Curriculum Vitae

Giacomo Bernardi

Professor of Biology – University of California Santa Cruz

EMPLOYMENT HISTORY

2005 - Present	Professor of Biology, University of California, Santa Cruz
2001 - 2005	Associate Professor of Biology, University of California, Santa Cruz
1994 - 2001	Assistant Professor of Biology, University of California, Santa Cruz
1991 - 1994	Postdoctoral Fellow with Dr. Dennis A. Powers, Hopkins Marine Station, Stanford University, Pacific Grove, CA
1990 - 1991	Research Associate with Dr. Koussay Dellagi, Pasteur Institute, Tunis, Tunisia
1985 - 1989	Graduate student with Dr. Giorgio Bernardi, Institut Jacques Monod, Paris, France

EDUCATION

1989	Ph.D., Molecular Biology, University of Paris, Pierre et Marie Curie
1985	M.Sc., Biochemistry, University of Paris, Pierre et Marie Curie

HONORS AND AWARDS

2007	**Honored Faculty Honored Books:** GB and "The Malay Archipelago"
2006	**California Academy of Sciences:** Fellow
1996	**Membership in Honorary Society:** UCSC founding member of Sigma-Xi permanent charter
1994	**Membership in Honorary Society:** International Society of Molecular Evolution - Founding Member

SCHOLARLY AND CREATIVE WORK

Journal Articles

174 Roberts, May B. , Darrin T. Schultz, Remy Gatins, Merly Escalona , Giacomo Bernardi . 2022. Chromosome-level genome of the three-spot damselfish, Dascyllus trimaculatus. G3: Genes, Genomes, Genetics (in press)

166 Bernardi, Giacomo. 2022. Inter-island local adaptation in the Galápagos Archipelago: Genomics of the Galápagos blue-banded goby, Lythrypnus gilberti. Coral Reefs. 41: 625–633. https://doi.org/10.1007/s00338-021-02189-5

167 Azzurro Ernesto, Mathilde Nourigat, Francesca Cohn, Jamila Ben Souissi, and Giacomo Bernardi. 2022. Right out of the gate: the genomics of Lessepsian invaders in the vicinity of the Suez Canal. Biological Invasions. Biol Invasions 24, 1117–1130. https://doi.org/10.1007/s10530-021-02704-3

168 Bernardi Giacomo, Jason A. Toy, Merly Escalona, Mohan P. A. Marimuthu, Ruta Sahasrabudhe, Oanh Nguyen, Samuel Sacco, Eric Beraut, Erin Toffelmier, Courtney Miller, and H. Bradley Shaffer. 2022. Reference genome of the Black Surfperch, Embiotoca jacksoni (Embiotocidae, Perciformes), a California kelp forest fish that lacks a pelagic larval stage. Journal of Heredity

169 Bernardi Giacomo, Melissa DeBiasse, Merly Escalona, Mohan P. A. Marimuthu, Oanh Nguyen, Samuel Sacco, Eric Beraut, Courtney Miller, Erin Toffelmier, and H. Bradley Shaffer. 2022. Reference genome of the California Sheephead, Semicossyphus pulcher (Labridae, Perciformes), a keystone fish predator in kelp forest ecosystems. Journal of Heredity , esac032, https://doi.org/10.1093/jhered/esac032

170 Toy Jason, Kristy Kroeker, Cheryl Logan, Yuichiro Takeshita, Gary Longo, and Giacomo Bernardi. 2022. Upwelling-level acidification and pH/pCO2 variability moderate effects of ocean acidification on brain gene expression in the temperate surfperch, Embiotoca jacksoni. Molecular Ecology . https://doi.org/10.1111/mec.16611

171 Wright, Daniel B., Merly Escalona, Mohan P. A. Marimuthu, Ruta Sahasrabudhe, Oanh Nguyen, Samuel Sacco, Eric Beraut, Erin Toffelmier, Courtney Miller, H. Bradley Shaffer, Giacomo Bernardi, Donovan P. German. 2022. Reference genome of the Monkeyface Prickleback, Cebidichthys violaceus. Journal of Heredity (in press)

172 Wright, Daniel B., Merly Escalona, Mohan P. A. Marimuthu, Ruta Sahasrabudhe, Oanh Nguyen, Samuel Sacco, Eric Beraut, Erin Toffelmier, Courtney Miller, H. Bradley Shaffer, and Giacomo Bernardi. 2022. Reference genome of the Woolly Sculpin, Clinocottus analis. Journal of Heredity (in press)

