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PROFESSIONAL APPOINTMENTS

- 2018-pres. *Director*, Center for Coastal Marine Sciences, Calif Polytechnic State Univ, San Luis Obispo, CA
2013-pres. *Assistant/Associate Professor*, Biology Dept, Calif Polytechnic State Univ, San Luis Obispo, CA
2009-2013 *Research Fishery Biologist*, NOAA Fisheries, Southeast Fisheries Science Center, Miami, FL
2008-2009 *Marine Ecologist*, U.S. Nat'l Park Service, South Florida & Carib. Monit. Network, Miami, FL
2007-2008 *Postdoctoral Fellow*, Scripps Institution of Oceanography, La Jolla, CA
2006-2008 *Project Director*, Science of Marine Reserves in Latin America and the Caribbean, Universidad Autónoma de Baja California, Ensenada, México
2006-2007 *UC-MEXUS Postdoc*, Univ Autónoma de Baja Calif, Ensenada, México

EDUCATION

University of California, Santa Barbara, California, USA

Department of Ecology, Evolution and Marine Biology, Ph.D. awarded June 2006.

Yale University, New Haven, Connecticut, USA

School of Forestry and Environmental Studies, M.S. awarded May 1999.

Tufts University, Medford, Massachusetts, USA. B.A. awarded May 1994, *cum laude*.

SELECTED PUBLICATIONS (out of a total of 28) *graduate student **undergraduate student

- Wang, YH, RK Walter, HK Farr*, C White, **BI Ruttenberg**. 2018. Assessment of surface wind datasets for estimating offshore wind energy along the Central California coast. *Renewable Energy*. In press.
- Glynn, PW, A Baker, S Banks, I Baums, J Cole, M Colgan, P Fong, PJ Glynn, I Keith, D Manzano, B Riegl, **BI Ruttenberg**, T. Smith, M. Vera-Zambrano. 2018. State of corals and coral reefs of the Galápagos Islands (Ecuador): past, present and future. *Marine Pollution Bulletin* 133: 717-733.
- Adam, TC, A Duran*, CE Fuchs*, MV Roycroft*, M Rojas, **BI Ruttenberg**, DE Burkepille. 2018. Comparative analysis of diet, foraging behavior and bite mechanics reveals complex functional diversity among Caribbean parrotfishes. *Mar Ecol Prog Ser* 597: 207-220
- Ruttenberg, BI**, JE Caselle, AE Estep, AE Johnson, KL Marhaver, LJ Richter, SA Sandin, MJA Vermeij, JE Smith, D Grenda, and A Cannon*. 2018. Ecological assessment of the marine ecosystems of Barbuda, West Indies: Using rapid scientific assessment to inform ocean zoning and fisheries management. *PLoS ONE* 13: e0189355.
- Meyers-Cherry, NL*, R Nakamura, **BI Ruttenberg**, DE Wendt. 2016. Spatial and temporal comparisons of gopher rockfish (*Sebastes carnatus*) life history and condition in south- central California. *CalCOFI Reports* 57: 1-8.
- Adam, TC, M Kelley, **BI Ruttenberg**, DE Burkepille. 2015. Resource partitioning along multiple niche axes drives functional diversity in Caribbean parrotfishes. *Oecologia* 179: 1173-1185.
- Adam, TC, DE Burkepille, **BI Ruttenberg**, MJ Paddock. 2015. Herbivory and the resilience of Caribbean coral reefs: knowledge gaps and implications for management. *Mar Ecol Prog Ser* 520: 1-20.

