

Curriculum Vitae Jennifer E. Caselle

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EDUCATION

1997	University of California, Santa Barbara	Ph.D. Marine Biology
1987	University of California, Berkeley	B.S. Zoology

PROFESSIONAL APPOINTMENTS

2016-present	Research Biologist, Marine Science Institute, University of California, Santa Barbara (UCSB), Adjunct Faculty EEMB, UCSB.
2011-2016	Associate Research Biologist, Marine Science Institute, UCSB
2008-2016	Lecturer, Ecology, Evolution and Marine Biology, UCSB
2008-2011	Project Scientist, Marine Science Institute, UCSB
2006-2008	Associate Project Scientist, Marine Science Institute, UCSB
1999-2006	Assistant Research Biologist, Marine Science Institute, UCSB
1998	Postdoctoral Associate, Wrigley Inst. of Env. Studies, University of Southern California
1997, 1999	Postdoctoral Researcher, UCSB
1995-2000	Lecturer, Ecology, Evolution and Marine Biology, UCSB
1995-1996	Adjunct Research Associate, University of the South Pacific, Suva, Fiji Islands.

RESEARCH INTERESTS

Marine conservation, fisheries, community and population biology, kelp forest and coral reef ecology, larval dispersal and connectivity, behavioral ecology.

AWARDS

2016	Western Society of Naturalists, President
2015	Distinguished Teaching Award, UCSB, Nominee
2009	Western Society of Naturalists, Naturalist of the Year
2009	Undergraduate Biology Majors Association, Top Course in Ecology, Evolution and Marine Biology (for Biology of Fishes)
1997	Lancaster Award for Outstanding Dissertation, UCSB
1997	American Fisheries Society-ELHS, Sally Richardson Award (<i>Best paper</i>)
1995	American Fisheries Society-ELHS, Sally Richardson Award-Honorable Mention
1994	University of California, Fee Fellowship
1994	Ellen Schamberg Burley Graduate Award
1994	University of California, Graduate Dissertation Fellowship
1993, 1994	University of California, Graduate Travel Award
1993	University of California, General Affiliates Scholarship
1989-1993	University of California, Special Regents Fellowship

SPECIAL APPOINTMENTS

2012-present	Director - Palmyra Atoll Research Consortium
2012-2021	Chair - Diving Control Board, UCSB
2009-2010	Board of Directors - American Academy of Underwater Sciences
2010	Scientific Advisory Board – Science of Marine Reserves (EU Version)

2008-2012	Co-Chair - Finance Committee - Palmyra Atoll Research Consortium
2005-2008	Member - Science Committee - Palmyra Atoll Research Consortium
2004-present	Member - Research Activities Panel - Channel Islands National Marine Sanctuary
2000-2003	Secretariat - Western Society of Naturalists

PEER-REVIEWED PUBLICATIONS

- Sullivan-Stack, J., Aburto-Oropeza, O., Brooks, C., Cabral, R.B., Caselle, J.E., Chan, F., Duffy, J.E., Dunn, D.C., Friedlander, A.M., Fulton-Bennett, H.K., Gaines, S.D., Gerber, L.R., Hines, E., Leslie, H.M., Lester, S.E., MacCarthy, J.M.C., Maxwell, S.M., Mayorga, J., McCauley, D., Micheli, F., Moffitt, R., Nickols, K.J., Palumbi, S.R., Pearsall, D.R., Pike, E.P., Pikitch, E.K., Sancho, G., Spalding, A.K., Suman, D.O., Sykora-Bodie, S. and K. Grorud-Colvert. **In Press**. A scientific synthesis of marine protected areas in the United States: Status and Recommendations. *Frontiers in Marine Science*.
- Malone, D.P., K. Davis, S.I. Lonhart, A. Parsons-Field, J.E. Caselle, and M.H. Carr. **In Press**. Large scale, multi-decade monitoring data from kelp forest ecosystems in California and Oregon (USA). *Ecology*.
- Tortolero-Langarica, J.J. A., A.P. Rodríguez-Troncoso, A.L. Cupul-Magaña, J.P. Carricart-Ganivet, D.E. Morales-de-Anda, and J.E. Caselle. **In Press**. Coral calcification and carbonate production in the eastern tropical Pacific: the role of branching and massive corals in the reef maintenance. *Geobiology*. DOI:10.1111/gbi.12491
- Hopf, J.K., J.E. Caselle, and J.W. White. 2022. Recruitment variability and sampling design interact to influence the detectability of protected area effects. *Ecological Applications*. 32(2): e2511 <https://doi.org/10.1002/eap.2511>
- Gilmour, M.E., J. Adams, B.A. Block, J.E. Caselle, A.M. Friedlander, E.T. Game, E.L. Hazen, N.D. Holmes, K.D. Lafferty, S.M. Maxwell, D.J. McCauley, E.M. Oleson, K. Pollock, S.A. Shaffer, N.H. Wolff, and A. Wegmann. 2022. Evaluation of MPA designs that protect highly mobile megafauna now and under climate change scenarios. *Global Ecology and Conservation*. 35:2022. E02070. <https://doi.org/10.1016/j.gecco.2022.e02070>.
- Hernan, G., A.K. Dubel, J.E. Caselle, D.J. Kushner, R.J. Miller, D. Reed, J.L. Sprague, and A. Rassweiler. 2022. Measuring the efficiency of alternative biodiversity monitoring sampling strategies. *Frontiers in Marine Science*. 9:820790. doi: 10.3389/fmars.2022.820790
- Dunn, R.E., D. Bradley, M.R. Heithaus, J.E. Caselle and Y. P. Papastamatiou. 2022. Conservation implications of forage base requirements of a marine predator population at carrying capacity. *iScience* 25(1). doi.org/10.1016/j.isci.2021.103646.
- Cavanaugh, K., Bell, T., Costa, M., Eddy, N., Gendall, L., Gleason, M., Hessian-Lewis, M., Martone, R., McPherson, M., Pontier, O., Reshitnyk, L., Beas-Luna, R., Carr, M., Caselle, J.E., Cavanaugh, K., Flores Miller, R., Hamilton, S., Heady, W., Hirsh, H., Hohman, R., Lee, L., Lorda, J., Ray, J., Reed, D.C., Saccomanno, V., and Schroeder, S. 2021. A review of the opportunities and challenges for using remote sensing for management of surface-canopy forming kelps. *Frontiers in Marine Science*. 8. Doi 10.3389/fmars.2021.753531
- Hüne, M., A.M. Friedlander, E. Ballesteros, J.E. Caselle, and E. Sala. 2021. Assemblage structure and spatial diversity patterns of kelp forest-associated fishes in southern Patagonia. *PLoS ONE* 16(9): e0257662. <https://doi.org/10.1371/journal.pone.0257662>
- Karatayev, V.A., M.L. Baskett, D.J. Kushner, N.T. Shears, J.E. Caselle, and C. Boettiger. 2021. Grazer behavior can regulate large-scale patterns of community states. *Ecology Letters*. 24:1917– 1929. <https://doi.org/10.1111/ele.13828>