173 Limón, Juliana, May B. Roberts, Darrin T. Schultz, Giacomo Bernardi. 2022. The complete mitochondrial genome of Dascyllus trimaculatus (Rüppell, 1829). Mitochondrial DNA B. (in press)

161 Ricardo Beldade, Gary C. Longo, Kendall D. Clements, D. Ross Robertson, Alejandro Perez-Matus, Shiro Itoi, Haruo Sugita, and Giacomo Bernardi. 2021. Evolutionary origin of the Atlantic Cape Verde nibbler (Girella stuebeli), a member of a primarily Pacific Ocean family of antitropical herbivorous reef fishes. Molecular Phylogenetics and Evolution. 156: 107021

162 Garcia Eric, Daniel Wright, Remy Gatins, May B. Roberts, Hudson T. Pinheiro, Eva Salas, Jei-Ying Chen, Jacob R. Winnikoff, Giacomo BernardiI. 2021. Haplotype network branch diversity, a new metric combining genetic and topological diversity to compare the complexity of haplotype networks. PLoS ONE 16(6): e0251878. https://doi.org/10.1371/journal. pone.0251878

163 Palazzo Quinzia, Fiorella Prada, Tim Steffens, Simona Fermani, Chiara Samorì, Giacomo Bernardi, Alexis Terrón-Sigler, Francesca Sparla, Giuseppe Falini, Stefano Goffredo. 2021. The skeleton of Balanophyllia coral species suggests adaptive traits linked to the onset of mixotrophy. Science of The Total Environment. 795.

164 Meynard, Christine N.; Giacomo Bernardi, Ceridwen Fraser, Judith Masters, Cynthia Riginos, Isabel Sanmartin, Krystal A. Tolley, Michael N Dawson. 2021. Women in Biogeography. Journal of Biogeography. https://doi.org/10.1111/jbi.14223

155 Araujo G.S., Vasconcellos A.V., Britto M.R., Bernardi G., von der Heyden S., Levy A., Floeter S.R. 2020. Phylogeny of the comb-tooth blenny genus Scartella (Blenniiformes: Blenniidae) reveals several cryptic lineages and a trans-Atlantic relationship. Zoological Journal of the Linnean Society. 190:54–64

156 Garcia, Eric; W. Brian Simison; and Giacomo Bernardi. 2020. Patterns of Genomic Divergence and Signals of Selection in Sympatric and Allopatric Northeastern Pacific and Sea of Cortez populations of the Sargo (Anisotremus davidsonii) and Longjaw mudsucker (Gillichthys mirabilis). Journal of Heredity 111:57-69

157 Liedke, Ana MR; Hudson T Pinheiro; Sergio R Floeter; and Giacomo Bernardi. 2020. Phylogeography of the banded butterflyfish, Chaetodon striatus , indicates high connectivity between biogeographic provinces and ecosystems in the western Atlantic. Neotropical Ichthyology 18:1

158 Michailidis, Nikolas; Ioannis Manitaras; Giacomo Bernardi; Periklis Kleitou. 2020. Variola louti (Perciformes: Epinephelidae) in the Mediterranean Sea: incidental introduction or aquarium release? Journal of Applied Ichthyology. 36: 231-234 . DOI: 10.1111/jai.14001

159 Kleitou, Periklis; Ioannis Giovos, Charalampos Antoniou, Giannis Ioannou, Giacomo Bernardi. 2020. The third record of black-spotted porcupinefish Diodon hystrix Linnaeus, 1758 in the Mediterranean Sea. Journal of Applied Ichthyology. 36: 227-230. DOI: 10.1111/jai.13999

160 Salas, Eva; J-P A. Hobbs, M. A. Bernal, W. B. Simison, M. L. Berumen, G. Bernardi, L.A. Rocha. 2020. Distinct patterns of hybridization across a suture zone in a coral reef fish Dascyllus trimaculatus. Ecology and Evolution. 10(6):2813-2837. DOI: 10.1002/ece3.6068

151 Salas, EM, Bernardi, G , Berumen, ML, Gaither, MR & Rocha, LA. 2019. RADseq analyses reveal concordant Indian Ocean biogeographic and phylogeographic boundaries in a reef fish, Dascyllus trimaculatus. Royal Society Open Science