- Ruttenberg, BI** and SE Lester. 2015. "Patterns and processes in range size in coral reef fishes." In *Ecology of Fishes on Coral Reefs*. C. Mora ed. Academic Press. pp. 97-103.
- Ruttenberg, BI**, PJ Schofield, JL Akins, A Acosta, MW Feeley, J Blondeau, SG Smith, JS Ault. 2012. Rapid invasion of Indo Pacific lionfishes (*Pterois volitans* and *P. miles*) in the Florida Keys, USA: evidence from multiple pre- and post-invasion datasets. *Bull Mar Sci*. 88: 1051-1059.
- Ruttenberg, BI**, SL Hamilton, SM Walsh*, MK Donovan**, A Freidlander, E DeMartini, E Sala, and SA Sandin. 2011. Demographic shifts in coral reef fish communities across a gradient of human disturbance. *PLoS One* 6(6): e21062
- Ruttenberg, BI** and EF Granek. 2011. Bridging the marine-terrestrial disconnect in coastal zone science and management. *Mar Ecol Prog Ser* 434:203-212.
- Lester, SE, BS Halpern, K Grorud-Colvert, J Lubchenco, **BI Ruttenberg**, SD Gaines, S Airamé, and RR Warner. 2009. Biological effects within no-take marine reserves: a global synthesis. *Mar Ecol Prog Ser* 384: 33-46.
- Lester, SE, **BI Ruttenberg**, SD Gaines, and BP Kinlan. 2007. The relationship between dispersal ability and geographic range size. *Ecol Lett* 10: 745-758.

SELECTED GRANTS AND AWARDS (since 2013)

- 2018 NOAA Saltonstall-Kennedy Grant. "Understanding how climate change impacts catch rates and composition of nearshore groundfish." Co-PI. \$299,140
- 2018 California Energy Commission EPIC Grant. "Marine Biology Artificial Intelligence Project: Developing tools to automate analysis of underwater video." Co-PI. \$199,978
- 2017 NOAA Coral Reef Conservation Program Grant. "Quantifying corallivory by parrotfishes: species-specific preferences and impacts on threatened corals." Lead-PI. \$76,776
- 2017 City of Pismo Beach Grant. "Monitoring and Restoration of Pismo clams." Lead-PI. \$28,000
- 2016 Bureau of Ocean Energy Management Coop. Agreement. "Scenarios for Replacing Conventional Energy with Offshore Renewable Energy along the Central California Coast." Lead-PI. \$400,000.
- 2015 NOAA Southeast Fisheries Science Center Grant. "Impacts of fishing on parrotfish grazing in St. Croix: A case study on the ecological impacts of fishery management actions." Co-PI. \$93,100.
- 2015 NSF Facilities for Marine Stations Improvement Program. "A Reconstructed Boat Landing for Cal Poly State University's Center for Coastal Marine Sciences Pier Facility." Co-PI. \$350,000.
- 2014 NOAA Coral Reef Conservation Program Grant. "Parrotfish Grazing on Coral Reefs." Co-PI. \$73,341.
- 2013 Waitt Foundation. "Rapid marine ecological assessment of Barbuda." PI. \$23,000 + >\$250,000 in-kind.

PRESENTATIONS AND TEACHING EXPERIENCE

18 Invited presentations (3 in Spanish) for departmental seminars and federal boards & workshops
25 National and international conference presentations (1 in Spanish)
Courses taught: History/Diversity of Life, Marine Conserv. & Policy, Ichthyology, Data Mgmt, Graduate seminars

MENTORING AND SERVICE

Advisor for 4 MS Student and committee member for 8 MS students at Cal Poly.
Mentor/Co-supervisor for 2 postdoctoral fellows at NOAA and Cal Poly.
Research Mentor for 60+ Cal Poly undergraduate students.
Editorial Board, *PLoS One*; Handling Editor, *Aquatic Biology*; Review Editor, *Marine Ecology Progress Series*
Reviewed manuscripts for >20 peer-reviewed journals; reviewed proposals for 12 funding agencies.
Serve as panel/committee member for federal review boards/working groups, reviewed several federal management plans, and serve on federal advisory boards.
Extensive experience conducting research using SCUBA (>1500 scientific dives), extensive experience leading field expedition on large (>100') vessels and extensive experience handling small (<30') vessels.
Fluent in Spanish.