CURRICULUM VITAE — MICHAEL N DAWSON

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EDUCATION

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2000	Ph.D., Biology, University of California, Los Angeles, USA. Thesis: "*Molecular variation and evolution in coastal marine taxa*."
1994	M.Sc., Biological Computation, University of York, England. Thesis: "*REEFISH: modelling coral reef fisheries*."
1993	B.Sc., Marine Biology, University of Newcastle-Upon-Tyne, England. Thesis: "*Hylleberg's concept of 'gardening' and the nutrition of* Arenicola marina *(Linné)*."

RESEARCH APPOINTMENTS

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Research Positions

July 17 – Present	Full Professor, University of California, Merced.
July 12 – Jun 17	Associate Professor, University of California, Merced.
Oct 06 – Jun 12	Assistant Professor, University of California, Merced.
Mar 05 – Sep 06	Post-doctoral Researcher, w/ R. K. Grosberg, University of California, Davis. *Responsibilities:* To manage and develop research on the demography, population genetics, range expansion, and range limits of coastal marine invertebrates of Pacific North America. To co-ordinate and undertake field and lab work, supervise undergraduate students, and write manuscripts and grant applications.
Jun 04 – Feb 05	Visiting Research Biologist, Coral Reef Research Foundation (CRRF), Palau. *Responsibilities: Independent research.* (1) Prepare reports, scientific presentations, and manuscripts on the ecology and evolution of marine lake ecosystems. (2) Fieldwork for Holocene paleoclimate and ENSO reconstruction in Palau. (3) Fieldwork for stable isotope analyses of marine lake foodwebs. (4) Grant writing. Visiting Research Associate, University of New South Wales, Australia. *Responsibilities:* Independent research, grant reporting, and writing manuscripts comparing population genetics and otolith microchemistry of estuarine fishes.
Jun 01 – Jun 04	Vice-Chancellor's Post-Doctoral Research Fellow, Centre for Marine and Coastal Studies, University of New South Wales, Australia. *Responsibilities:* Develop independent research, prepare grant applications, reports and manuscripts on, for example, (1) population genetics of estuarine fishes and jellyfishes in southeastern Australia, (2) population ecology and genetics of marine lake taxa in Indonesia and Palau, and (3) molecular systematics of jellyfishes, and (4) dispersal and genetics of introduced species.
Jan–Dec 2001	Research Biologist, Curator, and Collector, CRRF, Palau. *Responsibilities:* (1) Manage independent project on population ecology of

marine lake jellyfish. (2) Curate invertebrate reference collection. (3) Collect invertebrate samples for pharmaceutical screening.

Sep–Dec 2000 Research Technician, University of California, Los Angeles, USA.
Responsibilities: Molecular analyses of coastal California fishes.

1995–1999 Graduate Research Assistant, UCLA, USA (2 years).
Responsibilities: Analyses of evolution of developmental genes and phylogeography of coastal California fishes.

1992 Junior Research Associate, University of Newcastle-Upon-Tyne, UK (3 months).
Responsibilities: Field and lab research on the ecology of lugworm, *Arenicola marina*.

Field Research Experience

2012–15, 17 Marine biodiversity research – Palau (2–8 weeks, annually)

2012–present Marine population dynamics –northern California, (1–3 weeks cumulative, annually).

2007–2011 Marine biodiversity research – Palau (2-4 weeks, annually), West Papua, Indonesia (2007, 4 weeks).

2002–2006 Marine invertebrate collections – American Samoa (3 weeks); Manus, Papua New Guinea (3 weeks); Berau, Indonesia (2 weeks); California, USA (3 weeks); Papua, Indonesia (1 week).

2001 Pilot "Deepworker 2000" submersible (10 dives; total dive time 24 hrs 32 mins; maximum depth 310 metres). Invertebrate collections, still and video photography.

1995–1998 Behavioral and morphological evolution of marine lake taxa. Population biology and trophic ecology of marine lake *Aurelia* sp. Palau. With L. E. Martin.

1993 Ambon '93 Research Expedition: Coastal pollution survey, Ambon, Molluccas, Eastern Indonesia. Feeding ecology of fiddler crabs, *Uca* spp., Ambon, Molluccas, Eastern Indonesia. Supervised by S.M. Evans.

PUBLICATIONS

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Web of Science: h-index = 32; number of citing articles (excluding self-citations) = 3,045

Google Scholar: h-index = 40 (all-time), 31 (since 2016); i-10 index = 59 (all-time), 53 (since 2016)

Journal Articles (71 total)

2021 Lin, M., A.L. Simons, R.J. Harrigan, E.E. Curd, F.D. Schneider, D.V. Ruiz-Ramos, Z. Gold, M.G. Osborne, S. Shirazi, T.M. Schweizer, T. Moore, E.A. Fox, R. Turba, A.E. Garcia-Vedrenne, S. Helman, K. Rutledge, M. Palacios Mejia, O. Marwyana, M.N. Munguia Ramos, R. Wetzer, D. Pentcheff, E.J. McTavish, M.N Dawson, B.

Shapiro, R.K. Wayne, & R.S. Meyer. Landscape analyses using eDNA metabarcoding and Earth observation predict community biodiversity in California. *Ecological Applications* https://doi.org/10.1002/eap.2379

2020 Swift, H.F. & M.N Dawson. Demographic, environmental, and phenotypic change but genetic consistency in the jellyfish *Mastigias papua*. *Biological Bulletin* 239:80–94. https://doi.org/10.1086/710663

2020 Blanchette, F., S. Montroy, S.W. Patris, & M.N Dawson. Marine lakes as biogeographical islands: a physical model for ecological dynamics in an insular marine lake, Palau. *Frontiers of Biogeography* 12:e47736. https://escholarship.org/uc/item/1sp6w5ns

2020 Ruiz-Ramos, D.V., L.M. Schiebelhut, K.J. Hoff, J.P. Wares, & M.N Dawson. Initial comparative genomic autopsy of wasting disease in sea stars. *Molecular Ecology* https://doi.org/10.1111/mec.15386

2019 Rapacciuolo, G., J.M. Beman, L.M. Schiebelhut, & M.N Dawson. Microbes and macro-invertebrates show parallel β-diversity but contrasting α-diversity patterns in a marine natural experiment. *Proceedings of the Royal Society B 286:*20190999 https://doi.org/10.1098/rspb.2019.0999.
Typographical correction https://royalsocietypublishing.org/doi/pdf/10.1098/rspb.2019.2583

2019 Djeghri, N., P. Pondaven, H. Stibor, & M.N Dawson. Review of the diversity, traits, and ecology of zooxanthellate jellyfishes. *Marine Biology* 166:147. https://doi.org/10.1007/s00227-019-3581-6

2019 Ma, K.Y., P.L. Colin, Y. Sadovy de Mitcheson & M.N Dawson. Phylogeography and conservation biogeography of the humphead wrasse, *Cheilinus undulatus*. *Frontiers of Biogeography* 11.2:e42697. https://doi.org/10.21425/F5FBG42697

2019 Gómez-Daglio, L. & M.N Dawson. Integrative taxonomy: ghosts of past, present, and future. *Journal of the Marine Biological Society of the UK 99:*1237-1246. DOI: https://doi.org/10.1017/S0025315419000201

2019 Patris, S., L.E. Martin, L.J. Bell & M.N Dawson. Expansion of an introduced sea anemone population and its associations with native species in a tropical marine lake (Jellyfish Lake, Palau). *Frontiers of Biogeography* 11:e41048. https://escholarship.org/uc/item/2fc601b4

2018 Schiebelhut, L.M. & M.N Dawson. Differences in life-history and dispersal potential correlate with differences in population differentiation in terrestrial and marine environments. *Journal of Biogeography* 45:2427–2441. https://onlinelibrary.wiley.com/doi/abs/10.1111/jbi.13437 "Editor's Choice"

2018 Schiebelhut, L.M., J.B. Puritz, & M.N Dawson. Decimation by sea star wasting disease and rapid genetic change in a keystone species, *Pisaster ochraceus*. *Proceedings of the National Academy of Sciences of the USA* 115:7069–7074. https://doi.org/10.1073/pnas.1800285115

2018 Rocha de Souza, M. & M.N Dawson. Redescription of *Mastigias papua* (Scyphozoa, Rhizostomeae) with designation of a neotype and recognition of two additional species. *Zootaxa* 4457:520–536. Correction 4457:600.

2018 Abboud, S.S., L. Gómez-Daglio, & M.N Dawson. A global estimate of genetic and geographic differentiation in macromedusae: implications for identifying the causes of jellyfish blooms. *Marine Ecology Progress Series* 591:199-216.

2017 Gómez-Daglio, L. & M.N Dawson. Species richness of jellyfishes (Scyphozoa: Discomedusae) in the tropical eastern Pacific: missed taxa, molecules, and morphology match in a biodiversity hotspot. *Invertebrate Systematics* 31:635-663.

2016 Dawson, M.N, J.C. Axmacher, C. Beierkuhnlein, J.L. Blois, B.A. Bradley, A.F. Cord, J. Dengler, K.S. He, L.R. Heaney, R. Jansson, M.D. Mahecha, C. Myers, D. Nogués-Bravo, A. Papadopoulou, B. Reu, F. Rodríguez-Sánchez, M.J. Steinbauer, A. Stigall, M.-N. Tuanmu & D.G. Gavin. A second horizon scan of biogeography: golden ages, Midas touches, and the Red Queen. *Frontiers of Biogeography* 8.4:1-30.

2016 Schiebelhut, L.M., S.S. Abboud, L. Gómez-Daglio, H.F. Swift, & M.N Dawson. A comparison of DNA extraction methods for high-throughput DNA analyses. *Molecular Ecology Resources* 17: 721–729. doi: 10.1111/1755-0998.12620

2016 Scorrano, S., G. Aglieri, F. Boero, M.N Dawson & S. Piraino. Unmasking *Aurelia* species in the Mediterranean Sea: an integrative morphometric and molecular approach. *Zoological Journal of the Linnean Society* doi: 10.1111/1462-2920.13416

2016 Meyerhof, M.S., K.M. Henry, J.M. Wilson, M.N Dawson & J.M. Beman. Microbial community diversity, structure, and assembly across oxygen gradients in meromictic marine lakes, Palau. *Environmental Microbiology* doi: 10.1111/1462-2920.13416

2016 Swift, H.F., L.E. Gómez Daglio, & M.N Dawson. Three routes to crypsis: stasis, convergence, and parallelism in the *Mastigias* species complex (Scyphozoa, Rhizostomeae). *Molecular Phylogenetics and Evolution* 99:103–115. doi:10.1016/j.ympev.2016.02.013

2016 Dawson, M.N. Islands and island-like marine environments. *Global Ecology & Biogeography* 25:831–846. doi: 10.1111/geb.12314

2015 Jurgens, L., L. Rogers-Bennett, P.T. Raimondi, L.M. Schiebelhut, M.N Dawson, R.K. Grosberg, & B. Gaylord. Patterns of mass mortality among rocky shore invertebrates across 100 km of northeastern Pacific coastline. *PLoS ONE* http://dx.plos.org/10.1371/journal.pone.0126280

2015 Dawson, M.N, K. Cieciel, M.B. Decker, G.C. Hays, C. Lucas, & K.A. Pitt. Population-level perspectives on global change: genetic and demographic analyses indicate various scales, timing, and causes of scyphozoan jellyfish blooms. *Biological Invasions* 17:851–867. doi:10.1007/s10530-014-0732-z

2014 Dawson, M.N, C.G. Hays, R.K. Grosberg, & P.T. Raimondi. Dispersal potential and population genetic structure in the marine intertidal of the eastern North Pacific. *Ecological Monographs* 84:435–456. http://dx.doi.org/10.1890/13-0871.1

2014 Dawson, M.N. Natural experiments and meta-analyses in comparative phylogeography. *Journal of Biogeography* 41:52–65. https://doi.org/10.1111/jbi.12190

2013 Dawson, M.N, A.C. Algar, A. Antonelli, L.M. Dávalos, E. Davis, R. Early, A. Guisan, R. Jansson, J.-P. Lessard, K.A. Marske, J.L. McGuire, A.L. Stigall, N.G. Swenson, N.E. Zimmermann, & D.G. Gavin. An horizon scan of biogeography. *Frontiers of Biogeography* 5:130–157.

2013 Lee, P.L.M., M.N Dawson, S.P. Neill, P.E. Robins, J.D.R. Houghton, T.K. Doyle, & G.C. Hays. Identification of genetically and oceanographically distinct blooms of jellyfish. *Journal of the Royal Society—Interface* 10. doi:10.1098/rsif.2012.0920

2012 Appeltans, W., & 120 other authors (M.N Dawson #29). The magnitude of global marine species diversity. *Current Biology* 22:2189–2202. doi: 10.1016/j.cub.2012.09.036

2012 Dawson, M.N. Species richness, habitable volume, and species densities in freshwater, the sea, and on land. *Frontiers of Biogeography* 4:105–116.