152 Giovos, Ioannis; Periklis Kleitou; Dimitris Poursanidis; Ioannis Batjakas; Giacomo Bernardi (et al.) .2019. Citizen-science for monitoring marine invasions and stimulating public engagement – a case project from the eastern Mediterranean. Biological Invasions 21: 3707–3721

153 Tariel, Juliette; Gary Longo, Angela Quiros, Nicole L. Crane, Kimberly Tenggardjaja, Alexis Jackson, Bruce E. Lyon, and Giacomo Bernardi. 2019, Alloparental care in the

sea: Brood parasitism and adoption within and between two species of coral reef Altrichthys damselfish? Molecular Ecology 28:4680–4691

154 Chiesa, Stefania; Ernesto Azzurro, Giacomo Bernardi. 2019. The genetics and genomics of marine fish invasions: a global review. Reviews in Fish Biology and Fisheries. 29:837–859

143 Giovos, Ioannis; Giacomo Bernardi, Georgios Romanidis-Kyriakidis, Dimitra Marmara, Periklis Kleitou. 2018 First records of the fish Abudefduf sexfasciatus and Acanthurus sohal in the Mediterranean Sea. BioInvasion Records. 7:205-210

144 Mills,Suzanne C; James O'Donnel, Giacomo Bernardi, and Ricardo Beldade. 2018. Natural endocrine profiles of the group living skunk anemonefish in relation to their size-based dominance hierarchy. J. Fish. Biology. 92: 773-789

145 Bernardi, Giacomo; Peter Nelson, Michelle Paddack, John Rulmal Jr, and Nicole Crane. 2018. Genomic islands of divergence in the Yellow Tang and the Brushtail Tang Surgeonfishes. Ecology and Evolution DOI: 10.1002/ece3.4417

146 Crane, Nicole, Juliette Tariel, Jennifer E. Caselle, Alan M. Friedlander, D. Ross Robertson, and Giacomo Bernardi. 2018. Clipperton Atoll as a model to study small marine populations: endemism and the genomic consequences of small population size. PLoS ONE 13(6): e0198901

147 Tenggardjaja Kimberly, Brian W. Bowen and Giacomo Bernardi. 2018. Comparative phylogeography of widespread and endemic damselfishes in the Hawaiian Archipelago. Marine Biology 165:139

148 Longo, Gary C.; Giacomo Bernardi, and Robert N. Lea. 2018 Taxonomic revisions within Embiotocidae (Teleostei, Perciformes) based on molecular phylogenetics. Zootaxa 4482: 591-596.

149 Gajdzik, Laura; Giacomo Bernardi, Gilles Lepoint, and Bruno Frédérich. 2018. Genetic diversity mirrors trophic ecology in coral reef fish feeding guilds. Molecular Ecology 27:5004-5018

150 Kleitou, Periklis; Ioannis Giovos, Francesco Tiralongo, Nikolaos Doumpas, Giacomo Bernardi. 2019. Westernmost record of the diamondback puffer, Lagocephalus guentheri(Tetraodontiformes: Tetraodontidae) in the Mediterranean Sea: First record from Greek waters. J. Applied Ichthyology. 35 : 576-579

134 : O'Donnell, James L. ; Ricardo Beldade; Suzanne C. Mills; Hannah E. Williams;, and Giacomo Bernardi. 2017. Life history, larval dispersal, and connectivity in coral reef fish among the Scattered Islands of the Mozambique Channel. Coral Reefs Coral Reefs. 36: 223-232

135 : Bernardi Giacomo , Nicole L. Crane, Gary C. Longo, and Angela L. Quiros. 2017. The ecology of Altrichthys azurelineatus and A. curatus, two damselfishes that lack a pelagic larval phase. Environmental Biology of Fishes. 100: 111-120

136 : Hamilton, Scott L.; Cheryl A. Logan, Hamilton W. Fennie, Susan M. Sogard, James P. Barry, April D. Makukhov, Lauren R. Tobosa, Kirsten Boyer, Christopher F. Lovera, Giacomo Bernardi. 2017. Species-Specific Responses of Juvenile Rockfish to Elevated pCO2: From Behavior to Genomics. PLoS ONE 12(1): e0169670. doi:10.1371/journal. pone.0169670

137 : Crane, Nicole; Peter Nelson, Avigdor Abelson, Kristin Precoda, John Rulmal Jr, Giacomo Bernardi, Michelle Paddack. 2017. Atoll-scale patterns in coral reef

community structure: Human signatures on Ulithi Atoll, Micronesia. PLoS ONE 12(5): e0177083.

