Organizing Committee: Logistics, Donations, and Advertising Coordinator**, SciREN (The Scientific Research and Educator Network), North Carolina Aquarium at Pine Knoll Shores, Pine Knoll Shores, NC: Nov 2016 – Feb 2017 (annual one-day event)
- 2015 **Project and Event Manager**, Community Food Lab, Raleigh, NC, January – May 2015
- 2015 **Judge**, Blue Heron Bowl (National Ocean Sciences Bowl), UNC-CH, Chapel Hill, NC, 7 Feb 2015.
- 2014-5 **Mentor**, Women and Math (WAM) Mentoring Program, Durham, NC, October 2014-May 2015

### **PROFESSIONAL MEMBERSHIPS**

- 2016-8 International Association for the Study of the Commons *2016-2018*
- 2014-5 American Society of Parasitologists *2014-2015*

### **ADDITIONAL SKILLS**

**Software:** Tableau, Colandr, NVivo, Qualtrics, SurveyMonkey, R, JMP, WordPress, Bookwright, Sketch, Adobe Photoshop

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