2012 Dawson, M.N. Parallel phylogeographic structure in ecologically similar sympatric sister taxa. *Molecular Ecology* 21:987–1004. https://doi.org/10.1111/j.1365-294X.2011.05417.x

2012 Condon, R.H., W.M. Graham, C.M. Duarte, K.A. Pitt, C.H. Lucas, S.H.D. Haddock, K.R. Sutherland, K.L. Robinson, M.N Dawson, M.B. Decker, C.E. Mills, J.E. Purcell, A. Malej, H. Mianzan, S.-I. Uye, & S. Gelcich. Questioning the rise of gelatinous zooplankton in the world's oceans. *Bioscience* 62:160–169.

2011 Dawson, M.N, P.H. Barber, L.I. González-Guzmán, R.J. Toonen, J.E. Dugan, & R.K. Grosberg. Phylogeography of *Emerita analoga* (Crustacea, Decapoda, Hippidae), an eastern Pacific Ocean sand crab with long-lived pelagic larvae. *Journal of Biogeography* 38:1600–1612. doi: 10.1111/j.1365-2699.2011.02499.x

2011 Smittenberg, R.H., C. Saenger, M.N Dawson, & J.P. Sachs. Compound-specific D/H ratios of the marine lakes of Palau as proxies for West Pacific Warm Pool hydrologic variability. *Quaternary Science Reviews* 30:921–933.

2010 Bayha, K.M., & M.N Dawson. A new family of allomorphic jellyfish, Drymonematidae (Scyphozoa, Discomedusae), emphasizes evolution in the functional morphology and trophic ecology of gelatinous zooplankton. *Biological Bulletin* 219:249–267.

2010 Bayha, K.M., M.N Dawson, A.G. Collins, M.S. Barbeitos, & S.H.D. Haddock. Evolutionary relationships among scyphozoan jellyfish families based on complete taxon sampling and phylogenetic analyses of 18S and 28S ribosomal DNA. *Integrative & Comparative Biology* 50:436–455. doi: 10.1093/icb/icq074

2010 Dawson, M.N, R.K. Grosberg, E. Sanford, & Y.E. Stuart. Population genetic analysis of a recent range expansion: mechanisms regulating the poleward range

limit in the volcano barnacle *Tetraclita rubescens*. *Molecular Ecology* 19:1585–1605.

2009 Dawson, M.N. Trans-realm biogeography: an immergent interface. *Frontiers of Biogeography* 1:62–70.

2009 Häussermann, V., M.N Dawson & G. Försterra. First record of the moon jellyfish, *Aurelia*, for Chile. *Spixiana* 32:3–7.

2009 Dawson, M.N & W.M. Hamner. A character-based analysis of the evolution of jellyfish blooms: adaptation and exaptation. *Hydrobiologia* 616:193–215. doi: 10.1007/s10750-008-9591-x

2009 Hamner, W.M., & M.N Dawson. A review and synthesis on the systematics and evolution of jellyfish blooms: advantageous aggregations and adaptive assemblages. *Hydrobiologia* 616:161–191. doi: 10.1007/s10750-008-9620-9

2008 Riddle, B.R., M.N Dawson, E.A. Hadly, D.J. Hafner, M.J. Hickerson, S.J. Mantooth, & A.D. Yoder. The role of molecular genetics in sculpting the future of integrative biogeography. *Progress in Physical Geography* 32:173–202.

2008 Carlson, B.A., J.E. Randall, & M.N Dawson. A New Species of *Epibulus* (Perciformes: Labridae) from the West Pacific. *Copeia* 2008:476–483.

2008 Daryanabard, R., & M.N Dawson. Jellyfish blooms: *Crambionella orsini* (Scyphozoa, Rhizostomeae) in the Gulf of Oman, Iran, 2002-2003. *Journal of the Marine Biological Association of the UK* 88:477–483.

2008 Dawson, M.N., & W.M. Hamner. A biophysical perspective on dispersal and the geography of evolution in marine and terrestrial systems. *Journal of the Royal Society, Interface* 5:135–150.

2007 Daly, M., M.R. Brugler, P. Cartwright, A.G. Collins, M.N Dawson, D.G. Fautin, S.C. France, C.S. McFadden, D.M. Opresko, E. Rodriquez, S. Romano, & J. Stake. The phylum Cnidaria: A review of phylogenetic patterns and diversity 300 years after Linneaeus. *Zootaxa* 1668:127–182.

2007 Sax, D.F., J.J. Stachowicz, J.H. Brown, J.F. Bruno, M.N Dawson, S.D. Gaines, R.K. Grosberg, A. Hastings, R.D. Holt, M.M. Mayfield, M.I. O'Connor, & W.R. Rice. Ecological and evolutionary insights from species invasions. *Trends in Ecology and Evolution* 22:465–471.

2006 Martin, L.E., M.N Dawson, L.J. Bell, & P.L. Colin. Marine lake ecosystem dynamics illustrate ENSO variation in the tropical western Pacific. *Biology Letters* 2:144–147.

2005 Dawson, M.N. *Cyanea capillata* is not a cosmopolitan jellyfish: morphological and molecular evidence for *C. annaskala* and *C. rosea* (Scyphozoa, Semaeostomeae, Cyaneidae) in southeast Australia. *Invertebrate Systematics* 19:361–370.

2005 Dawson, M.N, A.S. Gupta, & M.H. England. Coupled biophysical global ocean model and molecular genetic analyses identify multiple introductions of cryptogenic

species. *Proceedings of the National Academy of Sciences of the USA* 102:11968–11973.

2005 Dawson, M.N, & W.M. Hamner. Rapid evolutionary radiation of marine zooplankton in peripheral environments. *Proceedings of the National Academy of Sciences of the USA* 102:9235–9240.

2005 Dawson, M.N. Five new subspecies of *Mastigias* (Scyphozoa, Rhizostomeae, Mastigiidae) from marine lakes, Palau, Micronesia. *Journal of the Marine Biological Association of the UK* 85:679–694.

2005 Dawson, M.N. Renaissance taxonomy: integrative evolutionary analyses in the classification of Scyphozoa. *Journal of the Marine Biological Association of the UK* 85:733–739.

2005 Dawson, M.N. Morphologic and molecular redescription of *Catostylus mosaicus conservativus* (Scyphozoa, Rhizostomeae, Catostylidae) from southeast Australia. *Journal of the Marine Biological Association of the UK* 85:723–732.

2005 Dawson, M.N. Morphological variation and taxonomy in the Scyphozoa: *Mastigias* (Rhizostomeae, Mastigiidae) - a golden unstandard? *Hydrobiologia* 537:185–206.

2005 Dawson, M.N. Incipient speciation of *Catostylus mosaicus* (Scyphozoa, Rhizostomeae, Catostylidae), comparative phylogeography and biogeography in southeastern Australia. *Journal of Biogeography* 32:515–533.

2004 Ahnelt, H., J. Göschl, M.N Dawson, & D.K. Jacobs. Geographical variation in the cephalic lateral line canals of *Eucyclogobius newberryi* (Teleostei, Gobiidae) and its comparison with molecular phylogeography. *Folia Zoologica* 53:385–398.

2004 Dawson, M.N. Some implications of molecular phylogenetics for understanding biodiversity in jellyfishes, with an emphasis on Scyphozoa. *Hydrobiologia* 530/531:249–260.

2004 Holland, B.S., M.N Dawson, G.L. Crow, & D.K. Hofmann. Global phylogeography of *Cassiopea* (Scyphozoa: Rhizostomae): Molecular evidence for cryptic species and multiple Hawaiian invasions. *Marine Biology* 145:1119–1128.

2003 Dawson, M.N. Macro-morphological variation among cryptic species of the moon jellyfish, *Aurelia* (Cnidaria: Scyphozoa). *Marine Biology* 143:369–379. Erratum: *Marine Biology* 144:203.

2003 Dawson, M.N, & W.M. Hamner. Geographic variation and behavioral evolution in marine plankton: the case of *Mastigias* (Scyphozoa: Rhizostomeae). *Marine Biology* 143:1161–1174.

2002 Dawson, M.N, K.D. Louie, M. Barlow, D.K. Jacobs, & C.C. Swift. Comparative phylogeography of sympatric sister species, *Clevelandia ios* and *Eucyclogobius newberryi* (Teleostei, Gobiidae), across the California Transition Zone. *Molecular Ecology* 11:1065–1075. https://doi.org/10.1046/j.1365-294X.2002.01503.x

2001 Dawson, M.N. Phylogeography in coastal marine animals: a solution from California? *Journal of Biogeogr*aphy 28:723–736.

2001 Dawson, M.N, & D.K. Jacobs. Molecular evidence for cryptic species of *Aurelia aurita* (Cnidaria, Scyphozoa). *Biological Bulletin* 200:92–96.

2001 Dawson, M.N, & L.E. Martin. Geographic variation and ecological adaptation in *Aurelia* (Scyphozoa: Semaeostomeae): some implications from molecular phylogenetics. *Hydrobiologia/Dev. Hydrobiologia* 451:259–273.

2001 Dawson, M.N, L.E. Martin, & L.K. Penland. Jellyfish swarms, tourists, and the Christ-child. *Hydrobiologia/Dev. Hydrobiologia* 451:131–144.

2001 Dawson, M.N, J.L. Staton, & D.K. Jacobs. Phylogeography of the tidewater goby, *Eucyclogobius newberryi* (Teleostei, Gobiidae), in coastal California. *Evolution* 55:1167–1179.

2000 Dawson, M.N. Variegated mesocosms as alternatives to shore-based planktonkreisels: notes on the husbandry of jellyfish from marine lakes. *Journal of Plankton Research* 22:1673–1682.

1998 Dawson, M.N, K.A. Raskoff, & D.K. Jacobs. Preservation of marine invertebrate tissues for DNA analyses. *Molecular Marine Biology and Biotechnology* 7:145–152.

1998 Retraubun, A.S.W., M. Dawson, & S.M. Evans. The impact of fiddler crabs on sediments of mangrove shores. *Cakalele* 9:17–23.

1996 Retraubun, A.S.W., M. Dawson, & S.M. Evans. The role of the burrow funnel in feeding processes in the lugworm *Arenicola marina* (L.). *Journal of Experimental and Marine Biology and Ecology* 202:107–118.

1996 Retraubun, A.S.W., M. Dawson, & S.M. Evans. Spatial and temporal factors affecting sediment turnover by the lugworm *Arenicola marina* (L.). *Journal of Experimental and Marine Biology and Ecology* 201:23–35.

1995 Evans, S.M., M. Dawson, J. Day, C.L.J. Frid, M.E. Gill, L.A. Pattisina, & J. Porter. Domestic waste and TBT pollution in coastal areas of Ambon Island (Eastern Indonesia). *Marine Pollution Bulletin* 30:109–115.

Book Chapters (9 total)

2016 Dawson, M.N, A.C. Algar, L.R. Heaney, & Y.E. Stuart. *The evolutionary biogeography of islands, lakes, and mountaintops*. Pp. 203–210 *in* The Encyclopedia of Evolutionary Biology v.I (R.M. Kliman, ed). Academic Press, Oxford.

2014 Lucas, C.H., & Dawson, M.N. *What are jellyfishes and thaliaceans and why do they bloom?* Pp. 9–44 *in* Jellyfish Blooms (K.A. Pitt & C.H. Lucas, eds.). Springer, Berlin.

2010a Dawson, M.N. *Semaeostomeae*. In McGraw-Hill Encyclopedia of Science and Technology 11th Edn, and online AccessScience@mcGraw-Hill, http://www.accessscience.com.

2010b Dawson, M.N. *Rhizostomeae*. In McGraw-Hill Encyclopedia of Science and Technology 11th Edn, and online AccessScience@mcGraw-Hill, http://www.accessscience.com.

2009 Dawson, M.N, & K.A. Pitt. *Jellyfish*. Pp. 205–212 *in* Temperate plankton – a guide to their ecology and monitoring for water quality (I.M. Suthers & D. Rissik, eds). CSIRO Publishing, Collingwood.

2009 Dawson, M.N, L.E. Martin, L.J. Bell & S. Patris. *Marine Lakes*. Pp. 603–607 *in* Encyclopedia of Islands (R. Gillespie & D.A. Clague, eds.). University of California Press, Berkeley.

2008 Dawson, M.N. *Scyphozoa*. In McGraw-Hill Encyclopedia of Science and Technology 10th Edn, and online AccessScience@mcGraw-Hill, http://www.accessscience.com.

2006 Dawson M.N, R.S. Waples, & G. Bernardi. *Phylogeography*. Pp. 26–54 *in* Ecology of California Marine Fishes (L.G. Allen, M.H. Horn, & D.J. Pondella II, eds). University of California Press, Berkeley.

1998 Jacobs, D.K., S.E. Lee, M.N Dawson, J.L. Staton, & K.A. Raskoff. *The history of development through the evolution of molecules: gene trees, hearts, eyes, and dorsoventral inversion*. Pp. 323–357 *in* Molecular Approaches to Ecology and Evolution (R. DeSalle & B. Schierwater, eds.). Birkhäuser Verlag, Basel.