138 Bernardi, Giacomo; Gary Longo; Angela Quiros. 2017. Altrichthys alelia, a new brooding damselfish (Teleostei, Perciformes, Pomacentridae) from Busuanga Island, Philippines. Zookeys 675:45-55

139 Bariche, Michel; Periklis Kleitou; Stefanos Kalogirou; and Giacomo Bernardi. 2017. Genetics reveal the identity and origin of the lionfish invasion in the Mediterranean Sea. Scientific Reports.

140 Siu, G; Philippe Bacchet; Giacomo Bernardi, Andrew J. Brooks, (...), Jeffrey T. Williams, and René Galzin. 2017. Shore Fishes of French Polynesia. Cybium. 41:245-278.

141 Pinheiro, Hudson T.; Giacomo Bernardi, Thiony Simon, Jean-Christophe Joyeux, Raphael M. Macieira, João Luiz Gasparini, Claudia Rocha & Luiz A. Rocha. 2017. Island biogeography of marine organisms. Nature. 549: 82-85.

142 Soliman, Taha; Walid Aly, Reda M. Fahim, Michael L. Berumen and Giacomo Bernardi. 2017. Comparative population genetic structure of Coptodon zillii (Gervais, 1848) among three different water bodies of Egypt. Ecology and Evolution 7: 11092–11099.

125 : Johnson, Darren W.; Jan Freiwald, and Giacomo Bernardi. 2016. Genetic diversity affects the strength of population regulation in a marine fish. Ecology 97: 627-639.

126 : Tariel, Juliette, Gary C. Longo, and Giacomo Bernardi. 2016. Tempo and mode of speciation in Holacanthus angelfishes based on RADseq markers. Mol. Phylog. Evol. 98: 84-88

127 : Pinheiro, Hudson, Giacomo Bernardi, and Luiz Rocha. 2016. Pempheris gasparinii, a new species of sweeper fish from Trindade Island, southwestern Atlantic (Teleostei, Pempheridae). Zookeys. 561: 105-115.

128 : Tenggardjaja Kimberly, Brian W. Bowen and Giacomo Bernardi. 2016. Reef fish dispersal in the Hawaiian Archipelago: comparative phylogeography of three endemic damselfishes. Journal of Marine Biology 2016: 1-17. ID 3251814.

129 : Longo, Gary C., Brendan O'Connell, Richard E. Green, and Giacomo Bernardi. 2016. The complete mitochondrial genome of the black surfperch, Embiotoca jacksoni: selection and substitution rates among surfperches (Embiotocidae). Marine Genomics. 28: 107-112.

130 : Crane, Nicole; Michelle Paddack; Peter Nelson; Avigdor Abelson, John Jr. Rulmal; and Giacomo Bernardi. 2016. Corallimorph and Montipora Reefs in Ulithi Atoll, Micronesia: documenting unusual reefs. Journal of the Ocean Science Foundation. 21: 10-17.

131 : Selkoe, Kimberly A.; Oscar E. Gaggiotti; Eric A. Treml; Johanna L. K. Wren; Mary K. Donovan; Kimberly Andrews; Iliana Baums; Moisés A. Bernal; Giacomo Bernardi; Christopher Bird; [...]; Luiz A. Rocha; Joshua Reece; Derek Skillings; Scott R. Santos; Zoltan Szabo; Molly Timmers; Lisa Wedding; Gareth J. Williams; Nicholas M. Whitney; Robert J. Toonen. 2016. The DNA of coral reef biodiversity: predicting and protecting genetic diversity of reef assemblages. Proceedings of the Royal Society B. 283:20160354.

132 : Bernardi, Giacomo; Ernesto Azzurro; Daniel Golani; Michael Ryan Miller. 2016. Genomic signatures of rapid adaptive evolution in the bluespotted cornetfish, a Mediterranean Lessepsian invader. Molecular Ecology 25, 3384–3396.

133 : Beldade, Ricardo , Sally J. Holbrook, Russell J. Schmitt, Serge Planes, and Giacomo Bernardi. 2016. Spatial patterns of self-recruitment of a coral reef fish in relation to island-scale retention mechanisms. Molecular Ecology. 25: 5203-5211.