- Freedman, R., J.A. Brown, C. Caldow, and J.E. Caselle. 2021. Species-specific thermal classification schemes can improve climate related marine resource decisions. *PLoS ONE* 16(4): e0250792. <https://doi.org/10.1371/journal.pone.0250792>
- Ovando, D., Caselle, J.E., Costello, C., Deschenes, O., Gaines, S.D., Hilborn, R., and O. Liu. 2021. The regional effects of marine protected areas. *Conservation Biology*. 2021:1– 10 <https://doi.org/10.1111/cobi.13782>.
- White, J.W., M.T. Yamane, K.J. Nickols, and J.E. Caselle. 2020. Analysis of fish population size structures confirm cessation of fishing in marine protected areas. *Conservation Letters*. 14:e12775. <https://doi.org/10.1111/conl.12775>
- Freedman, R.M., J.A. Brown, C. Caldow, and J.E. Caselle. 2020. Marine protected areas do not prevent marine heatwave-induced fish community structure changes in a temperate transition zone. *Scientific Reports* 10, 21081. <https://doi.org/10.1038/s41598-020-77885-3>
- Tholan, B., P. Carlson, J.J. A. Tortolero, J.T. Ketchum, A. Trejo, E. Aceves-Bueno and J.E. Caselle. 2020. The biodiversity of fishes at Islas Marias, Mexico as determined by baited remote underwater video. *Ciencias Marinas*. 46:227–252 <https://doi.org/10.7773/cm.v46i4.3104> (WSN special issue).
- Papastamatiou, Y.P., T.W. Bodey, J.E. Caselle, D. Bradley, R. Freeman, A.M. Friedlander, and D.M.P. Jacoby. 2020. Multiyear social stability and social information in marine predators with diel fission-fusion dynamics. *Proceedings of the Royal Society B*. 287:20201063. <http://doi.org/10.1098/rspb.2020.1063>
- Beas-Luna, R., F. Micheli, C. B. Woodson, M. Carr, D. Malone, J. Torre, C. Boch, J.E. Caselle, M. Edwards, J. Freiwald, S.L. Hamilton, A. Hernandez, B. Konar, K. Kroeker, J. Lorda, G. Montaña, G. Torres-Moye. 2020. Geographic variation in functional response of kelp forest ecosystems to recent climate and consequences for ecosystem structure. *Global Change Biology* 26:6457–6473. <https://doi.org/10.1111/gcb.15273>
- Sabando, M., G. Rieucan, D. Bradley, J.E. Caselle, and Y.P. Papastamatiou. 2020. Habitat-specific inter and intraspecific behavioral interactions among reef sharks. *Oecologia* 193:371–376. <https://doi.org/10.1007/s00442-020-04676-y>
- MacNeil, M.A., D.D. Chapman, M. Heupel, *et al.* 2020. Global status and conservation potential of reef sharks. *Nature*. 583:801–806. <https://doi.org/10.1038/s41586-020-2519-y>
- Sterling, E.J., P. Pascua, A. Sigouin, N. Gazit, L. Mandle, E. Betley, J. Aini, S. Albert, S. Caillon, J. E. Caselle, S.H. Cheng, J. Claudet, R. Dacks, E.S. Darling, C. Filardi, S.D. Jupiter, A. Mawyer, M. Mejia, K. Morishige, W. Nainoca, J. Parks, J. Tanguay, T. Ticktin, R. Vave, V. Wase, S. Wongbusarakum., J. McCarter. 2020. Creating a space for place and multidimensional well-being: lessons learned from localizing the SDGs. *Sustainability Science*. 15 (4):1129-1147
- Rassweiler, A., A.K. Dubel, G. Hernan, D.J. Kushner, J.E. Caselle, J.L. Sprague, L. Kui, T. Lamy, S.E. Lester, and R.J. Miller. 2020. Roving divers surveying fish in fixed areas capture similar patterns in biogeography but different estimates of density when compared with belt transects. *Frontiers in Marine Science* 7:272. doi: 10.3389/fmars.2020.00272
- Friedlander, A.M., E. Ballesteros, T.W. Bell, J.E. Caselle, C. Campagna, W. Goodell, M. Hüne, A. Muñoz, P. Salinas-de-León, E. Sala, and P.K. Dayton. 2020. Kelp forests at the end of the earth: 45 years later. *PLoS ONE* 15(3): e0229259. <https://doi.org/10.1371/journal.pone.0229259>

Dillon, E., K. Lafferty, D. McCauley, D. Bradley, R. Norris, J.E. Caselle, G.V. DiRenzo, J. P.A. Gardner and A. O’Dea. 2020. Dermal denticle assemblages in coral reef sediments correlate with conventional shark surveys. *Methods in Ecology and Evolution*. 11: 362– 375. <https://doi.org/10.1111/2041-210X.13346>

Eisaguirre, J.H., J.M. Eisaguirre, K. Davis, P. Carlson, S.D. Gaines, J.E. Caselle. 2020. Trophic redundancy and size class structure drive differences in kelp forest ecosystem dynamics. *Ecology*. 101(5):e02993. 10.1002/ecy.2993

Eisaguirre, J.H., J.M. Eisaguirre, K. Davis, P. Carlson, S.D. Gaines, J.E. Caselle. 2020. Trophic redundancy and size class structure drive differences in kelp forest ecosystem dynamics. *Bull Ecol Soc Am*. 101(2):e01682. <https://doi.org/10.1002/bes2.1682>

Pondella, D.J. II, Piacenza, S.E., Claisse, J.T., Williams, C.M., Williams, J.P., Zellmer, A.J., and J.E. Caselle. 2019. Assessing drivers of rocky reef fish biomass density from the Southern California Bight. *Marine Ecology Progress Series*. 628:125–140. <https://doi.org/10.3354/meps13103>

Menge, B.A*, K. Milligan*, J.E. Caselle*, J.A. Barth, C.A. Blanchette, M.H. Carr, F. Chan, R.K. Cowen, M. Denny, S.D. Gaines, G.E. Hofmann, K.J. Kroeker, J. Lubchenco, M.A. McManus, M. Novak, S.R. Palumbi, P.T. Raimondi, G.N. Somero, R.R. Warner, L. Washburn, and J.W. White. 2019. PISCO: Advances made through the formation of a large-scale, long-term consortium for integrated understanding of coastal ecosystem dynamics. *Oceanography* 32(3):16–25, <https://doi.org/10.5670/oceanog.2019.307>.

*** Co-Lead Authors**

Menge, B.A.*, J.E. Caselle*, K. Milligan, S.A. Gravem, T.C. Gouhier, J.W. White, J.A. Barth, C.A. Blanchette, M.H. Carr, F. Chan, J. Lubchenco, M.A. McManus, M. Novak, P.T. Raimondi, and L. Washburn. 2019. Integrating coastal oceanic and benthic ecological approaches for understanding large-scale metaecosystem dynamics. *Oceanography* 32(3):38–49, <https://doi.org/10.5670/oceanog.2019.309>.

*** Co-Lead Authors**

White, J.W., M.H. Carr, J.E. Caselle, L. Washburn, C.B. Woodson, S.R. Palumbi, P.M. Carlson, R.R. Warner, B.A. Menge, J.A. Barth, C.A. Blanchette, P.T. Raimondi, and K. Milligan. 2019. Connectivity, dispersal, and recruitment: Connecting benthic communities and the coastal ocean. *Oceanography* 32(3):50–59, <https://doi.org/10.5670/oceanog.2019.310>.