Book Reviews (3 total)

2021 Dawson, M.N, B.J. Carlson, S.R. Fellows, R.P. Hall, B.E. Salazar & C.M. Shaver. How the fraying fabric was woven: a pocket guide to the changing world. *Frontiers of Biogeography* https://doi.org/10.21425/F5FBG52710

2009 Dawson, M.N. Science chic. *Frontiers of Biogeography* 1:14–16.

2008 Cain, C.J., D.A. Conte, M.E. García-Ojeda, L. Gómez Daglio, L. Johnson, E.H. Lau, J.O. Manilay, J. Baker Phillips, N.S. Rogers, S.E. Stolberg, H.F. Swift, and M.N Dawson. What systems biology is (not, yet). *Science* 320:1013–1014.

Correspondence & Commentaries (5 total)

2014 Dawson, M.N. Biogeography and complex traits: dispersal syndromes, in the sea. *Frontiers of Biogeography* 6:11–15. https://escholarship.org/uc/item/73p8r9kr

2014 Dawson, M.N. What do we think the relationship is between dispersal potential and population genetic structure? *Frontiers of Biogeography* 6:53.

2012 Dawson, M.N, & J. Hortal. A cure for seeing double? Convergence and unification in biogeography and ecology. *Frontiers of Biogeography* 4:3–6.

2011 Dawson, M.N. Marine Biogeography. *Frontiers of Biogeography* 3:13.

2006 Dawson, M.N, R.K. Grosberg, & L.W. Botsford. Connectivity in marine protected areas. *Science* 313:43–44.

Editorials (15 total)

2021 Meynard, C.N., G. Bernardi, C. Fraser, J. Masters, C. Riginos, I. Sanmartin, K.A. Tolley, & M.N Dawson. Women in Biogeography. *Journal of Biogeography* 48 *https://doi.org/10.1111/jbi.14223*

2021 Dawson, M.N. Thank you peer reviewers for your invaluable contributions. *Journal of Biogeography* 48:477-478. https://doi.org/10.1111/jbi.14079

2020 Dawson, M.N. Acknowledging peer reviewers' invaluable contributions. *Journal of Biogeography* 47.1. https://doi.org/10.1111/jbi.13814

2019 Hortal, J., C. Meyer, D. Bourguet, & M.N Dawson. Slow publishing in the age of 'fast food'. *Frontiers of Biogeography* 11.2, e42697. doi:10.21425/F5FBG42697

2018 McGill, B., M.B. Araújo, J. Franklin, H.P. Linder & M.N Dawson. Writing the future of Biogeography. *Frontiers of Biogeography* 10:e41964. https://doi.org/10.21425/F5FBG41964

2018 Whittaker, R.J., J. Hortal, D.F. Sax, D.J. Currie, D.M. Richardson, A.L. Stigall, M.N Dawson. Frontiers of Biogeography: taking its place as a journal of choice for the publication of high quality biogeographical research articles. *Frontiers of Biogeography* 10:e40499. https://doi.org/10.21425/F5101-240499

2017 Dawson, M.N., A.L. Stigall & J. Hortal. How the landscape of publishing is changing biogeography. *Frontiers of Biogeography* 9.2:e35718. doi:10.21425/F59235718

2017 Dawson, M.N., R. Field, J. Hortal, & A.L. Stigall. Introduction, establishment, invasion, accommodation: innovation and disruption in biogeographic publishing. *Frontiers of Biogeography* 9.1:e34426. doi:10.21425/F59134426

2015 Dawson, M.N. Seven up! Frontiers of Biogeography. 2015. *Frontiers of Biogeography* 7:1–2.

2014 Dawson, M.N. R. Field, & J. Hortal. Guides, not gatekeepers. *Frontiers of Biogeography* 6:108–110.

2012 Field, R., J. Hortal & M.N Dawson. Research letters at the frontiers of biogeography. *Frontiers of Biogeography* 4:89–90.

2014 Dawson, M.N. R. Field, & J. Hortal. Introducing research articles. *Frontiers of Biogeography* 6:107.

2012 Dawson, M.N, R. Field, & J. Hortal. Advancing Frontiers, with a prospective. *Frontiers of Biogeography* 4:1–2.

2011 Dawson, M.N, R. Field, & J. Hortal. Advancing Frontiers, with a retrospective. *Frontiers of Biogeography* 3:1.

2009 Hortal, J., & M.N Dawson. Frontiers of Biogeography, a new frontier for the IBS. *Frontiers of Biogeography* 1:1.

Technical Reports & Information Booklets (5 total)

2017 Bell, L.J., G. Ucharm, S.W. Patris, S.D. Cruz, M.P.S. Roig & M.N Dawson. Is the endemic golden jelly in Jellyfish Lake, Palau, threatened by sunscreen? Coral Reef Research Foundation, 26 pp. See also http://whc.unesco.org/en/intassistance/2732/

2011 Patris, S.W., M.N Dawson, L.J. Bell, L.E. Martin, P.L. Colin, & G. Ucharm, with additional design & images by M. Etpison. *Ongeim'l Tketau*. Coral Reef Research Foundation, 44 pp.

2010 Patris, S.W., M.N Dawson, L.J. Bell, L.E. Martin, & P.L. Colin. *Jellyfish Lake*. Coral Reef Research Foundation, 16 pp.

2004 Dawson, M.N. *Cnidaria: Scyphozoa (jellyfishes)*. Pp.10–13 *in* NORFANZ voyage progress report 1. Biodiversity survey of seamounts and slopes of the Norfolk Ridge and Lord Howe Rise (A. Williams & K. Gowlett-Holmes, eds.). CSIRO Marine Research.

2002 Martin, L.E., L.J. Bell, & M.N Dawson. Marine lake monitoring project: biological and physical properties of three marine lakes in Palau 2001. CRRF Technical Report No. 2. Pp. 12. Coral Reef Research Foundation, Koror, Palau. www.CoralReefResearchFoundation.org

Popular articles (3 total)

2006 Dawson, M.N. Island evolution in marine lakes. *JMBA Global Marine Environments* 3:10–13.

2005 Dawson, M.N. Iconography and jellyfish evolution. *JMBA Global Marine Environments* 2:34.

2003 Martin, L.E., & M.N Dawson. Jellyfish Lake. *Sport Diving* 100:88.

Submitted (2)

Schiebelhut, L.M.*, M. Giakoumis*, R. Castilho, P.J. Duffin, V.E. Garcia, J.B. Puritz, J.P. Wares, G.M. Wessel, & M.N Dawson (in review) It's in the stars: establishing a phylogenetic framework for contrasting species traits and impacts of sea star wasting disease. *Biological Bulletin*.

Dawson, M.N, P. Duffin, M. Giakoumis, L.M. Schiebelhut, R. Beas-Luna, K.L. Bosley, R. Castilho, C.Ewers-Saucedo, K.A. Gavenus, A. Keller, B. Konar, J.L. Largier, J. Lorda, C.M. Miner, M.M. Moritsch, S.A. Navarrete, P.T. Raimondi, S.B.

Traiger, M. Turner, & J.P. Wares (in review) Almost a decade of death … and other dynamics: deepening perspectives on the diversity and distribution of sea stars and wasting. *Biological Bulletin*.

Internet resources

2020-present *The Journal of Biogeography Blog*: A resource for highlighting and promoting early career researchers, highlighted articles, and enhancing good publishing and writing practices to increase author success and reduce the burden on reviewers and editors. https://journalofbiogeographynews.org

2018-2019 University of California Television (UCTV) Sustainable California - *Videos*:
Sea Star Wasting Disease Update: 2017. https://www.uctv.tv/shows/Sea-Star-Wasting-Disease-Update-2017-33101
Sustainable Energy: the Hydrogen Economy. https://www.uctv.tv/sustainable-cal/search-details.aspx?showID=33837
Managing Private Lands for Public Benefit. https://www.uctv.tv/sustainable-cal/search-details.aspx?showID=33986
Bioeconomics of Sustainable Fisheries. https://www.uctv.tv/sustainable-cal/search-details.aspx?showID=33987
Adaptable Societies. https://www.uctv.tv/sustainable-cal/search-details.aspx?showID=35098

2010-present *The Scyphozoan* wiki*: an internet resource dedicated to integrating and disseminating information describing the scyphozoan jellyfishes. For use by non-specialists and specialists alike—including aquarists, coastal managers, educators, fisheries biologists, students, the general public, and researchers. http://scyphozoan.ucmercedlibrary.info/wiki/Main_Page

2007-2010 *The Scyphozoan*: 6th edition of an internet resource dedicated to integrating and disseminating information describing the scyphozoan jellyfishes. For use by non-specialists and specialists alike—including aquarists, coastal managers, educators, fisheries biologists, students, the general public, and researchers. thescyphozoan.ucmerced.edu

2006-present *Marine lakes: experiments in ecology and evolution*. Devoted to synthesizing and presenting scientific data describing marine lakes for public education. marinelakes.ucmerced.edu

2003-present Home page, including abbreviated CV, abstracts of published papers, and research interests. mnd.ucmerced.edu

2002 Coral Reef Research Foundation home-page, including components on coral bleaching, marine lakes, reef fishes, species diversity, and underwater technology. www.CoralReefResearchFoundation.org/

AWARDS AND FELLOWSHIPS

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2020 Best Practice Award in Interdisciplinary Academics for "Carson House Sustainable Futures: A Student Community Learning, Living Sustainability." California Higher

	Education Sustainability (virtual) Conference, 09 July 2020. w/ Kinsey Brock, José Martinez, Rebecca Ryals, & the School of Natural Sciences.
2017–2018	Fellowship, Center for Engaged Teaching & Learning, "Introduction to Marine Science", University of California, Merced.
2015–2016	Faculty Climate Action Champion Award, University of California, Merced.
2009	Fellowship, Centre for Research on Teaching Excellence, University of California, Merced (Spring semester).
2006	Sherman Eureka Prize for Environmental Research. Awarded for research in any field of the biological, physical, mathematical or biomedical sciences leading to the resolution of an environmental problem or the improvement of our natural environment. Awarded by the Australia Museum Eureka Prizes. Joint recipient with M.E. England and A.S. Gupta.
2001–2004	Vice-Chancellor's Post-Doctoral Research Fellowship, University of New South Wales, Australia.
2001	Scherbaum Award, for outstanding research in the Department of Organismic Biology, Ecology, and Evolution (OBEE), University of California, Los Angeles (UCLA), USA.
2000	Thomas James Memorial Award, for dissertation research, OBEE, UCLA, USA.
1999–2000	May & Ward Scholarship, British Schools and Universities Foundation, London & New York.
1999–2000	Dissertation Year Fellowship, UCLA, USA.
1999–2000	Hortense Fishbaugh Memorial Fellowship, Affiliates UCLA, USA.
1999–2000	Adopt-a-Scholar Award, Affiliates UCLA (Dr. & Mrs. Nefkens), USA.
1998	Departmental Fellowship, OBEE, UCLA, USA.
1994–2000	Non-Resident Tuition Fellowship, Biology/OBEE, UCLA, USA.
1994–1996	Fellowship, Center for the Study of Evolution and the Origins of Life, UCLA, USA.
1994	Biosis UK Prize, for best Biological Computation M.Sc. project, University of York, UK.
1993–1994	Fellowship, Masters course in Biological Computation, Science and Engineering Research Council, UK.
1993	Longbottom Prize, for most outstanding B.Sc. research project, Marine Biology program, University of Newcastle-Upon-Tyne, UK.

RESEARCH GRANTS

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2021–2022 National Science Foundation – Division of Environmental Biology: Systematics and Biodiversity Science "*RAPID: Discovering Global Diversity in Pelagic Symbioses (Vessels of Opportunity).*" PI: M.N Dawson, DEB-2132455: $155,447.

2020–2022 California Conservation Genomics Program "*Comparative biogeography of California kelp and their major consumer.*" PI: Rachael Bay (UCD). Co-PI: M.N Dawson. $99,965 ($81,000 to UCM).

2020–2022 California Conservation Genomics Program "*The Marine Networks (MariNet) Consortium.*" PI: M.N Dawson. Co-PI: Rachael Bay (UCD). $498,344.

2020–2021 Revive & Restore – Catalyst Program "*Understanding the Sunflower Sea Star's Genomic Risk, and Potential for Genetic Rescue, from Sea Star Wasting Disease: Applying Genomic Resources to Improve Captive Breeding and Ecosystem Restoration.*" PI: M.N Dawson. Co-PI, Lauren M. Schiebelhut. $181,000.

2019–2022 National Science Foundation – Infrastructure Innovation for Biology Research "*IIBR RoL: Collaborative Research: A Rules Of Life Engine (RoLE) Model to Uncover Fundamental Processes Governing Biodiversity.*" PI: A. Rominger (Santa Fe Institute) DBI-1927319: $398,109. PI/Co-PI: M.N Dawson DBI-1927520: $106,178; R. Guralnick (UF) DBI-1927286: $340,212. R. Gillespie (UCB) DBI-1927510: $112,937; M. Hickerson (CUNY) DBI-1926928: $338,371.

2019 Cross-Scale Biodiversity Research Collaboration Network, "*Meeting in the middle: biodiversity surveys bottom-up and top-down.*" PI: M.N Dawson. $1,500.