120 : Azzurro Ernesto, Menachem Goren, Ariel Diamant, Bella Galil, and Giacomo Bernardi. 2015. Establishing the identity and assessing the dynamics of invasion in the Mediterranean Sea by the dusky sweeper, Pempheris rhomboidea Kossmann & Räuber, 1877 (Pempheridae, Perciformes). Biological Invasions 17:815–826.

117 : Rius Marc, Xavier Turon, Giacomo Bernardi, Filip A.M. Volckaert, Frédérique Viard . 2015. Marine invasion genetics: from spatio-temporal patterns to evolutionary outcomes. Biological Invasions 17:869-885.

118 : Jackson, Alexis M. , Kimberly Tenggardjaja, Gerardo Perez, Ernesto Azzurro, Daniel Golani, and Giacomo Bernardi. 2015. Phylogeography of the bluespotted cornetfish, Fistularia commersonii: A predictor to bioinvasion success? Marine Ecology 36: 887-896.

119 : Poortvliet, Marloes; Jeanine L Olsen; Donald A Croll; Giacomo Bernardi; Kelly Newton; Spyros Kollias; John O'Sullivan; Daniel Fernando; Guy Stevens; Felipe Galván Magaña; Bernard Seret; Sabine Wintner; Galice Hoarau. 2015. A dated molecular phylogeny of manta and devil rays (Mobulidae) based on mitogenome and nuclear sequences. Molecular Phylogenetics and Evolution 83: 72-85.

121 : Jackson Alexis M., Adrian Munguía-Vega, Ricardo Beldade, Brad E. Erisman, and Giacomo Bernardi. 2015. Incorporating historical and ecological genetic data for Leopard grouper (Mycteroperca rosacea) into marine reserve design in the Gulf of California. Conservation Genetics 16: 811-822.

122 : Longo, Gary, and Giacomo Bernardi. 2015. The evolutionary history of the embiotocid surfperch radiation based on genome-wide RAD sequence data. Molecular Phylogenetics and Evolution. 88: 55-63.

123 : Mills Suzanne, Ricardo Beldade, Pascale Chabanet, Lionel Bigot, James O'Donnell, and Giacomo Bernardi. 2015. Ghosts of thermal past: reef fish exposed to historic high temperatures have higher stress-responsiveness. Coral Reefs 34:1255-1260.

124 : Bariche, Michel; Martha Torres; Colin Smith; Nancy Sayar; Ernesto Azzurro; Ryan Baker, and Giacomo Bernardi. 2015. Red Sea fishes in the Mediterranean Sea: a preliminary investigation of a biological invasion using DNA barcoding. Journal of Biogeography (in press).

114 : Bernardi, Giacomo. 2014. Baja California disjunctions and phylogeographic patterns in sympatric California blennies. Frontiers in Ecology and Evolution. 2:53. doi: 10.3389/fevo. 2014.00053

115 : Adam, Thomas C., Andrew J. Brooks, Sally J. Holbrook, Russell J. Schmitt, Libe Washburn, and Giacomo Bernardi. 2014. How will coral reef fish communities respond to climate-driven disturbances? Insight from landscape-scale perturbations. Oecologia 176:285–296.

113 : Jackson Alexis M., Brice X. Semmens, Yvonne Sadovy de Mitcheson, Richard S. Nemeth, Scott A. Heppell, Phillippe G. Bush, Alfonso Aguilar-Perera, John A. B. Claydon, Marta C. Calosso, Kathleen S. Sealey, Michelle T. Schärer and Giacomo

Bernardi. 2014. Population structure and phylogeography in Nassau grouper (Epinephelus striatus), a mass-aggregating marine fish. Plos One 9 (5) e97508

112 : Boero, Fernando, and Giacomo Bernardi. 2014. Phenotypic vs genotypic approaches to biodiversity, from conflict to alliance. Marine Genomics. 17: 63-64.

111 : Freitas, Rui, Osmar J. Luiz, Pericles N. Silva, Sergio R. Floeter, Giacomo Bernardi, and Carlos E. L. Ferreira. 2014. The occurrence of Sparisoma frondosum (Teleostei: Labridae) in the Cape Verde Archipelago, with a summary of expatriated Brazilian endemic reef fishes. Marine Biodiversity. 44: 173-179

110 : Bernardi, Giacomo, Marina Ramon, Yvette Alva-Campbell, John E. McCosker, Giuseppe Bucciarelli, Lauren E. Garske, Benjamin C. Victor, and Nicole L. Crane. 2014.Darwin's fishes: phylogeography of Galápagos Islands reef fishes. Bulletin of Marine Science. 90: 533-549.