White, J.W., M.H. Carr, J.E. Caselle, S.R. Palumbi, R.R. Warner, B.A. Menge, and K. Milligan. 2019. Empirical approaches to measure connectivity. *Oceanography* 32(3):60–61, <https://doi.org/10.5670/oceanog.2019.311>.

Menge, B.A., J.E. Caselle, J.A. Barth, C.A. Blanchette, M.H. Carr, F. Chan, S. Gravem, T.C. Gouhier, J. Lubchenco, M.A. McManus, K. Milligan, M. Novak, P.T. Raimondi, L. Washburn, and J.W. White. 2019. Community responses to climate-related variability and disease: The critical importance of long-term research. *Oceanography* 32(3):72–81, <https://doi.org/10.5670/oceanog.2019.313>.

Carr, M.H., J.W. White, E. Saarman, J. Lubchenco, K. Milligan, and J.E. Caselle. 2019. Marine protected areas exemplify the evolution of science and policy. *Oceanography* 32(3):94–103, <https://doi.org/10.5670/oceanog.2019.315>.

Lubchenco, J., B.A. Menge, J.A. Barth, M.H. Carr, J.E. Caselle, F. Chan, H.K. Fulton-Bennett, S.D. Gaines, K.J. Kroeker, K. Milligan, S.R. Palumbi, and J.W. White. 2019. Connecting science to

- policymakers, managers, and citizens. *Oceanography* 32(3):106–115, <https://doi.org/10.5670/oceanog.2019.317>.
- Kroeker, K.J., M.H. Carr, P.T. Raimondi, J.E. Caselle, L. Washburn, S.R. Palumbi, J.A. Barth, F. Chan, B.A. Menge, K. Milligan, M. Novak, and J.W. White. 2019. Planning for change: Assessing the potential role of marine protected areas and fisheries management approaches for resilience management in a changing ocean. *Oceanography* 32(3):116–125, <https://doi.org/10.5670/oceanog.2019.318>.
- Karatayev, V.A., M.L. Baskett, D.J. Kushner, N.T. Shears, J.E. Caselle, C.Boettiger. 2019. Grazer behavior can regulate large-scale patterns of community states. bioRxiv, 722215. doi: <http://dx.doi.org/10.1101/722215>.
- Friedlander, A.M., J Giddens, E Ballesteros, S Blum, EK Brown, JE Caselle, B Henning, C Jost, P Salinas-de-León, and E Sala. 2019. Marine biodiversity from zero to a thousand meters at Clipperton Atoll (Île de La Passion), Tropical Eastern Pacific. *PeerJ* 7:e7279 <https://doi.org/10.7717/peerj.7279>
- Papastamatiou, Y.P., T.W. Bodey, D. Bradley, A.M. Friedlander, J.E. Caselle, R. Freeman, and D.M.P. Jacoby. 2019. Multiyear social stability shapes cryptic colonial behavior in an ectothermic marine predator. *Integrative and Comparative Biology* 59: E179-E179.
- Clua, E., S. Bessudo, J.E. Caselle, C. Chauvet, C. Jost and A. Friedlander. 2019. Population assessment of the endemic angelfish *Holocanthus limbaughi* from Île de La Passion-Clipperton Atoll (Tropical Eastern Pacific). *Endangered Species Research* 38:171-176. <https://doi.org/10.3354/esr00947>
- McClanahan, T., R.E. Schroeder, A.M. Friedlander, L. Vigliola, L. Wantiez, J.E. Caselle, N.A.J. Graham, S. Wilson, G.J. Edgar, R.D. Stuart-Smith, and J. Cinner. 2019. Global benchmarks for coral reef fish biomass: comparing remote areas and high compliance closures. *Marine Ecology Progress Series*. 612:167-192 doi: 10.3354/meps12874
- Davis, K., P.M. Carlson, and J.E. Caselle. 2018. Herbivorous fish populations respond positively to a shipwreck removal and associated alteration of benthic habitat. *Frontiers in Marine Science*. 5:406. doi:10.3389/fmars.2018.00406
- Crane, N.L., J. Tariel, J.E. Caselle, A.M. Friedlander, D.R. Robertson and G. Bernardi. 2018. Clipperton Atoll as a model to study small marine populations: Endemism and the genomic consequences of small population size. *PLoS ONE* 13(6): e0198901. <https://doi.org/10.1371/journal.pone.0198901>
- Papastamatiou, Y.P., Y.Y Watanabe, U. Demsar, V. Leos-Barajas, D. Bradley, R. Langrock, K. Weng, C. G. Lowe, A.M. Friedlander, and J.E. Caselle. 2018. Activity seascapes highlight central place foraging strategies in marine predators that never stop swimming. *Movement Ecology*. 6:9. <https://doi.org/10.1186/s40462-018-0127-3>
- Caselle, J.E., Davis K., and L.M. Marks. 2018. Marine management affects the invasion success of a non-native species in a temperate reef system in California, USA. *Ecology Letters*. 21:43–53. doi:10.1111/ele.12869
- Caselle, J.E., S.L. Hamilton, K. Davis, C. Thompson, A. Turchik, R. Jenkinson, D. Simpson, and E. Sala. 2018. First quantification of subtidal community structure at Tristan da Cunha Islands in the remote South Atlantic: from kelp forests to the deep sea. In revision. *PLOS ONE* 13(3): e0195167. <https://doi.org/10.1371/journal.pone.0195167>