2017–2020 National Science Foundation – Biological Oceanography, "*Collaborative Research: Selection and genetic succession in the intertidal – population genomics of Pisaster ochraceus during a wasting disease outbreak and its aftermath.*" PI: M.N Dawson; OCE-1737381: $699,480. PI/co-PI Cornell, I.A. Hewson; OCE-1737127: $173,863. PI/co-PI UC Santa Cruz, P.T. Raimondi; OCE-1737372: $192,089. PI/co-PI U. Georgia, Athens, J.P. Wares; OCE-1737091: $184,233.

2017–2020 National Science Foundation – Integrative Organismal Systems: Integrative Ecological Physiology, "*RAPID: Ecological Reversal of Evolutionary Trends During a Climate Anomaly: Plasticity, Adaptation, and Integration of Environmental Change into Genomic and Organismal Architectures.*" PI: M.N Dawson, Co-PIs: J.M. Beman, P.L. Colin, H Stibor. IOS-1747821: $199,993.

2017–2018 UC Merced Research Council, "*Developing phylogenomic methods to resolve the jellyfish tree of life.*" PI: M.N Dawson; co-PI: E.J. McTavish. $9,579.

2016–2018 UC President's Research Catalyst Award, "*Preservation of biodiversity through conservation genomics.*" PI: R.K. Wayne (UCLA); co-PIs: R. Nielsen (UCB), J. Wall (UCSF), B. Shapiro (UCSC), M.N Dawson (UCM). $1,762,000 ($222,498 to UC Merced).

2014 UC Merced Health Sciences Research Institute, "*Developing autonomous airborne pathogen collection and identification capability for mapping Valley*

Fever risk in the San Joaquin Valley." PI: M.N Dawson. co-PIs: J.M. Beman, Y. Chen. $8,000.

2013–2015 UC MEXUS-CONACYT Collaborative Research Grant, "*Molecular taxonomy and population genetics of a cryptic species targeted by fisheries: the edible cannonball jellyfish (Stomolophidae).*" PI/co-PIs: L. Goméz Daglio, F. Garcia de Leon, M.N Dawson. $24,000.

2013–2019 National Science Foundation – Dimensions of Biodiversity, "*DIMENSIONS: Collaborative Research: Do parallel patterns arise from parallel processes.*" PI: M.N Dawson, co-PI M. Beman; OCE-1241255: $1,369,982. PI/co-PI U. Washington, J.P. Sachs; OCE-1241247: $540,001. One-year no-cost extension.

2012–2013 California Sea Grant College Program, "*Recruitment patterns following a massive invertebrate die-off along the central coast of California.*" #R/ENV-223PD. PIs: M.N Dawson, R.K. Grosberg, B.P. Gaylord. $9,991.

2012–2015 David & Lucile Packard Foundation, "*Consolidating capacity for continuing science- and ecosystem-based conservation of marine lakes in Palau and West Papua.*" #2012-38207. PIs: M.N Dawson, P.L. Colin. $200,000.

2012–2013 Marisla Foundation, "*Is endemic marine biodiversity in Palau threatened by sunblock and disease?*" PI: M.N Dawson; #2-12-099. $10,000.

2012–2013 National Science Foundation – Biological Oceanography, "*RAPID: Collaborative Research: Ecological and genetic recovery from a massive invertebrate die-off along the central coast of California.*" PI: M.N Dawson; OCE-1243970: $76,969. PI/co-PI UC Davis, R.K. Grosberg, B.P. Gaylord; OCE-1243958: $122,691. No-cost extensions 2014 & 2015.

2012–2013 UC Merced Graduate & Research Council, "*Developing nuclear markers for multi-species 'community genetics' of California's marine intertidal.*" PI: M.N Dawson. $5,000.

2012 Critical Ecosystem Partnership Fund, "*Tourist-introduced threats in marine lakes: assessing the effect of sunblock on jellyfish health to inform sustainable management?*" PI: M.N Dawson. $8,000.

2011–2012 UC Merced Graduate & Research Council, "*The role of long-distance dispersal via kelp rafting in establishing patterns of marine population genetics.*" PI: M.N Dawson. $4,621.

2010–2011 UC Merced Graduate & Research Council, "*Diversity and activity of microbial life in 'miniature seas': marine lakes of Palau as analogs for the present and future oceans.*" PIs: M.J. Beman & M.N Dawson. $8,438.

2009–2012 David & Lucile Packard Foundation, "*Applying research strategies developed in Palau to foster sustainable management of marine lake ecosystems in Raja Ampat, Indonesia: pilot skills exchange program for site-based conservation across the Western Pacific.*" #2009-34153. PIs: M.N Dawson, P.L. Colin. $196,000.

2009–2010 UC Merced Graduate & Research Council, "*Evolution of development during speciation: searching for mechanisms of morphological change during rapid radiation of Mastigias medusae, Palau.*" PI: M.N Dawson. $3,394.

2009–2010 Critical Ecosystem Partnership Fund, "*Documenting an existing invasion to prevent future introductions of non-indigenous species in the island-like marine lakes.*" PI: M.N Dawson. $17,653.

2008–2010 National Science Foundation – Biological Oceanography, "*SGER: Biomixing - a controversial mechanism influencing dynamics of marine ecosystems.*" PI: M.N Dawson; co-PI J.O. Dabiri. OCE-0849308. $75,373. http://www.nsf.gov/discoveries/disc_images.jsp?cntn_id=114748&org=NSF

2008 UC Merced Graduate & Research Council, "*Biological mixing: an under-appreciated mechanism influencing physical, chemical, and biological dynamics in some marine ecosystems?*" PI: M.N Dawson. $5,000.

2007–2010 National Science Foundation – Systematic Biology, "*REVSYS: Renaissance taxonomy of semaeostome scyphomedusae – a systematic foundation for understanding jellyfish blooms & invasive species.*" PI: M.N Dawson; co-PI A.G. Collins. DEB-0717078. $349,232.

2007–2010 University of California Marine Council – Coastal Environmental Quality Initiative, "*Community genetics and marine protected areas of the California and Baja California mainland and island array.*" PI: M.N Dawson; co-PIs R.K. Grosberg, D.M. Kaplan, B. Gaylord, J.L. Largier, P.T. Raimondi, C.G. Hays, D. Richards. $399,843.

2007 UC Merced Graduate & Research Council, "*Ecological assembly and evolutionary diversification in marine islands.*" PI: M.N Dawson. $5,000.

2006–2008 David & Lucile Packard Foundation, "*Scientific infrastructure development and training to support Koror State's management plan for the Rock Islands-Southern Lagoon Area of the Republic of Palau.*" PIs: M.N Dawson, P.L. Colin. $199,976.

2005 National Science Foundation – Assembling the Tree of Life, "*Cnidaria.*" PIs: P. Cartwright, N. Blackstone, A. Collins, C. Cunningham, M. Daly, et al. Consultant for Scyphozoa: M.N Dawson. $25,000.

2005 Darwin Initiative, pre-project funding "*Conserving biodiversity of jellyfish marine lakes, Palau.*" PIs: A.S. Brierley, W. Sanderson. Foreign collaborator: M.N Dawson. £2,988.

2004 Committee for Research and Exploration, National Geographic Society "*Biodiversity monitoring of endangered marine lake ecosystems in the Sulawesi Sea.*" PI: M.N Dawson. Co-PIs: T. Tomascik, C. Ismuranti, Y. Tuti, B. Hoeksema. $30,000.

2003–2004 Sea World Research and Rescue Foundation, Australia "*Population structure in estuarine fishes and its implications for biodiversity conservation and marine protected areas.*" PI: M.N Dawson. Co-PI: B.M. Gillanders. AU$38,000.

2002–2003 National Fish and Wildlife Foundation, "*Conservation biology of the humphead wrasse, Cheilinus undulatus: a coral reef fish at risk.*" PI: P.L. Colin. Co-PIs: M.N Dawson, S. Oakley, A. Manica. $41,610.

2001–2004 Japanese Society for Promoting Science, "*Molecular phylogeny and evolution of marine lake organisms by vicariance.*" PIs: Y. Hara, N. Hanzawa, R. Jordan, (Yamagata University). Foreign collaborator: M.N Dawson.

2001 Alexander and Baldwin Foundation, "*Marine lake and coral reef monitoring program, Palau*." Co-PIs: M.N Dawson, L.E. Martin, L.J. Bell, P.L. Colin. $1000.

1999–2000 PADI Foundation, "*Phylogeography and conservation genetics of the federally endangered tidewater goby.*" $7,131.

1999 California SeaGrant, "*Monitoring project for Ongeim'l Tketau (Jellyfish Lake), Palau*." Co-PIs: M.N Dawson, L.E. Martin, W.M. Hamner. $7,711.

1999 PADI Foundation, "*Perturbation of a biotically and socio-economically valuable ecosystem: implications for conservation and management of Jellyfish Lake, Palau.*" Co-PIs: M.N Dawson, L.E. Martin. $2,200.

1999 Institute of the Environment, UCLA, "*Phylogeography and conservation genetics of the federally endangered tidewater goby*." $2,500.

1997–1998 International Women's Fishing Association, Scholarship Trust, "*Molecular phylogenetics of marine lake invertebrates*." $1,000.

1997 American Museum of Natural History, Lerner-Gray Award, "*Comparative molecular and morphological phylogenetics and behavior of marine lake Scyphozoa*." $1,200.

1997–1999 Departmental Award for Graduate Research, UCLA, "*Comparative molecular phylogenetics of marine lake taxa*." $3,000.

1996 & 1999 Obst Award for Field Research, UCLA, "*Comparative molecular and morphological phylogenetics and behavior of marine lake Scyphozoa*." $1,350.

1996 Academic Senate preparatory study grant, UCLA*, "Molecular and morphological systematics of* Aurelia*.*" With L.E. Martin, K.A. Raskoff, and W.M. Hamner. $1,800.

1995 Academic Senate preparatory study grant, UCLA, "*Preservation of marine invertebrate tissues for DNA analyses*." With K.A. Raskoff and D.K. Jacobs. $2,800.

Other Funding

2020-2023 Moore Foundation / Wellcome Sanger Institute: Aquatic Symbiosis Genomics Hub "Symbioses in 3D: Diversity and dynamics in pelagic symbioses across the tree of life." PI: M.N Dawson. Co-PIs: Anne Thompson (Portland State University), Kelly Sutherland (U. Oregon), Aki Ohdera (CalTech). Up to 100 annotated reference genomes for 50 symbioses, training, $15k.

2020 California Earth Biogenome Project "Pacific blood star: *Henricia leviuscula*." PI: M.N Dawson. One annotated reference genome.

2019 Graduate Division, UC Merced "Sustainability and Social Justice: An Interdisciplinary Graduate Learning Community." PI: C. Koehler. Co-PIs: A. Zanzucchi, M.N Dawson. $3,000.

2017–2018 Center for Engaged Teaching & Learning, Merced Hybrid Online Award (MOHA), "Sustainability in the Anthropocene", University of California, Merced. $100,000

2016 UCSC/National Park Service. "*Genomic analysis of selection in* Pisaster ochraceus *associated with seastar wasting disease*" Subaward to UC Merced. PI: M.N Dawson; $12,000.

2016 National Science Foundation – Dimensions of Biodiversity, "*DIMENSIONS: Collaborative Research: Do parallel patterns arise from parallel processes.*" PI: M.N Dawson; DEB-1623851/EAR-1623851: $3,600 supplemental funds.

2015 UNESCO. "*Analysis of sunblock chemicals in jellyfish lakes, Palau.*" Contract to Coral Reef Research Foundation. US$30,000.

2012 Koror State Government, Palau. "*Analysis of sunblock chemicals in Clear Lake, Ngermeuangel Lake, and Ongeim'l Tketau Palau.*" Contract to Coral Reef Research Foundation in response to RFP No. 12-009. US$13,000.

2012 Etpison Museum, Koror, Palau. Donation from proceeds of sales of "*Ongeim'l Tketau*" booklet (Patris et al. 2011) to Coral Reef Research Foundation. US$2,000.

2007 Agencia Española de Cooperacion Internacional, Government of Spain, "*Identification and comparison of species diversity in marine lakes, Palau.*" Subcontract awarded to Coral Reef Research Foundation by Palau Conservation Society. US$20,000.

2006 Marine Biodiversity and Ecosystem Functioning EU Network of Excellence (MarBEF) funding for symposium on "*Marine Connectivity.*" Lead organizer: M.N Dawson. Co-organizers: J.P. Wares, A. Faucci. Up to EU56,000 (i.e. up to EU1000 for one registrant from each of the 56 MarBEF institutions; 10 registrants).

2006 Past Global Changes (PAGES) funding for symposium on "*Marine Connectivity.*" Lead organizer: M.N Dawson. Co-organizers: J.P. Wares, A. Faucci. US$4,000.

INVITED SEMINARS

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2020 An odyssey: from marine lakes to models, genes to generality. University of California, Santa Cruz, USA. January 17th.

2019 Sea star wasting disease: a six-year natural experiment, and counting …. (w/ L.M. Schiebelhut) National Parks Service, Point Reyes, California, USA. May 16th.

2019 What can we learn from island and island-like marine systems? Exploring the nexus of ecology, epigenetics, and evolution. California Academy of Sciences, California,

USA. April 04th.

2017 *Comparative biogeography: marine protected area networks, mass mortalities, and jellyfish blooms.* California State University, Fresno, USA. October 13th.