109 : von der Heyden, Sophie, Maria Beger, Robert J. Toonen, Lynne van Herwerden, Marie Antonette Juinio-Meñez, Rachel Ravago-Gotanco, Cecile Fauvelot, and Giacomo Bernardi. 2014. The application of genetics to marine management and conservation: examples from the Indo-Pacific. Bulletin of Marine Science 90: 123-158.

108 : Bowen, Brian W., Kartik Shanker, Nina Yasuda, Maria Celia D Malay, Sophie von der Heyden, Gustav Paulay, Luiz A Rocha, Kimberly A Selkoe, Paul H Barber, Suzanne T Williams, Harilaos A Lessios, Eric D Crandall, Giacomo Bernardi, Christopher P Meyer, Kent E Carpenter, Robert J Toonen. 2014. Phylogeography Unplugged: Comparative surveys in the genomic era. Bulletin of Marine Science. 90:13-46.

107 : Jackson, Alexis M., Adrian Munguía-Vega, Avian S. Lain, Simon A. Stokes, Aneese J. Williams, and Giacomo Bernardi. 2014. Isolation and characterization of fifteen microsatellite loci in Leopard grouper (Mycteroperca rosacea) via 454 pyrosequencing. Conservation Genetics Resources. 6: 185-187.

106 : Beldade, Ricardo; Alexis M Jackson; Richard Cudney-Bueno; Peter T. Raimondi; and Giacomo Bernardi. 2014. Genetic structure among spawning aggregations of the Gulf Coney, Hyporthodus acanthistius. Marine Ecology Progress Series 499: 193-201.

105 : Tenggardjaja, Kimberly, Alexis Jackson, Frank Leon, Ernesto Azzurro, Daniel Golani, and Giacomo Bernardi. 2014. Genetics of a Lessepsian sprinter: the bluespotted cornetfish, Fistularia commersonii. Israel Journal of Ecology and Evolution 59: 181-185.

116 : Tenggardjaja, Kimberly A.; Brian W. Bowen; Giacomo Bernardi. 2014. Vertical and horizontal genetic connectivity in Chromis verater, an endemic damselfish found on shallow and mesophotic reefs in the Hawaiian Archipelago and adjacent Johnston Atoll. PLoS ONE 9(12): e115493. doi: 10.1371/journal.pone.0115493

102 : Bernardi, Giacomo, Ramon Noguchi, Antônio B. Anderson, Sergio R. Floeter, and Carlos Eduardo Leite Ferreira. 2013. Sargo Amarelo, a traditionally recognized hybrid between two species of Brazilian reef fishes. Marine Biodiversity 43:255-256.

103 : Leichter, James J., Alice L. Alldredge, Giacomo Bernardi, Andrew J. Brooks, Craig A. Carlson, Robert C. Carpenter, Peter J. Edmunds, Melanie R. Fewings, Katharine M. Hanson, Sally J. Holbrook, James L. Hench, Craig E. Nelson, Russell J. Schmitt, Robert J. Toonen, Libe Washburn, and Alex S.J. Wyatt. 2013. Transport and Retention

Processes on Moorea, French Polynesia: Biological and Physical Interactions on a Tropical Island Coral Reef. Oceanography. 26: 52-63.

104 : Poortvliet, Marloes, Gary C. Longo, Kimberly Selkoe, Paul H. Barber, Crow White, Jennifer E. Caselle, Alejandro Perez-Matus, Steven D. Gaines, and Giacomo Bernardi. 2013. Phylogeography of the California sheephead, Semicossyphus pulcher: the role of deep reefs as stepping stones and pathways to antitropicality. Ecology and Evolution 3: 4558-4571.

101 : Kober, K.M., and G. Bernardi. 2013. Phylogenomics of strongylocentrotid sea urchins. BMC Evolutionary Biology. 13:88.

100 : Bernardi, Giacomo. 2013. Speciation in Fishes. Molecular Ecology 22: 5487- 5502.