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- Aburto-Oropeza, O., A.F. Johnson, M. Agha, E.B. Allen, M.F. Allen, J.A. González, D.M. Arenas Moreno, R. Beas-Luna, S. Butterfield, G. Caetano, J.E. Caselle et. al. 2018. Harnessing cross-border resources to confront climate change. *Environmental Science and Policy*. 87:128-132. <https://doi.org/10.1016/j.envsci.2018.01.001>
- Claisse, J.T., C.A. Blanchette, J.E. Dugan, J.P. Williams, J. Friewald, D.J. Pondella, N.K. Schooler, D.M. Hubbard, K. Davis, L.A. Zahn, C.M. Williams and J.E. Caselle. 2018. Biogeographic patterns of communities across diverse marine ecosystems in southern California. *Marine Ecology*. 39:e12453. <https://doi.org/10.1111/maec.12453>.
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- Robinette, D.P., J. Howar, J.E. Caselle, and J. Claisse. 2018. Can nearshore foraging seabirds detect variability in juvenile fish distribution inside and outside of marine reserves? *Marine Ecology*. 39:e12485. <https://doi.org/10.1111/maec.12485>
- Klein, M., E.V. Van Beveren, D. Rodrigues, E.A. Serrão, J.E. Caselle, E.J. Gonçalves and R. Borges. 2018. Small-scale temporal patterns of recruitment and hatching of Atlantic horse mackerel (l.) at a nearshore reef area. *Fisheries Oceanography*. 27:505-516. <https://doi.org/10.1111/fog.12269>
- Ebert, T. Barr, L., Bodkin, L., Burcham, J., Bureau, D., Carson, H., Caruso, N., Caselle, J.E. and 38 others. 2018. Size, growth, and density data for shallow-water sea urchins from Mexico to the Aleutian Islands, Alaska, 1956–2016. *Ecology* 99: 761-761. doi:10.1002/ecy.2123
- Papastamatiou, Y.P., T.W. Bodey, A.M. Friedlander, C.G. Lowe, D. Bradley, K. Weng, V. Priestly, and J.E. Caselle. 2018. Spatial separation without territoriality in shark communities. *Oikos*. D127:767-779. doi:10.1111/oik.04289.
- Sterling E. and 43 others. 2017. Biocultural approaches to sustainability indicators: bridging local and global scales to foster human adaptive capacity and ecological resilience. *Nature Ecology and Evolution*. 1: 1798–1806. doi:10.1038/s41559-017-0349-6
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- Gleason, M.G., J. E. Caselle, et al. 2018. Horizon scanning: survey and research priorities for coastal and marine systems of the northern Channel Islands, California. *Western North American Naturalist* 78(4):864–878
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- Friedlander, A.M., Y. Golbuu, J.E. Caselle, E. Ballesteros, M. Gouezo, D. Olsudong, and E. Sala. 2017. Size, age, location, and habitat determine effectiveness of Palau’s Marine Protected Areas. *PLoS ONE* 12(3):e0174787. doi:10.1371/journal.pone.0174787
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<https://doi.org/10.3354/meps12053>
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- Gleason, M., Iudicello, S and J.E. Caselle. 2017. Collaborative fisheries research in California: A situational analysis. Report to David and Lucille Packard Foundation.
- Goldstein, J., T. Boucher, S. Wear, J.E. Caselle and E. Kalies. 2016. CbD 2.0: Identifying Linked Challenges for Nature and People: *Global Situation Analysis – Summary Report*. The Nature Conservancy, Global Office.
- Jost, C., A. Friedlander, E. Ballesteros, E. Brown, J. Caselle, B. Henning, M. Hoyos, P. Salinas de León, P. Rose, C. Thompson and E. Sala. 2016. L'atoll de Clipperton (Île de la Passion): Biodiversité, menaces, et recommandations pour sa conservation. Report to the Government of France. National Geographic Pristine Seas
- Caselle, J.E. A Decade of Change in the Channel Islands Marine Protected Area. Partnership for Interdisciplinary Studies of Coastal Oceans. www.piscoweb.org. 4 pp
- Sala, E., A. Friedlander, E. Ballesteros, E. Brown, H. Bradner, J. Caselle, J.M. Fay and A. Turchik. 2012. Pitcairn Islands expedition report. National Geographic and Pew Environmental Group. 99p.
- Partnership for Interdisciplinary Studies of Coastal Oceans. 2011. The Science of Marine Reserves (2nd Edition, Europe). www.piscoweb.org. 22 pages. Convening Lead Author (with 16 others)
- Sala, E. [Ed]. 2009. Biodiversity and ecology of the coral reefs of the Southern Line Islands, Kiribati. Report to the Ministry of Environment, Land, and Agriculture Development (MELAD), Kiribati. National Geographic, Washington, D.C., 51pp. (Contributor)
- California Department of Fish and Game, Partnership for Interdisciplinary Studies of Coastal Oceans, Channel Islands National Marine Sanctuary, and Channel Islands National Park. 2008. Channel Islands Marine Protected Areas: First 5 Years of Monitoring: 2003–2008. Airamé, S. and J. Ugoretz (Eds.). 20 pp. www.dfg.ca.gov/marine (Chapter author).
- Clark, R., W. Morrison, M. J. Allen, J. Christensen, L. Claffin, J. Caselle and D. Pondella. 2005. Biogeography of Marine Fishes. Chapter 4, In: A Biogeographic Assessment of the Channel Islands National Marine Sanctuary (R. Clark, J. Christensen, C. Caldow, J. Allen, M. Murray and S. MacWilliams eds). pp 89-134. NOAA Technical Memorandum NOS NCCOS 21.

- Friedlander, A., J. Beets, J. Caselle, B. Bowen, T. Ogawa, C. Lowe, T. Calitri, and M. Lange. 2005. Investigation of the Biology and Monitoring the Stock of Bonefish of Palmyra Atoll, Line Islands, Central Pacific Ocean. Year-two Report to The Nature Conservancy Palmyra Project. 38 pp.
- Caselle, J.E., Hoeflinger, C. and C. Miller. 2003. Movement Patterns of Nearshore Marine Fishes in the Channel Islands National Marine Sanctuary . Final Report to the Channel Islands National Marine Sanctuary Foundation Fishermen-Scientist Collaborative Project.
- Partnership for Interdisciplinary Studies of Coastal Oceans. Coastal Connections, Volume 1-6, 2002-2007 (Multiple authors)
- Love, M.S., J.E. Caselle, and L. Snook. 1999. Preliminary comparison of fish communities between an offshore oil platform and a natural reef. In Love, M.S., M. Nishimoto, D. Schroeder, and J.E. Caselle. 1999. The Ecological Role of Natural Reefs and Oil and Gas Production Platforms on Rocky Reef Fishes in Southern California: Final Interim Report. U.S. Department of the Interior, U.S. Geological Survey, Biological Resources Division, USGS/BRD/CR-1999-007. 208 pp.
- Caselle, J.E. Fishes associated with drifting algal mats in the Santa Barbara and San Pedro Channels. In Love, M.S., M. Nishimoto, D. Schroeder, and J.E. Caselle. 1999. The Ecological Role of Natural Reefs and Oil and Gas Production Platforms on Rocky Reef Fishes in Southern California: Final Interim Report. U.S. Department of the Interior, U.S. Geological Survey, Biological Resources Division, USGS/BRD/CR-1999-007. 208 pp.
- Caselle, J.E. 1997. Recruitment and early post-settlement processes in coral reef fishes. Doctoral Dissertation, University of California, Santa Barbara.

Invited Seminars/Symposium Papers

- 1995 Australian Society for Reef Fish-Early Life History of Fishes, Sydney, Australia. Invited symposium paper- **Honorable Mention Best Paper Award**
- 1996 Scripps Institution of Oceanography, Univ. of California San Diego. Dept. seminar
- 1996 International Coral Reef Society Meeting, Panama City, Panama. Invited symposium paper.
- 1998 Department of Biology, California State University, Northridge. Dept. seminar
- 2000 PISCO-Mellon Symposium, Corvallis, Oregon (presented two talks, co-author on five additional). Invited symposium paper
- 2001 Gulf Coast and Caribbean Fisheries Institute Annual Meeting, Turks and Caicos. Invited symposium paper
- 2002 PISCO Public Symposium, Monterey. **Keynote address.**
- 2002 Department of Oceanography and Fishes, University of the Azores, Portugal. Dept. seminar
- 2004 Southern California Academy of Sciences, CSU State Long Beach. Invited symposium paper.
- 2004 Department of Oceanography and Fishes, University of the Azores, Portugal. Dept. seminar
- 2004 Channel Islands National Marine Sanctuary, Santa Barbara, CA. Sanctuary Advisory Council presentation
- 2006 Western Groundfish Conference, Newport, OR. Invited symposium paper
- 2007 Larval Fish Conference (Early Life History Section of American Fisheries Society). St Johns, Newfoundland. **Keynote Address.**
- 2007 Western Society of Naturalists, Ventura CA. **Plenary address.**
- 2007 PISCO All-Hands Symposium. Corvallis, OR. Invited symposium paper