2017 *Coastal biogeography, and the scales of jellyfish blooms.* University of Kerala, Thiruvananthapuram, Kerala, India. October 03rd.

2017 *From population genomics to global biogeography: is there a common theme?* Ecology and Evolutionary Biology, University of California, Irvine, USA. February 02nd.

2014 *Jellyfish blooms, larval dispersal, and natural experiments in the sea.* Romberg Tiburon Center, CSU San Francisco, USA. February 12th.

2013 *Dispersal, diversity, and jellyfish blooms.* Bodega Marine Laboratory, UC Davis, USA. July 17th.

2012 *Experimental phylogeography.* Bangor University, Wales. October 03rd.

2012 *On the generality of ecological and evolutionary processes.* Departamento de Biogeografía y Cambio Global, Museo Nacional de Ciencias Naturales (CSIC), Madrid, Spain. September 28th.

2012 *On the generality of ecological and evolutionary processes.* Center for Marine Sciences, University of Algarve, Portugal. September 26th.

2012 *On the generality of ecological and evolutionary processes.* Department of Biological Sciences, Aarhus University, Denmark. September 24th.

2012 *Comparative biogeography: chance and predictability in patterns of marine biodiversity.* National University of Singapore, Singapore. April 23rd.

2012 *What is the role of chance in marine evolutionary dynamics?* Florida International University, Miami, USA. January 26th.

2011 *Comparative marine biogeography*. University of Brest, France. September 28th.

2010 *The phylogeny and ecology of jellyfish (Scyphozoa) mass occurrences*. California State University, Fresno, California, USA. March 12th.

2009 *The evolutionary ecology of marine lakes*. California Academy of Sciences, California, USA. March 26th.

2008 *The evolutionary ecology of marine lakes*. The Department of Ecology, Evolution, and Natural Resources, Rutgers University, New Jersey, USA. February 14th.

2008 *The evolutionary ecology of marine lakes*. The Department of Ecology, Evolution, and Environmental Biology, Columbia University, New York, USA. January 31st.

2007 *Community assembly and population dynamics in Indo-West Pacific marine lakes*. Environmental Systems, UC Merced, California, USA. September 19th.

2007 *Marine lakes: experiments in ecology and evolution.* Scripps Institution of Oceanography, UCSD, San Diego, California, USA. June 6th.

2006 *Microevolution and macroevolution: two perspectives on speciation in Scyphozoa.* The Australian Museum, Sydney, NSW, Australia. October 29th.

2006 *Seawater lakes: a zoetrope for marine evolutionary biology.* California State University, Northridge, California, USA. May 26th.

2006 *Seawater lakes: a zoetrope for marine evolutionary biology.* UC Merced, California, USA. May 14th.

2006 *Rapid evolutionary radiation of marine zooplankton in peripheral environments.* Rice University, Texas, USA.

2005 *Scales and rates of evolution in marine meroplankton.* University of Liverpool, United Kingdom.

2005 *Rapid evolutionary radiation of marine zooplankton in peripatry: a paragon or parody of evolution in the seas, or just a peculiarity?* Bodega Marine Laboratory, California, USA.

2005 *Rapid evolutionary radiation of marine zooplankton in peripatry, and other stories.* Ecology and Evolutionary Biology, University of California, Santa Cruz, USA.

2005 *Island evolution in marine lakes: a paragon or parody of evolution in the seas, or just a peculiarity?* Centre for Population Biology, University of California, Davis, USA.

2005 *Integrative marine science: molecular phylogenetics, ecology, and evolution*. School of Marine Biology & Aquaculture, James Cook University, Australia.

2004 *Perspectives on marine ecology, evolution, and conservation genetics*. Hawai'i Institute of Marine Biology, University of Hawai'i, USA.

2004 *Islands in the Stream: isolation and evolution in marine species*. Dauphin Island Sea Lab, Alabama, USA.

2003 *Islands in the Stream: patterns of marine biodiversity and some implications for conservation – examples from the 'fishes (Scyphozoa and Teleostei)*. Zoology, University of Hawai'i, USA.

2003 *Islands in the Stream: patterns of marine biodiversity and some implications for conservation – examples from the 'fishes (Scyphozoa and Teleostei)*. Biological Sciences, University of New South Wales, Sydney, Australia.

2003 *Biodiversity in the Scyphozoa.* Australian Institute of Marine Sciences, Queensland, Australia.

2001 *Islands in the Stream: geographic isolation and evolution in coastal marine 'fishes (Scyphozoa and Teleostei)*. Biological Sciences, University of Sydney, New South Wales, Australia.

2001 *Ecological and molecular phylogenetic studies of marine lake jellyfish, Palau.* Biological Sciences, Yamagata University, Yamagata, Japan.

2001 *Phylogeography and ecology of coastal marine 'fishes: Scyphozoa and Teleostei*. Dauphin Island Sea Lab, Alabama, USA.

2000 *Molecular variation and evolution in coastal marine taxa*. Pacific Forum, Monterey Bay Aquarium Research Institute, California, USA

SYMPOSIUM, WORKSHOP & PANEL ORGANIZATION

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2020 Wares, J.P., M.N Dawson, P. Duffin, & L.M. Schiebelhut. *Sea Star Wasting Summer Synthesis*. Online collaborative workshop fortnightly-to-monthly meetings May–September 2020 and occasionally thereafter.

2019 Dawson, M.N, C. Ames, B. Bentlage, A. Schiariti, & A. Morandini. *The cryptic and integrative ecology of jellyfishes*. Special session at the 6th Jellyfish Blooms Symposium, Cape Town, South Africa. 4th–6th November.

2019 Araújo, M., R. Field, J. Hortal, P. Linder, B. McGill, C. Rahbek, J.M. Serra Diaz, H. Tuomisto, R.J. Whittaker & M.N Dawson. *Current Publishing Trends in Biogeography, and how to influence them*. Panel, 11th January, International Biogeography Society Biennial Meeting, Malaga, Spain.

2019 Linder, P., N. Andrew, & M.N Dawson. *Writing in Biogeography*. 08th January, International Biogeography Society Biennial Meeting, Malaga, Spain.

2017 Linder, P. & M.N Dawson. *Writing in Biogeography*. 25th September, National Centre for Biological Sciences, Bengaluru, India.

2013 *Global Change, Disease Ecology, and Evolutionary Management.* The Annual Sigma Xi (UC Merced chapter) Spring Symposium & Banquet. UC Merced. 7th March.

2007 *Maritime Connectivity*. A symposium at the 3rd Biennial Meeting of the International Biogeography Society, Puerto de la Cruz, Tenerife, Canary Islands. 9th-13th January, 2007. Co-organizers: J.P. Wares, A. Faucci. Speakers: D. Bellwood, K. Darling, C. Maggs, C. Meyer, J. Waters.

2007 *Diversity: from Adenine to Zoogeography*. A symposium at the 2nd International Jellyfish Blooms Conference, Griffith University, Gold Coast, Australia. 9th-13th September.

2007 *Cnidaria Tree of Life (CnidToL) – training to collect and identify medusae*. A workshop at the. 2nd International Jellyfish Blooms Conference, Griffith University, Gold Coast, Australia. 9th-13th September.

WORKING GROUPS

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2018 *Using Population Genomic Data to Achieve Systems-level Insights*. 23rd–24th June. Montpellier, France.

2018 *RCN: Cross-Scale Processes Impacting Biodiversity*. 11–15th June. University of Minnesota, Cedar Creek Reserve, Saint Paul, USA.

2017 *Dimensions of Biodiversity Data Management Workshop*. 11th & 12th December. University of Florida Biodiversity Institute, Gainesville, USA.

2017 *Integrating eDNA, Genomics, & Conservation.* UC Conservation Genomics Consortium meeting. 16th & 17th August. Blue Oak Ranch UC NRS, San Jose, CA, USA.

2016 *FuturePhy - Cnidaria*. University of Chicago, Chicago, Illinois. 21st-23rd October.

2013 *LIPI-NSF Indonesia Dimensions of Biodiversity Workshop*. Cibinong Science Center, Bogor, Indonesia. 04-06th February.

2010 *Jellyfish Blooms*. National Center for Ecological Analysis and Synthesis, Santa Barbara, California, USA. 28th February, 06th-09th May.

2007 *Insights From Exotics: Ecological Saturation*. National Center for Ecological Analysis and Synthesis, Santa Barbara, California, USA. 10th-12th September.

2006 *Insights From Exotics*. National Center for Ecological Analysis and Synthesis, Santa Barbara, California, USA. 25th-27th September.

2003 *The Scyphozoan.* [Oral presentation, Dawson, M.N.] Workshop on Electronic Resources, 7th International Conference on Coelenterate Biology, 12th-13th July, University of Kansas, Lawrence, Kansas, USA.

WORKSHOPS & TRAINING

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2018 *So Cal PULSE Institute (SCPI)*. 8–10th June. Loyola Marymount University, Los Angeles, CA.

2017 *Population Genomics Variation*. Earlham Institute, Norwich, UK. 22nd – 26th May.

2016 *NSF Dimensions of Biodiversity PI Meeting*. National Science Foundation, Arlington. 29th February – 01st March.

2013 *NSF Dimensions of Biodiversity PI Meeting*. National Science Foundation, Arlington. 16th February.

2012 *NESCent Academy Next-gen Sequencing course*. National Evolutionary Synthesis Center, Durham, North Carolina, USA. 11th-19th June.

2003 Ascidians. Patricia Kott. 10th-14th November, Charles Darwin University, Darwin, Australia. Five-day course on ascidian taxonomy.

CONFERENCE PRESENTATIONS

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Plenary / Keynote

2019 Dawson, M.N. *A better understanding of biodiversity: integrative taxonomy of the megamedusae*. Plenary Address, 'Conservation of life below water – perspectives on systematics, sustainable livelihoods, and citizen science', 18th March, University of Kerala, India (online).

2013 Dawson, M.N. *Natural experiments*. Plenary Lecture, German Zoological Society (DZG) Annual Meeting, 14th-16th September, Ludwig-Maximilians-University Munich, Germany.

2011 Dawson, M.N. *Advances in marine biogeography*. Keynote presentation. International Biogeography Society Early Career Conference, 23rd-25th September, University of Oxford, UK.

2009 Dawson, M.N. *The ever-changing sea – physico-biological systems still eluding prediction*. Plenary Address. European Conference on Complex Systems, 21st-25th September, University of Warwick, Warwickshire, UK.

Invited

2020 Dawson, M.N. *Conservation and Management of Marine Lakes*. The convergence of science in the management and the use of marine conservation areas in Papua : Marine lake – formation, bioecology, conservation, and management. Virtual International Session, University of Papua, 02nd July, Indonesia.

2019 Dawson, M.N. *The macroecology of the megamedusae*. Special session at the 6th Jellyfish Blooms Symposium, Cape Town, South Africa. 4th–6th November.

2019 Dawson, M.N. *Marine Lakes: A view of what is possible in marine islands*. Island Biology meeting, 08–12th July, La Réunion.

2018 Dawson, M.N & L.M. Schiebelhut. *Robustly testing theory requires adequate study design in the era of big data: contrasts of life history and population differentiation.* II Joint Congress on Evolutionary Biology, 18th–22nd August, Montpellier, France.

2017 Dawson, M.N & L.M. Schiebelhut. *Comparative Biogeography: Clarifying the effects of life history traits on genetic differentiation – linking ecology and phylogeography.* Biogeography India meeting. 26th –28th September, National Centre for Biological Sciences, Bengaluru, India.

2017 Dawson, M.N, L. Schiebelhut, D.V. Ruiz & J.P. Wares. *Disease on the Hi-Cs: Charting the impacts of a pandemic using the ochre sea star genome.* Dovetail User Group Meeting. 22nd June, Dovetail Genomics, Santa Cruz, CA, USA.

2016 Dawson, M.N, L. Schiebelhut, B. Gaylord, R.K. Grosberg, P.T. Raimondi & J.P. Wares. *What is written in the stars? Fortunate and Unfortunate Nature.* UC Carbon Slam. 23rd May, PARC - a Xerox Company, Mountain View, CA, USA.

2016 Dawson, M.N, J.M. Beman, J. Blois, J.P. Sachs, H. Stibor, J. Sachs, S. Behl, T. McGee, M. Meyerhoff, M. Parekh, P. Pondaven, L. Schiebelhut, H. Swift, & J. Wilson. *Parallel eco-evolutionary processes in: microbes–macrobes, alleles–taxa, the past and present?* NSF Dimensions of Biodiversity PI Meeting. 29th February, National Science Foundation, Arlington. USA.

2014 Dawson, M.N, J.M. Beman, J. Blois, J.P. Sachs, H. Stibor, S. Behl, T. McGee, P. Pondaven, L. Schiebelhut, & H. Swift. *The origins, persistence, and loss of biodiversity in marine lakes.* Ecological Society of America—Island Biogeography, from the Oceans to the Sky: Recent Advances and an Emerging Synthesis. 14th August, Sacramento, USA.

2013 Dawson, M.N, J.M. Beman, H. Stibor, P. Pondaven, & S. Behl. *Island biogeography of marine microbes, phytoplankton, and macroinvertebrates: parallel patterns, parallel processes?* 6th Biennial International Biogeography Society meeting—Island Biogeography symposium. 10th January, Florida International University, Miami, USA.

2012 Dawson, M.N. *How can genetics help us understand the cause(s) of jellyfish blooms?* Mol-Tools Workshop, 12-14th September, Università del Salento, Lecce, Italy.

2010 Dawson, M.N, K.M. Bayha, L.E. Gómez Daglio, & A.G. Collins. *The phylogeny and ecology of jellyfish (Scyphozoa) mass occurrences*. Cnidarian Tree of Life Symposium at the Annual Meeting of the Society for Integrative and Comparative Biology, 03rd-07th January, Seattle, USA.

2008 Dawson, M.N. *Aggregations, blooms, and swarms: the evolution of mass occurrences of jellyfish (Cnidaria: Scyphozoa)*. International Symposium for Kuroshio Studies, 01st-04th December, National Sun Yat-sen University, Kaohsiung, Taiwan.

2007 Dawson, M.N. *Rates and scales of evolution in marine plankton*. American Society of Limnology and Oceanography 4th-9th February, Santa Fe, New Mexico, USA.

Oral

2021 Dawson, M.N., A. Thompson, K. Sutherland, & A. Ohdera. *Symbioses in 3D: diversity and dynamics in pelagic symbioses across the tree of life.* Cassiopea Workshop, 20th–23rd May. Online.

2020 Dawson, M.N., L.M. Schiebelhut, R.A. Bay, & M.B. Debiasse. *Community genomics of kelp forests & genomic rescue of sunflower sea stars.* Western Society of Naturalists, 05th–08th November. Online.

2017 Dawson, M.N. *Parallel eco-evolutionary processes in: microbes-macrobes, alleles-taxa, the past and present?* ASLO, the Society for Advancing the Science of Limnology and Oceanography, 29th February - 04th March, Honolulu, Hawaii.

2016 Schiebelhut, L.M., J.B. Puritz, P.T. Raimondi, & M.N Dawson. *In the wake of a pandemic: the genetic consequences of mass mortality and mass recruitment in* Pisaster ochraceus*.* Western Society of Naturalists 2016, 11th-13th November, Monterey, California, USA.

2016 Dawson, M.N & L.M. Schiebelhut. *Using natural experiments to explore correlates of genetic differentiation.* Evolution 2016, 18th-21st June, Austin, Texas, USA.

2015 Dawson, M.N & L.M. Schiebelhut. *Using natural experiments to explore correlates of genetic differentiation.* Western Society of Naturalists, 4th-8th November, Sacramento, California, USA.

2013 Dawson, M.N, M.B. Decker, C. Lucas, G. Hays, V. Hobson, K. Pitt, & S.-I. Uye. *The population biology and population genetics of Discomedusae.* 4th Jellyfish Blooms Symposium, 5th-7th June, Hiroshima, Japan.

2012 Dawson, M.N, C.G. Hays, R.K. Grosberg, & P.T. Raimondi. *Dispersal potential and population genetic structure of synchronously diverging co-distributed marine intertidal taxa.* Western Society of Naturalists, 8th-11th November, Seaside, Monterey, California, USA.

2011 Dawson, M.N. *Four questions in contemporary jellyfish biology.* ASLO, the Society for Advancing the Science of Limnology and Oceanography, 13th-18th February, San Juan, Puerto Rico.

2011 Dawson, M.N. *Speciation, in the sea*? Society of Integrative and Comparative Biology, 3rd-7th January, Salt Lake City, Utah, USA.

2010 Dawson, M.N. *Cryptic ecology*. 3rd International Jellyfish Blooms Symposium, 13th-16th July, Mar del Plata, Argentina.

2010 Dawson, M.N, C.G. Hays, & J.M. Lehman. *Community genetics of the California Mainland and Island Array*. Annual Meeting of the American Society of Naturalists (ASN), Society for the Study of Evolution (SSE), & Society of Systematic Biologists (SSB), 25th-29th June, Portland, Oregon, USA.

2009 Dawson, M.N, K.M. Bayha, & W.M. Hamner. *The evolutionary ecology of mass occurrences of jellyfishes*. Coastal and Estuarine Research Federation, 1st-5th November, Portland, Oregon, USA.

2008 Dawson, M.N, L.E. Martin, L.J. Bell, S. Patris, M. Kelly, J.M. Lehman, & J. Vo. *Ecology and evolution in marine lake 'islands' across the coral triangle*. World Conference on Marine Biodiversity, 11th-15th November, Valencia, Spain.

2008 Dawson, M.N, J.M. Lehman, & J. Vo. *Rapid, parallel, morphological evolution following founder events in jellyfishes, mollusks, and fishes, in marine lakes of the Indo-West Pacfic*. Annual Meeting of the ASN, SSE, & SSB, 20th-24th June, Minneapolis, Minnesota, USA.

2008 Bayha, K.M., A.G. Collins, & M.N Dawson. *Rates of diversification in the large marine jellyfish (Cnidaria: Scyphozoa)*. Annual Meeting of the ASN, SSE, & SSB, 20th-24th June, Minneapolis, Minnesota, USA.

2007 Dawson, M.N. *Maritime connectivity*. International Biogeography Society, 3rd Biennial Meeting, 9th-12th January, Puerto de la Cruz, Tenerife, Spain.

2006 Dawson, M.N, R.K. Grosberg, E. Sanford, & Y.E. Stuart, &. *Genetics of range limits in a recently expanded population of intertidal barnacle (*Tetraclita rubescens*)*. Annual Meeting of the ASN, SSE, & SSB, 23rd-27th June, Stony Brook, New York, USA.

2005 Dawson, M.N, & W.M. Hamner. *Rapid evolutionary radiation of marine zooplankton in peripatry*. Annual Meeting of the ASN, SSE, & SSB, 10th-14th June, Fairbanks, Alaska, USA.

2004 Dawson, M.N, L.J. Bell, & L.E. Martin. *An introduction to patterns of biodiversity in marine lakes: ecology, evolution, and biogeography*. 10th International Coral Reef Symposium, 28th June-2nd July, Okinawa, Japan.

2004 Dawson, M.N, W.M. Hamner, & L.E. Martin. *Rapid evolution of* Mastigias *(Scyphozoa) in Holocene marine lakes: an island biogeography for the seas?* 10th International Coral Reef Symposium, 28th June-2nd July, Okinawa, Japan.

2004 Dawson, M.N. *Peripatric speciation and evolutionary radiation of* Mastigias *(Scyphozoa) in marine lakes during the Holocene: an island biogeography for the seas?* Ocean Research Conference, 15th-20th February, American Society of Limnology and Oceanography/The Oceanography Society, Hawai'i, USA.

2003 Dawson, M.N. *Biodiversity in the Scyphozoa.* 7th International Conference on Coelenterate Biology, 7th-11th July, University of Kansas, Lawrence, Kansas, USA.

2002 Dawson, M.N, & L.E. Martin. *Geographic variation in the jellyfishes* Aurelia *and* Mastigias *(Cnidaria, Scyphozoa).* Genetics Society of Australia, annual meeting. 9th-11th July, University of New South Wales, Sydney, Australia.

2001 Dawson, M.N. *Ecological and molecular phylogenetic studies of marine lake jellyfish, Palau.* Marine Life Histories: Molecular approaches and its current state and perspectives - the dynamics of marine living systems. 5th-6th July, Tokyo University, Tokyo, Japan.

2000 Dawson, M.N, L.E. Martin, & L.K. Penland. *Jellyfish swarms, tourists, and the Christ-child*. International Symposium on Jellyfish Blooms, Gulf Shores, Alabama.

2000 Dawson, M.N, & L.E. Martin. *Molecular variation in* Aurelia *and its implications for ecological research*. International Symposium on Jellyfish Blooms, Gulf Shores, Alabama.

1999 Dawson, M.N, & D.K. Jacobs. *Comparative phylogeography and zoogeography of coastal California*. Annual Meeting of the ASN, SSE, & SSB, Madison, Wisconsin.

1999 Dawson, M.N, & D.K. Jacobs. *Comparative phylogeography and zoogeography of coastal California*. Annual Meeting of the Southern California Academy of Sciences, Los Angeles, California.

1999 Dawson, M.N, & D.K. Jacobs. *Conservation genetics of the endangered California tidewater goby,* Eucyclogobius newberryi. Annual Meeting of the American Fisheries Society (California & Nevada chapters), Redding, California.

Poster

2015 Swift, H.F, & M.N Dawson. *Genetic diversity of jellyfishes and population dynamics of plankton following environmental perturbation.* Western Society of Naturalists, 4th-8th November, Sacramento, California, USA.

2015 Schiebelhut, L.M., B. Gaylord, R.K. Grosberg, L.J. Jurgens, & M.N Dawson. *Recovery from a massive invertebrate die-off along the central coast of California.* Western Society of Naturalists, 4th-8th November, Sacramento, California, USA.

2015 Parekh, M.K. & M.N Dawson. *Parallel patterns of genetic and community diversity in marine environments?* Western Society of Naturalists, 4th-8th November, Sacramento, California, USA.

2015 Dawson, M.N, H.F. Swift, & L. Gómez-Daglio. *Diversity in the jellyfishes: rampant homoplasy and rampant variation*. Systematics Association UK, 10th Biennial meeting, 26th-28th August, Oxford, England.

2015 Schiebelhut, L.M., M.N Dawson. *Correlates of gene flow in terrestrial and marine environments*. International Biogeography Society, 7th Biennial meeting, 9th-12th January, Bayreuth, Germany.

2015 Dawson, M.N, L.M. Schiebelhut. *Diversity, differentiation, and zonation of marine lake communities*. International Biogeography Society, 7th Biennial meeting, 9th-12th January, Bayreuth, Germany.

2011 Dawson, M.N, C.G. Hays, B.P. Gaylord, R.K. Grosberg, C.M. Halle, K. Kusic Heady, J.L. Largier, K. Nickols, & P.T. Raimondi. *Gene flow and community similarity parallel environmental connectivity*. International Biogeography Society, 5th Biennial meeting, 7th-11th January, Irakleion, Crete, Greece.

2009 Dawson, M.N, L.E. Martin, L.J. Bell, & S. Patris. *Island biogeography and evolution in marine environments*. International Biogeography Society, 4th Biennial Meeting, 8th-12th January, Mérida, Yucatan, México.

2005 Dawson, M.N, A.S. Gupta, & M.H. England. *Global ocean model and molecular genetic analyses identify multiple introductions of cryptogenic species*. Annual Meeting of the ASN, SSE, & SSB, 10th-14th June, Fairbanks, Alaska, USA.

2005 Dawson, M.N, A.S. Gupta, & M.H. England. *Global ocean model identifies multiple introductions worldwide of a cryptogenic species*. International Biogeography Society, 2nd Biennial Meeting, 4th-8th January, Sheperdstown, West Virginia, USA.

2000 Barlow, M., M.N Dawson, & D.K. Jacobs. *Genetic effects of natural and human-mediated recolonizations by the tidewater goby – preliminary results*. Annual

Graduate and Undergraduate Research Symposium, Department of Organismic Biology, Ecology, and Evolution (OBEE), University of California, Los Angeles (UCLA).

1999 Dawson, M.N, & D.K. Jacobs. *Comparative phylogeography and marine zoogeography in coastal California*. Annual Graduate and Undergraduate Research Symposium, OBEE, UCLA.

1998 Dawson, M.N, & D.K. Jacobs. *The phylogeography of the endangered California tidewater goby,* Eucyclogobius newberryi*, and the zoogeography of coastal California*. Annual Graduate and Undergraduate Research Symposium, OBEE, UCLA

1996 Dawson, M.N. *The evolution of* Aurelia *and* Mastigias *(Cnidaria, Scyphozoa) in marine lakes, Palau*. Annual Meeting of the ASN, SSE, & SSB, St. Louis, Missouri.