- 2008 Special symposium: 5 years of monitoring the Channel Islands Reserves, Oxnard, CA. (Co-hosted symposium)
- 2008 Department of Biology, Santa Barbara City College, CA. Dept. seminar
- 2008 AAUS Pacific Division, Kona, Hawai'i. Invited symposium paper
- 2009 Department of Atmospheric and Oceanic Sciences, University of California Los Angeles. Dept. seminar
- 2009 International Marine Conservation Congress, Fairfax, VI. (2 invited symposia papers.
- 2009 Habitat Restoration seminar series, University of California Santa Barbara. Dept. seminar
- 2009 Western Society of Naturalists, Monterey, CA. **Naturalist of the Year Address**
- 2009 CalCOFI Annual Conference, Monterey, CA. Invited symposium paper
- 2010 Department of Fisheries, Animal and Veterinary Science, University of Rhode Island. Dept. seminar
- 2011 Bodega Bay Marine Lab, University of California Davis. Dept. seminar
- 2011 International Marine Conservation Congress, 'Beyond the Obituaries', Victoria, Canada. Invited symposium paper
- 2011 French National Agency on Marine Protected Areas. Monitoring Ecosystems. Paris, France. **Keynote Speaker**
- 2012 Moss Landing Marine Labs. Moss Landing, CA. Dept. seminar
- 2012 Centers of Ocean Sciences Education Excellence (COSEE) West, Public Lecture on MPAs.
- 2012 Bren School of Environmental Science and Management. Santa Barbara, CA. Dept. seminar
- 2014 Channel Islands National Marine Sanctuary Advisory Council presentation. Management presentation
- 2015 Channel Islands National Park, Shore to Sea series, Ventura, CA. Public presentation
- 2015 Monterey Bay National Marine Sanctuary Currents Symposium, Monterey, CA
- 2015 Bodega Marine Lab, U.C. Davis, Bodega CA. Dept. seminar
- 2015 Paradise Dive Club, Santa Barbara, CA. Public presentation
- 2015 California State Senate briefing on 'Our Changing Oceans'. Sacramento, CA
- 2016 Western Society of Naturalists, Monterey, CA. **Invited Plenary speaker**
- 2016 Fish and Game Commission, San Diego CA. Management presentation
- 2017 Aquarium of the Pacific, Long Beach CA. Public presentation
- 2017 Royal Geographic Society presentation (TdC- July)
- 2018 Hopkins Marine Station, Stanford University, Monterey, CA. Dept. seminar
- 2018 SIO course on MPAs San Diego (Feb) Invited course lecture
- 2018 SNARL Seminar series, Mammoth Lakes, CA. Public presentation
- 2018 Islands Futures Conf, Honolulu HI. Invited symposium paper
- 2019 International Conference on Fish Telemetry, Arendal, Norway. (June) **Invited Keynote speaker**
- 2020 Capitol Hill Ocean Week, Virtual. **Invited speaker and panelist**
- 2020 Mobilizing Insights from California's MPA Network Monitoring Program to Inform MPA Network Planning in British Columbia, Virtual. **Invited speaker and panelist**

Invited Workshops

- 1995 ReeFish '95, International workshop on the recruitment and population dynamics of coral reef fishes. Kuranda, Australia *
- 1999 California Nearshore Fisheries Management Workshop, Development of fisheries management plans for the Marine Life Management Act. Santa Barbara CA
- 2000 West Coast Rockfish management workshop (Federal and State managers and Biologists). Tiburon, CA. *
- Minerals Management Service-Quality Review Board meeting, San Diego CA.*
- 2002 Fisherman's Forum on Collaborative Research, Monterey, CA.
- 2004 National Marine Fisheries Service, Conservation of North Pacific Rockfishes: Ecological Genetics and Stock Structure, Workshop. Seattle, WA *
- 2005 CA sheephead stock assessment workshop I, CA Dept. of Fish and Game, Santa Barbara CA. **(co-hosted with CA Dept of Fish and Game)** *
- Blue Ribbon Task Force of Marine Life Protected Act, Pasadena, CA.*
- 2007 Monitoring Workshop for the Southern Californian Pacific Ecoregion: North American Marine Protected Areas Network. La Jolla, CA. *
- 2008 Commercial Fishing Collaborative workshop, Morro Bay, CA.
- Collaborative Fisheries Research workshop, CA Ocean Protection Council, Oakland, CA
- 2009 CA sheephead stock assessment workshop II (CA Dept. of Fish and Game, Santa Barbara CA. **(co-hosted with CA Dept of Fish and Game)** *
- Tropical-Temperate comparisons in larval dispersal. Larval Fish Conference Symposium **(Co-Organizer with J. Leis and R. Warner)***
- 2010 Developing common monitoring strategies for EU Atlantic MPAs, MAIA International Workshop,. Sesimbra, Portugal *
- Marine Protected Area Monitoring workshop, Forever Costa Rica, The Nature Conservancy, , Costa Rica
- Marine Protected Area Monitoring workshop, OR Dept of Fish and Wildlife, Newport OR *
- International Workshop on Computational Biology, Okinawa Institute of Science and Technology, Okinawa, Japan. *
- 2011 CA Sheephead Stock Assessment Workshop III, Santa Barbara CA. **(co-hosted with CA Dept of Fish and Game)** *
- Marine Protected Area Monitoring Workshop, Oregon Dept. of Fish and Wildlife and COMPASS, Newport OR
- French National Agency on Marine Protected Areas. Monitoring Ecosystems. Paris, France. **(Keynote Speaker)***
- 2014 Seastar Wasting Disease Oregon Department of Fish and Wildlife and CA, WA and OR Seagrants, Newport OR
- 2015 Cost-effective Visual Tools, The Nature Conservancy & CA Seagrant, Monterey, CA
- Bio-cultural Indicators of Community Resilience, American Museum of Natural History and Wildlife Conservation Society, Munda, Solomon Islands.
- Bio-cultural Indicators of Resilience, American Museum of Natural History, Montpellier, France*
- Planning for Long-term Monitoring in the South Coast Region, Santa Barbara, CA. **(Co-organizer)***
- Long-term Monitoring for Long-term Change (co-sponsor), Sacramento CA
- South Coast MLPA Baseline Integrative workshop, Santa Barbara, CA **(Organizer)***
- California State Senate briefing on 'Our Changing Oceans". Sacramento, CA *
- 2016 Island Rediscovery Workshop, Ventura CA

- 2017 Biocultural Indicators, SNAPP working group, NCEAS, Santa Barbara, CA
 Deepwater Monitoring for California-tools and techniques, Moss Landing, CA
 Future of marine protection for Tristan da Cunha, Blue Belt. Royal Society for Protection of
 Birds and UK Foreign Commonwealth Office, London, UK*
 Western Society of Naturalists, Presidential Symposium, Pasadena, CA
(Organizer)
- 2018 Kelp futures in California, The Nature Conservancy of California **(Co-organizer)** *
 Science planning for Once Through Cooling. Ocean Science Trust, Santa Cruz, CA.
- 2019 Kelp Mappers meeting, The Nature Conservancy, San Francisco, CA*
 TNC Fisheries workshop, Dangermond Preserve, CA*
 Chile California Conservation Exchange (CCCX) conference, Pt. Reyes, CA *
- 2020 Oregon MPA Size and Spacing workshop, The Nature Conservancy and Oregon State
 University, Corvallis, OR
- 2021 Public Workshop on Advancing 30x30: Conservation of Coastal Waters; **Invited Panelist***.
<https://www.youtube.com/watch?v=b1P5e64tT6k>

* denotes that a presentation was given.

Contributed Papers (does not include co-authored papers presented by students and colleagues)

- 1992 International Society for Reef Studies, Berkeley, CA.
- 1993 American Society of Ichthyologists and Herpetologists Annual Meeting, Austin, TX.
- 1994 American Society of Ichthyologists and Herpetologists Annual Meeting, Los Angeles, CA.
- 1995 American Fisheries Society-Early Life History Section, New Brunswick, Canada. **Honorable
 Mention Best Paper Award.**
- 1997 American Fisheries Society-Early Life History Section, Seattle, WA. **Best paper award.**
- 1997 American Society of Ichthyologists and Herpetologists Annual Meeting, Seattle, WA.
- 1997 Western Society of Naturalists, La Paz, Mexico.
- 1999 Artificial Reefs Congress, San Remo, Italy.
- 2000 Western Groundfish Conference, Sitka, Alaska.
- 2001 Marine Conservation Biology Institute Annual Meeting, San Francisco, California.
- 2002 Larval Biology Meetings, Vigo, Spain. (2 talks)
- 2003 California Islands Symposium, Ventura, CA.
- 2004 Western Society of Naturalists, Santa Rosa, CA.
- 2005 American Fisheries Society, Wakefield Symposium, Anchorage, AK.
- 2006 Western Groundfish Conference, Newport, OR.
- 2007 American Fisheries Society Annual Meeting. San Francisco, CA.
- 2008 Larval Biology Meeting, Lisbon, Portugal
- 2011 Western Society of Naturalists, Vancouver, WA
- 2012 International Coral Reef Symposium, Cairns, Australia
- 2012 California Islands Symposium, Ventura, CA
- 2103 International Marine Protected Areas Congress, Marseille, France
- 2013 Western Society of Naturalists, Oxnard, CA
- 2014 GEOHAB, Lorne, Australia
- 2014 Western Society of Naturalists
- 2015 Western Society of Naturalists
- 2016 International Coral Reef Symposium, Honolulu, HI
- 2016 International Temperate Reef Symposium, Pisa, Italy
- 2017 Indo-Pacific Reef Fish Conference, Papeete, Tahiti, French Polynesia
- 2019 Western Society of Naturalists, Ensenada, Mexico

GRANTS AND CONTRACTS SINCE 2000 (TOTAL \$51.5 MILLION)

- 2022 The Nature Conservancy. "Palmyra Fishing for Science". \$50,511. (PI)
- 2022 David and Lucille Packard Foundation. "PISCO: Climate resilience and evaluation of MPA networks" \$299,545 (Co-PI)
- 2021-2022 The Nature Conservancy. "Data compilation and management for Palmyra Atoll". \$129,557 (PI)
- 2020-2023 Marisla Foundation. "Coral reef resilience in a rare, undisturbed ecosystem: UCSB and Palmyra Atoll 2020-2022". \$300,000 (PI)
- 2020-2022 The Nature Conservancy of California. "Kelp management and restoration" \$117,587 (PI)
- 2020-2023 CA Sea Grant. "Where, when and how? A guide to kelp restoration in California using spatio-temporal models of kelp dynamics." \$380,503 (PI)
- 2020-2021 CA Department of Fish and Wildlife. "Collaborative fisheries monitoring for California's network of MPAs-2020" \$99,372 (Co-PI)
- 2019-2023 National Science Foundation. "Long-term Ecological Research (LTER): National Communications Office (LNCO)". \$4,395,000 (Co-PI)
- 2019-2022 David and Lucille Packard Foundation. "Partnership for Interdisciplinary Studies of Coastal Oceans." \$3,000,000 (Co-PI)
- 2019-2024 Bureau of Ocean Energy and Management "Long-term Multi-Agency Rocky Intertidal Network (MARINe) Monitoring" \$310,077 (Co-PI)
- 2019-2023 CA Ocean Protection Council - CA Sea Grant. "Monitoring and Evaluation of Kelp Forest Ecosystems in the MLPA Marine Protected Area Network" \$2,600,000 (Co-PI)
- 2019-2023 CA Ocean Protection Council - CA Sea Grant. "Monitoring and Evaluation of Mid-Depth Rocky Reef Ecosystems in the MLPA Marine Protected Area Network." \$2,400,000 (Co-PI)
- 2019-2023 CA Ocean Protection Council - CA Sea Grant. "California Collaborative Fisheries Research Program – Monitoring and Evaluation of California Marine Protected Areas" \$2,000,000 (Co-PI)
- 2019-2022 CA Ocean Protection Council - CA Sea Grant. "Assessment of Rocky Intertidal habitats for the California Marine Protected Area Monitoring Program" \$1,000,000 (Co-PI)
- 2018-2020 The Nature Conservancy of California. "Development of kelp action plan". \$208,833 (PI)
- 2018-2019 The Nature Conservancy of California. "Monitoring of California's MPA network to improve fisheries management using citizen science". \$26,149. (PI)
- 2017-2019 David and Lucille Packard Foundation. "Partnership for Interdisciplinary Studies of Coastal Oceans." \$3,000,000 (with 11 Co-PIs)
- 2017-2019 CA Ocean Protection Council. "California Collaborative Fisheries Research Program: Statewide MPA monitoring". \$192,000. (PI)
- 2016-2018 CA Ocean Protection Council. "Evaluation of Methods for Long Term Monitoring for the State of California". \$79,161. (PI)

- 2016-2017 CA Ocean Protection Council. "Data collection in Kelp & Shallow Rock Ecosystems (0-30 m) in the South Coast MLPA Regions". \$131,040. (PI)
- 2016 The Nature Conservancy. "Scientific and strategic support of TNC Ocean Initiatives". \$65,000. (PI)
- 2016-2019 MarIsla Foundation. "Coral Reef Research in a Rare, Undisturbed Ecosystem: UCSB and Palmyra Atoll". \$525,000 (PI)
- 2016-2017 CA Sea Grant. "Species distribution models for management of fisheries and MPAs: innovative approaches to cost-effective data collection in California". \$247,231. (PI)
- 2015-2019 National Science Foundation. "Long-term Ecological Research (LTER): National Communications Office (LNCO)". \$4,148,614 (Co-PI)
- 2014-2016 CA Department of Fish and Wildlife. "MPA monitoring and sea star wasting surveys in kelp forest ecosystems". \$85,000 (Co-PI)
- 2014 Waitt Foundation and National Geographic. "Exploration of Apex predators and Deepwater Biodiversity in an Unfished, Pristine Atoll". \$10,930. (PI)
- 2013-2015 David and Lucille Packard Foundation. "Partnership for Interdisciplinary Studies of Coastal Oceans." \$3,000,000 (Co-PI)
- 2012-2015 MarIsla Foundation. "Coral Reef Research in a Rare, Undisturbed Ecosystem: UCSB and Palmyra Atoll". \$525,022 (PI)
- 2012-2014 Gordon and Betty Moore Foundation, "Understanding Coral Reef Resilience to Advance Science and Conservation". \$2,476,843 (Co-PI)
- 2012 Bureau of Ocean Energy and Management. "Regional Importance of Man-made Structures as Rockfish Nurseries". \$105,463 (PI)
- 2012 David and Lucille Packard Foundation. "Partnership for Interdisciplinary Studies of Coastal Oceans." \$1,000,000 (Co-PI)
- 2011-2014 California Coastal Conservancy/CA Sea Grant. "Integrative Assessment of baseline ecological and socioeconomic conditions and initial changes within the South Coast MPA region." \$265,000 (PI)
- 2011-2014 California Coastal Conservancy/CA Sea Grant. "South Coast MPA Kelp and Shallow Rock Ecosystems: Baseline data collection and long-term trends \$269,804 (PI)
- 2011 Channel Islands National Marine Sanctuary. "Maintenance of PISCO-CINMS moorings in the Channel Islands National Marine Sanctuary". \$14,597 (PI)
- 2010-2013 National Science Foundation, "CAMEO: Comparative Approach to Predicting the Consequences of an Impending Reinvasion: Top-Predator Effects on Californian Nearshore Fisheries", \$565,982. (Co-PI)
- 2010 USDI National Park Service. "Analysis and Publication of Long-term Kelp Forest Monitoring Data Inside and Adjacent to the Channel Islands Marine Protected Areas". \$15,821 (PI)
- 2010 Channel Islands National Marine Sanctuary. "Maintenance of PISCO-CINMS moorings in the Channel Islands National Marine Sanctuary". \$32,200. (PI)
- 2010-2012 Gordon and Betty Moore Foundation. "Science to Policy, the Marine Life Protection Act". \$2,000,198. (Co-PI).