TEACHING EXPERIENCE

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Teaching Positions

2018 –present As faculty in Ecology & Evolutionary Biology undergraduate emphasis, Earth Systems Science undergraduate major, the Environmental Systems Graduate Group, and the Quantitative & Systems Biology Graduate Group at UC Merced.
Undergraduate
LLC - USTU 10 – Carson House: Sustainable Futures
Hybrid - BIO/ESS 113 – Sustainability in the Anthropocene
Lecture - BIO/ESS 34 – Introduction to Marine Science
Advisory - BIO 095 –Research Projects in Biology (per student per semester)
Advisory - BIO 195 – Research Projects in Biology (per student per semester)
Graduate
Seminar - ES 291 – Environmental Systems Seminar Series (w/ ESS 190; once)
Advisory - QSB 295 – Graduate Research (per graduate per semester)
Lecture/seminar - *ES/*QSB 245 – Biogeography
Lecture/seminar - *ES/*QSB 249 – History, Philosophy, and Practice of Science

2007 – 2017 As faculty in Ecology & Evolutionary Biology undergraduate emphasis, Earth Systems Science undergraduate major, the Environmental Systems Graduate Group, and the Quantitative & Systems Biology Graduate Group at UC Merced.
Undergraduate
Lecture - BIO/ESS 34 – Introduction to Marine Science (once)
Lecture - BIO 141 – Evolution (10 times)
Advisory - BIO 095 –Research Projects in Biology (per student per semester)
Advisory - BIO 195 – Research Projects in Biology (per student per semester)
Seminar - ESS 190 – Earth Systems Science Seminar Series (w/ ES 291; once)

Graduate
Seminar - ES 291 – Environmental Systems Seminar Series (w/ ESS 190; once)
Lecture - QSB 244 – Phylogenetics (once)
Lecture - *ES/*QSB 245 – Biogeography (twice)
Lecture - *ES/*QSB 249 – History, Philosophy, & Practice of Science (once)
Lecture - QSB 290 – Current topics in Quantitative & Systems Biology (thrice)
Seminar - QSB 291 – Quantitative & Systems Biology Seminar Series (four times)
Seminar - QSB/ES 292/3 – Quantitative & Systems Biology lab meeting (per sem.)
Advisory – QSB/ES 295 – Graduate Research (per graduate per semester)

2000 Academic Co-ordinator, Life Science Core, University of California, Los Angeles.
Life Science 1 – Ecology, Evolution, and Biodiversity
Life Science 2 – Cells, Tissues, and Organs
Life Science 3 – Introduction to Molecular Biology

1996–2000 Teaching Fellow, University of California, Los Angeles.
Introduction to Marine Biology
Evolution and Ecology
Marine Biology Quarter, Hawaii

1994–1995 Teaching Assistant, University of California, Los Angeles.
Principles of modern biology
Organismic and environmental biology

Guest Lectures

2021 Spring "Questioning the rise of gelatinous zooplankton in the world's oceans", ENG130 Writing to Save the Planet, UC Merced.

2008-2018 "All things great from small", CORE1 General Education, Fall and/or Spring semesters, UC Merced.

2002 "Phylogenetics: what does it mean to you?" BIOS4511 Essential Skills, Honours program; School of Biological, Earth, and Environmental Sciences, University of New South Wales, Australia.

2001 "Marine Lakes, Palau" – Coral Reefs Undergraduate Summer Course, Dauphin Island Sea Lab, Dauphin Island, Alabama, USA.

2000 "An history of marine diversity" – Introduction to Marine Biology, UCLA.
"Invertebrate Zoology" – Introduction to Marine Biology, UCLA.
"Biological Classification and Evolution" – Life Science 1, UCLA.

Seminar Organization

2013 Spring ESS190/ES291 Seminar Series, UC Merced. (See *Teaching Positions*)

11/06-05/10 QSB Seminar Series Organizing Committee, UC Merced. (See *Teaching Positions*)

1998–1999 Departmental Seminar Series, Organismic Biology, Ecology, and Evolution, UC Los Angeles. Participants: John Benzie (Australian Institute of Marine Science), Paul Cornelius (Natural History Museum, London), Michael Ghiselin (California Academy of Sciences), Sandra Harding (Women's Studies, UCLA), Ted Porter (History, UCLA).

1998 "History and Philosophy of Science" graduate seminar, conceived and organized with L. E. Martin. Faculty sponsor: D.K. Jacobs. Participants: Michael Ghiselin, Sandra Harding, Ted Porter, & Banu Subramaniam (UCLA, University of Arizona).

Course Development

2017-present As faculty at University of California, Merced.
BIO/ESS 113 – Sustainability in the Anthropocene (2018, 2019)

2007-2017 As faculty at University of California, Merced.
BIO 141 – Evolution (2008, 2014)
BIO/ESS 34 – Introduction to Marine Science (2011, 2018)
QSB 290 – Current topics in Quantitative and Systems Biology (2007)
QSB 291 – Quantitative and Systems Biology Seminar Series (2007)
QSB 244 – Phylogenetics (2011)
ES/QSB 245 – Biogeography (2015)
ES/QSB 249 – History, Philosophy, & Practice of Science (2016, 2019)

2000 Designed a practical laboratory introduction "Scientific method, report writing, and basic statistics" – for the LS2 undergraduate course at UCLA.

2000 Designed four laboratory and field exercises – oceanography, marine primary producers, invertebrate zoology, and intertidal ecology – for the "Introduction to Marine Biology" majors course at UCLA.

Professional Development

2018 *Executive Leadership Academy*. 9–13th July. University of California, Berkeley.

2016 *9th Annual Mentoring Conference: Developmental Networks – the Power of Mentoring & Networking*. "Starting and Supporting Mentoring Programs" workshop. Mentoring Institute, University of New Mexico, Albuquerque. 24th – 28th October.

Spring 2015 *Assessing Undergraduate Learning Outcomes*: *Pedagogy and Program Planning* Learning Community Project. Mentor to graduate student Ms. Lauren Schiebelhut

2008 Minigrant, Centre for Research on Teaching Excellence, UC Merced, Fall semester. To redevelop curriculum for BIS141 Evolution. $4,683.

Project scientists supervised and mentored

2020–2021 Dr. Lauren Schiebelhut (April 2020 – present).

Dr. Melissa DeBiasse (September 2020 – present).

Postdoctoral scholars supervised and mentored

2017–2019 Dr. Vanessa Guerra (January 2021 – present).

Dr. Giovanni Rapacciuolo (July 2017 – November 2018).

Dr. Lauren Schiebelhut (June 2017 – January 2019).

Dr. Dannise Ruiz Ramos (March 2017 – March 2019).

2009–2011 Dr. Cynthia G. Hays (July 2009 – June 2011).

2010–2011 Dr. Keith M. Bayha (December 2007 – December 2009).

Student Supervision

Graduate research advisor (UCM)

PhD

Lisa Paggeot (Fall 2020 – present), jellyfish functional diversity
Bailey Carlson (Fall 2019 – present), marine island biogeography and evolution
Nattanon Wutthituntisil (Fall 2019 – present), scyphozoan diversity and macroecology
Karly Higgins (Fall 2017 – present), adaptation & plasticity in *Mastigias*
Lauren Schiebelhut (Fall 2010 – Spring 2017), comparative ecology & population genomics
Liza Gómez-Daglio (Fall 2007 – Summer 2016), evolution & systematics of Scyphozoa
Holly Swift (Fall 2007 – Summer 2016), evolution and trophic ecology of *Mastigias*

MS

Sarah Abboud (Spring 2010 – Spring 2016), environmental change & jellyfish blooms
Sharon Patris (Spring 2010 – Summer 2015), invasive species in marine islands
Joan Lehman (Spring 2009 – Spring 2011), comparative phylogeography of *Lottia*

Thesis committee member (UCM unless noted otherwise)

PhD

Bianca Salazar (2021-present), reproductive isolation and phylogeography of *Uta stansburiana*
Brandon Genco (2020-present), remote sensing plankton blooms, coastal California
Sam Fellows (2020-present), evolution of lizards
Megha Suswaram (2017), modeling sexual selection with migration & selection
J. Eric Williams (Aug2015-Dec2018), velocity of paleoclimate and small mammal migrations
Chris Greisemer (AY2013-2016, UC Davis), dispersal & recruitment of porcelain crabs
Jesse Wilson (AY2012-2017), microbial biogeography of marine lakes
Jason Baumsteiger (AY2009-2013), comparative phylogeography of sculpin

Joseph Heras (AY2009-2014), comparative genomics of rockfishes
Miguel Fernandez (AY2010-2013), climate change & niche modeling
Michael DeSalvo (AY2006-2010), coral ecological genomics
Mariah Meek (AY2005-2010, UC Davis), genetics of invasive hydrozoans
Luciano Chiaverano (AY2004-2012, Dauphin Island Sea Lab, Alabama), ecology, morphology, and molecular systematics of scyphomedusae

MS

Matthew Meyerhof (AY2009-2012), comparative microbial biogeography

Graduate research mentor

Sabah Ul-Hasan (2015), micro-evolution of jellyfish symbioses
Mariana Rocha de Souza (Fall 2014–Summer 2016), macro-evolution of jellyfish symbioses
Mariah Meek (AY2005-2010, UCD), genetics of invasive hydrozoans
Stephanie Porter (AY2005-206, UCD), *Mastigias*-*Symbiodinium* symbiosis

Undergraduate research advisor/mentor (UCM unless noted otherwise)

Rebecca Armstrong (Spring 2018 – Spring 2020), curation & tropical plankton diversity
Sierra Montes (Fall 2019 – present), curation & temperate benthic diversity
Daisy Ramos (Fall 2019 – present), curation & temperate benthic diversity
Evan Gong (Spring 2017 – Spring 2019), curation tropical and temperate marine invertebrates
Satya Karuppiah (Spring 2017 – Spring 2018), curation & quantification of lake plankton
Carolina Karuppiah (Fall 2016 – Fall 2019), curation of lake plankton
Kameron Jones (Spring & Fall 2015), curation and lab practices, polyp surveys
Judith Bayardo-Guzman (Spring & Fall 2015), curation and lab practices, polyp surveys
Amanjit Ahuja (Summer 2012-Fall 2013), photodocumentation and database management
Lubna Aman (Summer 2012), sedimentary environment of marine lakes
Kiran Chauhan (AY 2011- Spring 2014), population genetics of *Aequorea*, *Aurelia*
Jason Doornenbal (AY 2011-Spring 2014), scyphozoan systematics
Bryanna Ludwig (AY 2011-Spring 2014), plankton ecology
Moon Park (AY 2011-Fall 2013), foraminiferan community diversity
Carly Stilphen (AY 2011-2012), scyphozoan systematics
Kirandeep Bains (AY 2010-2011), *Nerita* population genetics
Alfredo Villicana Bedolla (AY 2010-2011), algae phylogeography
David Ona (AY 2011-20120), algae phylogeography
Vera Diaz (AY 2009-2010), scyphozoan systematics
Emily Wilson (Fall 2008), the fecundity advantage hypothesis in Scyphozoa
Kimberley Yan (Summer 2008), gene flow and fluid regimes
Joan Lehman (AY 2007-2008), morphology and phylogeography of *Sphaeramia*
Yoel Stuart (AY2005-2006, UCD), population genetics of *Tetraclita*
Chelsea Hertzog (AY2005-2006, UCD), population genetics of *Lottia*
Saeed Heydarnejad (AY2002-2003, UNSW), *Rhabdosargus sarba* phylogeography
Neil Gemmell (AY2002-2003, UNSW), *Stigmatopora* phylogeography
Emily Wong (AY2002-2003, UNSW), *Mastigias* phylogeography
various undergraduates trained in basic molecular techniques and phylogenetics (UCLA)

Other mentoring

Madlen Friedrich, intern (April-Dec 2015), *Mastigias* adaption genetics
Gerlien Verhaegen, UCL intern (January-May 2014), NE Pacific jellyfish phylogeography
Sofie Rutsaert, U. Galway graduate intern (January-May 2014), Coronate phylogenetics
Barbara Scholz, LMU graduate intern (January-June 2013), *Nerita* morphometrics, genetics
Mariana Rocha de Souza, University Aix en Marseille graduate intern (January-June 2013), *Mastigias papua* holotype redescription
Giorgio Aglieri, Università del Salento, Lecce, Italy, graduate intern (January-June 2011), *Pelagia* phylogeography
Anh Nguyen, UCM postgraduate volunteer (Spring 2012-present), *Nerita* morphometrics, database management
Annie Schimon, Kalamazoo College undergraduate volunteer (Summer 2009), predator-prey dynamics in Ongeim'l Tketau
Serafino Bodavos, Merced high school volunteer (Summer 2008), *Sphaeramia* morphometrics

Engagement

2018-2020	Asynchronous module on biological oceanography, global change, and natural selection, using sea star wasting disease as a case study, with CalTeach.
2019	Panel member, Open Access Publishing. UC Merced, 29th April.
2012	Slide show and discussion with the Soroptimists of Atwater, on "*Jellyfish Lake, Palau*." Atwater Community Center, 21st March 2012.
2011	UC Merced Library multimedia exhibit "*Exploring Marine Biodiversity and Environments"* elucidating the process of biological and physical scientific research, both in the field and back at the lab. On display from April 15th through July 30th, 2011. Exhibit curated by Joseph Ameen, Amanda Morgan, Michael N Dawson. Including lunch-time talk on science & poetry with Jared Stanley.
2009-2018	Established, mentored, and supported the *Science Alliance*, a student club spanning all majors to promote scholarship, professional development, and evidence-based public education.
2008	Consultant for National Science Foundation Special Report "Jellyfish gone wild!" http://www.nsf.gov/news/special_reports/jellyfish/index.jsp
2008	Frontiers of Science and Engineering Lecture Series, 2008. "In it for the long haul: an evolutionist's perspective on agriculture, environment, fisheries, and health." Castle Challenger Learning Center, Atwater, 20th September.
2007	Dinner with a Scientist, for 7-8th grade students from Merced School District. UC Merced, 27th March.
2007	Moderated graduate discussion group during the 3rd Biennial meeting of the International Biogeography Society, Tenerife, 11th January.