- 2009-2011 Santa Barbara County Air Pollution Control District. "Repower the R/V Cormorant". \$22,900 (PI)
- 2008-2010 Marisla Foundation. "Coral Reef Research in a Rare, Undisturbed Ecosystem: UCSB and Palmyra Atoll". \$600,000 (PI)
- 2008 Channel Islands National Marine Sanctuary. "Maintenance of PISCO-CINMS moorings in the Channel Islands National Marine Sanctuary". \$33,001 (PI)
- 2008 CA Sea Grant Isaacs Fellowship. Undergraduate Support for "Assessing changes in life history traits and reproductive function of CA sheephead across its range: historical comparisons and the effects of fishing". \$2,500. (PI)
- 2008-2009 CA Sea Grant. "Assessing changes in life history traits and reproductive function of CA sheephead across its range: historical comparisons and the effects of fishing". \$86,457. (PI)
- 2007-2009 California Coastal Conservancy. "Monitoring and Assessment of Marine Reserves at the Northern Channel Islands: A Multi-Species, Collaborative Trapping Program". \$407,855. (Co-PI)
- 2007-2009 NOAA-Montrose Settlements Restoration Project "Interpreting changes in community structure in marine reserves in light of spatial and temporal patterns of settlement." \$187,309. (PI)
- 2007-2008 CA Ocean Protection Council. "Filling the Gaps: Marine Protected Area Monitoring in the Channel Islands". \$371,187 (PI)
- 2006-2007 University of California Marine Council-CEQI. "Assessing the assessment: new models for informing the design of monitoring and evaluation programs for kelp forest ecosystems in California's MPAs". \$494,061. (Co-PI).
- 2006 Channel Islands National Marine Sanctuary. "Maintenance of PISCO-CINMS moorings in the Channel Islands National Marine Sanctuary". \$14,010. (PI)
- 2005 California Department of Fish and Game. "California Sheephead Stock Assessment". \$19,561. (PI)
- 2005 Channel Islands National Marine Sanctuary. "Maintenance of PISCO-CINMS moorings in the Channel Islands National Marine Sanctuary". \$18,200. (PI)
- 2005-2006 National Park Service. "Establish baseline ecological conditions of newly established marine reserves at the Channel Islands" \$172,791. (PI)
- 2004-2005 CA Sea Grant. "The effects of habitat composition, quality and breaks on home ranges of exploited nearshore reef fishes", \$125,917. (PI).
- 2004 CIAP-California Department of Fish and Game. "CRANE- Santa Barbara Channel: community surveys in nearshore areas of the Santa Barbara Channel". \$319,334. (PI)
- 2003 CA Sea Grant. "Use of natural tags in *Loligo opalescens* paralarvae to track dispersal". \$9,999. (Co-PI)
- 2001 NOAA/National Undersea Research Program West Coast and Polar Region. "Movement patterns of nearshore fishes within and adjacent to a marine protected area using acoustic telemetry". \$13,500. (PI)

- 2001-2002 Channel Islands National Marine Sanctuary Foundation. "Movement patterns of nearshore marine fishes in the Channel Islands National Marine Sanctuary-collaborative fisheries research". \$50,000. (PI)
- 2000-2001 National Fish and Wildlife Foundation. "An evaluation of marine reserves as a conservation tool for selected reef fish species harvested in the Southern California live finfish fishery". \$115,000. (PI)

EXPEDITIONS AND CRUISES

- 2020 Blue Prosperity and 100 Island Challenge, Maldives
- 2018 National Geographic Pristine Seas, Azores, Portugal
National Geographic Pristine Seas, Tierra del Fuego and Isla de los Estados
Islas Marias, Mexico*
Islas Marias Biodiversity and Conservation, Islas Marias, Mexico**
- 2017 National Geographic Pristine Seas, Tristan da Cunha and associated islands and seamounts**
One People, One Reef, Micronesia Outer Islands Yap
- 2016 National Geographic Pristine Seas, Niue. Ocean Explorer
- 2016 National Geographic Pristine Seas, Clipperton Atoll.
- 2014 National Geographic Pristine Seas, Palau.
- 2013 National Geographic Pristine Seas, Desventuradas Islands.
- 2013 Barbuda Blue Halo, Barbuda.
- 2012 National Geographic Pristine Seas, Pitcairn Islands.
- 2009 National Geographic Pristine Seas, Southern Line Islands.
- 2008 Northern Line Islands. Management of sport fishery resources. **
- 1999-2015 California. Kelp Forest community structure and MPA monitoring in the CA Current. Multiple expeditions. **
- 1998 Baja California. Biogeographic survey of fishes of northern Baja.
- 1998 Clipperton Atoll. Population dynamics and genetics of fishes at the remote Clipperton atoll
- 1997 Cook Islands and Fiji. Reconstruction of past sea temperatures and El Nino events
- 1996 NOAA/NURP Hydrolab, Key Largo, FL. Investigations of mass coral spawning

*Served as Chief Scientist or Principal Investigator

TEACHING

Instructor of Record:

1996-98, 2007-09, 2012-16 Biology of Fishes
1995, 1997 Ethology and Behavioral Ecology

Approximate enrollment:

80 upper division majors/grads
75 upper division majors/grads

Teaching Assistant:

1993 Ethology and Behavioral Ecology 75 upper division majors/grads
1993 Population Genetics 40 upper division majors/grads
1993 Statistics 30 upper division majors
1991, 1994 Topics in Biology 400 non-majors

Laboratory coordinator:

1996 Biology of Fishes
1995 Behavioral Ecology

Guest Lecturer:

1999-2004, 2010-11 Biology of Fishes 80 upper division majors
2007 Marine Policy 20 graduate students
2000 Intro to Oceanography 50 lower division majors

STUDENTS/SCHOLARS SUPERVISED

Postdoctoral Scholars (with current position)