2006	*Mastigias papua etpisoni*. Contribution to Office for Environmental Research and Coordination, Palau National Government, endorsed webpages on endemic biota of Palau. Co-authored with L.E. Martin & L.J. Bell.
2001	Informal seminar on "Ecological and molecular phylogenetic studies of marine lake jellyfish, Palau" with University of Guam undergraduates in Environmental Biology (BI 100), 7th August. Faculty, Chris Lobban.
2001	Publication of news article "Jellyfish Lake recovers" in *Tia Belau*, Feb. 24, Palau's national weekly newspaper. Co-authored with L.J. Bell and L.E. Martin.
2001	Informal presentation at "Jellyfish Lake" to students in Marine Science at Palau Community College.
2000	Publication of news article "Jellyfish research goes on" in *Tia Belau*, Aug.30. Co-authored with L.J. Bell, L.E. Martin, and L.K. Penland.
1997–1999	Officiated in science fairs in Palau and Los Angeles as well as led field trips for Palauan elementary school children.
1997	Teaching Assistant for National Science Foundation funded **"**Leadership in Marine Science" (LIMS) program run jointly by UCLA Marine Science Center and the Los Angeles Unified School District. Responsibilities included laboratory set-up and providing content expertise for K-12 teachers.

SERVICE

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Centre / Graduate Groups / School

Member, covid-19 grant review panel, Health Sciences Research Institute. July 2020.

Member, interview committee for 2019-2020 Living Learning Community House Fellows, School of Natural Sciences.

Member, ad hoc nominating committee for the Art and Fafa Kamangar Chair in Biological Sciences (Spring 2019), School of Natural Sciences.

Member, Living Learning Community Advisory Committee (AY 2018-2021), School of Natural Sciences.

Member, Educational Policy Committee (Fall 2017), Environmental Systems.

Vice-Chair, Executive Committee (Sep 2017 – Aug 2018), School of Natural Sciences.

Member, Board (Nov 2015 – Oct 2017), Resource Center for Community Engaged Scholarship (ReCCES).

Chair, Lecturer Review Committee (AY2014), Biology [2 positions].

Member, Educational Policy Committee (AY2015–2016), Environmental Systems.

Member, Executive Committee (AY2013–17), Health Sciences Research Institute.

Member, ad hoc Grant Review Committee (AY2012–13, 2014–15, 2018), Environmental Systems.

Chair, Population Genetics/Genomics Search Committee (AY2012–13), Life & Environmental Sciences [2 positions].

Content editor, Life & Environmental Sciences website (AY2013–15), Life & Environmental Sciences.

Vice President, President, & Executive Committee member (AY2012–14), UC Merced Chapter of Sigma Xi.

Chair, Environmental Systems graduate group Educational Policy Committee (Aug 2012 – Nov 2012); School of Natural Sciences, University of California, Merced.

Chair, Mildred Mathias Award Committee (AY2011); Sierra Nevada Research Institute, University of California, Merced.

Member, Biology Undergraduate "Grossman Award" Committee (AY 2011–2012); School of Natural Sciences, University of California, Merced.

Developer, Chair, Ecology & Evolutionary Biology Postdoctoral Fellowship Committee (March 2011–March 2016); Environmental Systems & Quantitative and Systems Biology graduate groups, School of Natural Sciences, University of California, Merced.

Member, Environmental Systems graduate group Educational Policy Committee (Aug 2010 – Jul 2012); School of Natural Sciences, University of California, Merced.

Member, Sierra Nevada Research Institute Membership Committee (2010 – present).

Member, Quantitative and Systems Biology graduate group Executive Committee (Aug 2007 – Jul 2012); School of Natural Sciences, University of California, Merced.

Faculty 'Point of Contact' for Integrative Biology (IB) emphasis track in the Biology major (Nov 2006 – July 2007): Planning course offerings, course development, and student recruitment with Dean of Natural Sciences, Manager of Instructional Support and Student Affairs, and IB faculty. Answering student questions about IB.

Laboratory Manager (2002-2004): Centre for Marine and Coastal Studies, UNSW.

Webmaster: 1. Coral Reef Research Foundation (2001-present); 2. Centre for Marine and Coastal Studies, University of New South Wales (2002-2003).

University of California, Merced

At-Large-Member, Divisional Council (AY 2019–2020): Elected position in the Academic Senate.

Chair, Faculty Advisory Committee on Sustainability (AY 2018–2022): Appointed by the EVC/Provost. Inaugural committee & chair.

Member, Committee on Committees (AY 2018–2020): Elected position in the Academic Senate.

Faculty Member, UCM Hearing Board/Academic Honesty Review Board (AY 2017–2019).

Member, Search Committee, CETL Associate Director (Spring 2018).

At-Large-Member, Divisional Council (AY 2017–2018): Elected position in the Academic Senate.

Member, Divisional Council (AY 2015–2016): Academic Senate.

Chair, Graduate Council (AY 2015–2016): Academic Senate.

Chair, Senate Office staff search (AY 2015–2016): Academic Senate [2 searches].

Member, Administration-Senate 2020 Project Design meetings October 2015 (5 days).

Periodic Program Review team member: Spanish Minor (Spring 2014), Center for Research on Teaching Excellence (Spring 2015).

Member, Periodic Review Oversight Committee (AY 2014–2015): Senate-Administration committee (in capacity as Graduate Committee Vice-Chair).

Vice-Chair, Graduate Committee (AY 2014–2015): Academic Senate.

Member, Program Review Committee (AY 2013–2014): Academic Senate.

Representative, on the Fisheries & Wildlife Resources Section (May 2013 – April 2014), *Commission on Food, Environment, and Renewable Resources*; Association of Public and Land-Grant Universities.

Member, Graduate and Research Council (Aug 2007 – Jul 2009): Academic Senate.

University of California

UCMEXUS Natural Sciences Review Panel, member, 2019.

UCMEXUS Natural Sciences Review Panel, member, 2017.

UCTV Sustainable California, Founding Donor & Inaugural Advisory Board Member (Fall 2016 – present).

Coordinating Committee on Graduate Affairs, UC Senate, member (Sept 2015 – Aug 2016).

Associate Director, Network for Experimental Research on Evolution (May 2011 – June 2015).

Member, University of California Marine Council (July 2007 – June 2009).

National

Peer review (July 2020–present): National Science Foundation (EPSCoR Research Infrastructure).

Peer review (2017–mid2020): National Science Foundation (Biological Oceanography, Frontier Research in Earth Sciences [3], Integrated Earth Systems).

Peer review (2012–2016): National Science Foundation (Advances in Biological Informatics, Biodiversity: Discovery & Analysis, Biological Oceanography, Dimensions of Biodiversity).

Peer review (2007–2012): National Science Foundation (Assembling the Tree of Life, Biological Oceanography, International Polar Year - Environmental Genomics, Systematic Biology and Biodiversity Inventories).

Panel review (2007, 2013, 2017, 2020, 2021): National Science Foundation – Division of Environmental Biology (Biotic Surveys & Inventories [1], Dimensions of

Biodiversity [2], Systematics and Biodiversity Science [1]), Division of Biological Infrastructure (Infrastructure Innovation for Biological Research [1]).

Peer review (2001–2006): National Science Foundation (Biological Oceanography, Systematic Biology and Biodiversity Inventories), Washington Sea Grant Program.

International

Editor-in-Chief (Sep 2019–Dec 2022), *Journal of Biogeography*

Deputy Editor-in-Chief (2011–July 2019), *Frontiers of Biogeography*

Associate Editor (2013–present), Cubozoa, Scyphozoa & Staurozoa for *Zootaxa*

Deputy Editor-in-Chief (2015–2018, 33 months), the *Journal of Biogeography*

Molecular Ecology 2015 – Top Reviewer 2015: in top 300 (8%) of most responsive and timely reviewers.

Member, International Scientific Steering Committee (2012–2013), *8th International Conference on Coelenterate Biology (ICCB), 1st-6th December, 2013.*

Associate Editor (2009–2015), the *Journal of Biogeography*

Vice President for Public Affairs & Communications (2009–2014 [three terms of two years]), the *International Biogeography Society*

Advisory & Editorial Board, ex officio (2009–2014), *Frontiers of Biogeography – the scientific magazine of the International Biogeography Society*

Member, Review Board (2006–2008): *Molecular Ecology*

Peer review (July 2020–present): *Biological Journal of the Linnean Society*; *Marine Biodiversity*; *Methods in Ecology and Evolution*.

Peer review (2017–June 2020): *Biological Bulletin*; *FONDECYT* – Chilean National Science and Technology Commission; *Ecography*; *Environmental DNA*; *Evolution*; *Global Ecology & Biogeography*; *Hydrobiologia*; *Journal of Animal Ecology*; *Marine Ecology Progress Series*; *Molecular Ecology*; National Geographic Society CRE; *Revista de Biología Tropical*; *Symbiosis*; *The Philippine Scientist*; sDiv.

Peer review (2012–2016): *Axios Review; Biological Journal of the Linnean Society*; *Bulletin of Marine Science*; *Ecography*; *Ecological Applications*; *Ecological Monographs*; *Ecology Letters*; *Evolution*; *Hydrobiologia*; *Marine Ecology Progress Series*; *Molecular Ecology*; *Molecular Phylogenetics & Evolution*; *Nature Scientific Reports*; *PNAS*; *Symbiosis*; *Zootaxa*; Ministry of Education of Singapore (Tier 2 Grant Call).

Peer review (2007–2012): *Aquatic Biology*; *Biological Bulletin*; *Conservation Biology*; *Conservation Genetics*; *Coral Reefs*; *Ecology*; *Estuarine, Coastal and Shelf Science*; *Ecography*; *Evolution*; *Geography Compass*; *Hydrobiologia*; *ICES Journal of Marine Science*; *Invertebrate Biology*; *Journal of Biogeography; Journal of Experimental Marine Biology and Ecology*; *Journal of Plankton Research*; *Marine*

Biology; *Marine Ecology; Marine Ecology Progress Series*; *Molecular Ecology*; *Marine and Freshwater Research*; *Proceedings of the Royal Society of London A*; *Proceedings of the Royal Society of London B*; *Royal Society Biology Letters*; *Science*; *Trends in Ecology and Evolution*; *Zoological Journal of the Linnaean Society*; *Zootaxa*; National Geographic Society CRE; Natural Environment Research Council UK (Sustainable Marine Bioresources); Natural Sciences and Engineering Council of Canada (Environmental Science and Technologies).

Peer review (2001–2006): *Beaufortia*; *Biological Bulletin*; *Estuarine, Coastal and Shelf Science*; *Evolution*; *Journal of Biogeography*; *Journal of Plankton Research*; *Marine Biology*; *Marine Ecology Progress Series*; *Molecular Ecology*; *Molecular Phylogenetics and Evolution*; *Proceedings of the Royal Society of London B*; Natural Environment Research Council UK (Marine Science).

External examiner (2010–present): Macquarie University, Australia (Ph.D. thesis of Ms. Kim Shaddick; 2010). University of the Western Cape, South Africa (M.Sc. thesis of Ms. Simone Neethling; 2011). University of Melbourne, Australia (Ph.D. thesis of Ms. Kate Naughton). GEOMAR, Germany (M.Sc. thesis of Ms. Madlen Friedrich; 2016). University of the Western Cape, South Africa (M.Sc. thesis of Ms. Verena Ras; 2016). Ms. Hila Dror, Department of Maritime Civilizations, University of Haifa, Israel (2019).

Consulting

2010 *Koror State Government, Palau*. Wrote recommendations for marine lakes to be included in, and contributed to writing of the marine lakes section for, Koror State World Heritage Site proposal. Rock Islands Southern Lagoon inscribed July 2012.

2008 *BBC Natural History Unit*. For a section on marine lakes, Palau, in an episode of the *South Pacific* series describing interactions between geography and biodiversity.

2008 *Science Illustrated Magazine*. For an article on jellyfish blooms.

2006 *FAQ: Ongeim'l Tketau*. Presentation with extended question and answer session on marine lakes research and its management implications, for members of Koror State Government, the Department of Conservation and Law Enforcement, and Palau Conservation Society. 12th May, Koror State Capitol Building.

2004 *BBC Natural History Unit.* Scientific advisor for production of an episode of "TIME MACHINE" featuring *Mastigias* migrations in marine lakes, Palau.

2001–2002 Advisory Committee on Marine Protected Areas, Palau.
Scientific guidance for legislation to establish nationwide network of federal and state managed Marine Protected Areas in Palau, Micronesia.

1998–2002 Coral Reef Research Foundation, Palau.
Design and supervise a monthly program monitoring physical and biological changes in three marine lakes, Palau, Micronesia.

1999	Koror State Government, Palau. Marine lake conservation – human impacts on and ecological status of marine lakes, including the tourist destination "Jellyfish Lake".
1997–1998	Palau Conservation Society, Palau. Marine lake management – impacts of tourism and development on, tourist education about, and conservation of "Jellyfish Lake".
1997	Palau Visitors Authority, Palau. Author of a popular article describing "Jellyfish Lake".

PROFESSIONAL MEMBERSHIPS

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ASLO – American Society for Limnology and Oceanography / Advancing the Science of Limnology and Oceanography (2006–present)

Ecological Society of America (2013–2015)

International Biogeography Society (2005–present)

Society for the Study of Evolution (1997–present)

Society of Systematic Biologists (2006–present)

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