Dr. Mark Readdie (Reserve Director, Univ. California Big Creek Natural Reserve)
Dr. Cesar Vilas (Research Prof. of Fisheries, Inst. de Investigación y Formación Agraria y Pesquera, Cadiz, Spain)
Dr. Nick Shears (Professor, Auckland University, New Zealand)
Dr. Scott Hamilton (Professor, Moss Landing Marine Labs)
Dr. Rita Borges (Research Biologist, Universidade do Algarve, Portugal)
Dr. Stephen Gosnell (Professor, Baruch College, City Univ. of New York)
Dr. Ren Cabral (Researcher, UC Santa Barbara)
Dr. Mark Ladd (Research scientist, NOAA Southeast Fisheries Science Center)
Dr. Barbara Spiecker (current - MSI)
Dr. Anita Giraldo Ospina (current - MSI)
Dr. Joshua Smith (current - NCEAS)

PhD Students

Supervisor

Jorge Fontes (University of Azores, Portugal)
Barbara Costa (ISPA, Portugal)
Maria Klein (Univ. Algarve, Portugal)
Darcy Bradley
Ryan Freedman
Noe Casteneda

Co-Supervisor R. Santos
Co-Supervisor E. Goncalves
Co-Supervisor R. Borges
Co-supervisor S. Gaines
Co-supervisor S. Gaines
Co-supervised D. Burkepile

Committee member

Dr. Jono Wilson (UCSB) - 2012
Dr. Sarah Teck (UCSB) - 2015
Dr. Darcy Bradley (UCSB) - 2016
Dr. Laura Dee (UCSB) - 2015
Dr. April Ridlon (UCSB) – 2018
Dr. John McLaughlin (UCSB) - 2018
Ana Guerra (UCSB) – current
Nury Molina (UCSB) - current
Cori Lopanzanski (UCSB) - current

External PhD Examiner

Sahira Bell (University of Western Australia) – 2021
Richard Zavalas (Deakin University Australia) – 2017

Masters Students

Supervisor

Clara Svedlund (UCSB) – 2004
Alice Soccodato (Univ. Bologna) – 2010
Peter Carlson (UCSB) - 2016
Kathryn Davis (UCSB) – 2016
Nicholas Pieper (Univ. Utrecht) – 2019
Conner Jainese (UCSB) - current

Committee member

Darin Topping (CSU Long Beach) – 2004

Lyall Belquist (CSU Long Beach) – 2006
Michelle Graves (CSU San Francisco) – 2006
Jono Wilson (Cal Poly San Luis Obispo) – 2007
Kerri Loke (CSU Long Beach) – 2011
Katrina Munsterman (UCSB) – 2019
John Parsons (UCSB) - current

Select Undergraduate Advisees (with current position)

(over 50 research projects and senior/honor theses supervised since 1999)

Jeremy Claisse	Professor, Cal Poly Pomona College
Catrina Mangiardi	Environmental Consultant
Stephanie Mutz	Lecturer Santa Barbara City College / commercial fisherman
Brad Erisman	Professor, University of Texas
Lyall Belquist	Biologist, The Nature Conservancy
Neosha Kashef	Biologist, National Marine Fisheries Service
David Stafford	Biologist, National Marine Fisheries Service
Alison Haupt	Professor, California State University Monterey Bay
Mary Donovan	Professor, Arizona State University
Bonnie Rogers	Biologist, Army Corps of Engineers
Coulson Lantz	Research Associate Cal State Northridge
Chris Teague	Research Biologist, Dept Natural Resources, Hawai'i
James Benson	Masters, Bren School of Environmental Science and Management
Conner Applewhite	Teacher
Sara Rosenblatt	Completed Masters, San Diego State University
Brittany Tholan	Masters student, Duke University
Jacob Eurich	Scientist, Environmental Defense Fund
Keegan Bell	Research technician and aspiring PhD student, UCSB
Jake Eisaguirre	BREN MEDS program and aspiring PhD student, UCSB
Ara Yarzarian	Masters student, Cal State Fullerton (UCSB REU student)
Robin Grathwohl	Research analyst Enverus (industry) (UCSB REU student)
Jade Zounes	Research technician and aspiring PhD student, UCSB
Geraldine Urgel	Current undergrad (PROMISE scholar and EUREKA fellow), UCSB

University Service and Leadership

2021-present Marine Science Institute Advisory Committee - **Chair**
2012-2020 Marine Science Institute Resources committee - **Member**
2012-2015 Marine Science Institute Advisory Committee - **Member**
2012-2021 UCSB Diving Control Board - **Chair**
2009-2012 UCSB Committee on Faculty Issues and Awards (**Non-senate representative**)
2006-present UCSB Small Boats Committee **Member**
2004-2012, 2021-present UCSB Diving Control Board - **Member**

Other Professional, Community Service and Outreach

Selected recent press

2015 KCRW radio. Topic: Marine Protected Areas
<http://curious.kcrw.com/2015/09/how-to-fish-a-protected-ocean>
The California Sunday Magazine. Topic: Fisheries.
<https://stories.californiasunday.com/2015-03-01/fish-conservation/>

2016 Al Jazeera America Tech Know television/online Topic: El Nino and climate.

<https://www.aljazeera.com/programmes/techknow/2016/11/climate-chaos-el-nino-weather-161108114844184.html>

2018 Mutual of Omaha Wild Kingdom online series. Topic: Kelp forests (5 part series).

https://www.youtube.com/playlist?list=PLA1UeRQ_bbVvXTkRail6Z9S5JFytH38mn

2020 Fish Talk podcast with Paul Greenberg and Nic Mink

<https://thefishtalkpodcast.com/episodes/>

Other contributions

Best Student Paper Competition Judge, Western Society of Naturalists, 1999-present.

JASON Project-Onscreen Host and Curricula Development advisor, outreach to middle school students throughout the U.S.

I regularly present talks and lectures to decision makers, educators, students and stakeholder groups. Examples:

Decision Makers: CA State Senate, CA Fish and Game Commission, CA Ocean Protection Council, Marine Life Protection Act Blue Ribbon Task Force, Channel Islands National Marine Sanctuary Advisory Council, British Columbia MPA network

Educators: teacher trainings held by Center for Ocean Futures and Ocean Futures Society
K-12: Laguna Blanca School, San Marcos High School, Dos Pueblos High School, Washington Elementary, Anacapa school, United Way Boys and Girls club

Environmental groups: Santa Barbara Channelkeeper, BC Nature United, The Nature Conservancy

Stakeholder groups: Gold Coast lady Angers, Coastal Conservation Association California, Santa Barbara Sport fishing club, Paradise dive club

Professional Societies

Western Society of Naturalists-**Member of the Secretariat and Executive Board (1999-2002), President 2016-17**, Ecological Society of America, American Society of Ichthyologists and Herpetologists, American Fisheries Society, Society for Conservation Biology, American Academy of Underwater Sciences

Reviewer for:

Science, PNAS, Nature, Ecology Letters, Ecology/Ecological Monographs, Ecological Applications, Biological Conservation, Conservation Biology, Marine Biology, PlosOne, Coral Reefs, ICES Journal of Marine Science, Journal of Experimental Marine Biology and Ecology, Fishery Bulletin, Bulletin of Marine Science, MEPS, Physical Oceanography, NOAA Technical Reports, Limnology and Oceanography, Florida Seagrant, NOAA/ National Undersea Research Program, Caribbean Marine Research Center (**Panel reviewer**) and West Coast and Polar Region, National Science Foundation (**mail and panel reviewer**), Bertarelli Foundation (**Panel reviewer**)