99 : von der Heyden, Sophie, Enelge Gildenhuys, Giacomo Bernardi, Rauri C.K. Bowie. 2013. Fine-scale biogeography: tidal elevation strongly affects population genetic structure and demographic history in intertidal fishes. Frontiers of Biogeography. 5: 29-38.

98 : Byrne, Rosemary, Giacomo Bernardi, and John C. Avise. 2013. Spatio-temporal genetic structure in a protected marine fish, the California grunion (Leuresthes tenuis), and relatedness in the genus Leuresthes. Journal of Heredity.104: 521-531.

97 : Levy, Andre, von der Heyden, Sophie, Floeter, Sergio R., Bernardi, Giacomo; Almada, Vitor C. 2013. Phylogeny of Parablennius Miranda Ribeiro, 1915 reveals a paraphyletic genus and recent Indo-Pacific diversification from an Atlantic ancestor. Mol. Phylog. Evol. Mol. Phylog. Evol. 67:1-8.

96 : Fricke, R. Durville, P., Bernardi, G., Borsa, P., Mou-Tham, G., and P. Chabanet. 2013. Checklist of the shore fishes of Europa Island, Mozambique Channel, southwestern Indian Ocean, including 302 new records. Stuttgarter Beiträge zur Naturkunde A, Neue Serie 6: 247-276.

95 : Bernardi G, Beldade R, Holbrook SJ, Schmitt RJ (2012) Full-Sibs in Cohorts of Newly Settled Coral Reef Fishes. PLoS ONE 7(9): e44953. doi:10.1371/ journal.pone.0044953.

94 : Ben-Tzvi, O., A. Abelson, S. D. Gaines, G. Bernardi, R. Beldade, M. S. Sheehy, G.L. Paradis, M. Kiflawi. 2012. Evidence for cohesive dispersal in the sea. PLoS ONE 7(9): e42672. doi:10.1371/ journal.pone.0042672

93 : Beldade, Ricardo, Christy A Bell, Peter T Raimondi, Maya George, Melissa Miner, and Giacomo Bernardi. 2012. Isolation and characterization of 8 novel microsatellites for the black abalone, Haliotis cracherodii, a marine gastropod decimated by the withering disease. Conservation Genetics Resources. 4:1071–1073.

92 : Bernardi, Giacomo. 2012. Fifty-Year Old and Still Ticking.... An Interview with Emile Zuckerkandl on the 50th Anniversary of the Molecular Clock. J. Mol. Evol. 74: 233-236.

91 : Jackson, A.M., Semmens, B. X. and G. Bernardi. 2012. Characterization and cross-species amplification of microsatellite markers in Nassau grouper (Epinephelus striatus). Molecular Ecology Resources 12(5): 972 - 974.

90 : Tavera JJ, Acero A, Balart EF, and Bernardi G. 2012. Molecular phylogeny of grunts (Teleostei, Haemulidae), with an emphasis on the ecology, evolution, and speciation history of New World species. BMC Evolutionary Biology 12: 57.

89 : Bernardi G., E. O. Wiley, H. Mansour, M. R. Miller, G. Orti, D. Haussler, S. J. OBrien, O. A. Ryder, and B. Venkatesh. 2012. The fishes of Genome 10K. Marine Genomics. 7: 3-6.

88 : Zahuranec, Bernard, P.K. Karuppasamy , Tooraj Valinassab, Samina Kidwai, Jeremy Bernardi, and Giacomo Bernardi. 2012. Cryptic speciation in the mesopelagic environment: Molecular phylogenetics of the lanternfish genus Benthosema. Marine Genomics. 7:7-10

87 : Golani D., and G. Bernardi. 2012. Differential invading potential among cryptic species of blotchfin dragonet, Callionymus filamentosus, a Lessepsian bioinvader. Mar. Ecol. Prog. Ser. 450: 159-166.

86 : Beldade R., S.J. Holbrook, R.J. Schmitt, S. Planes, D. Malone, and G. Bernardi. 2012. Larger female fish contribute disproportionately more to self-replenishment. Proc.Roy. Soc. London 279: 2116-2121.

85 : H.A. Lessios, S. Lockhart, R. Collin, G. Sotil, P. Sanchez-Jerez, K.S. Zigler, A.F. Perez, M.J. Garrido, L.B. Geyer, G. Bernardi, V.D. Vacquier, R. Haroun, and B.D. Kessing. 2012. Phylogeography and bindin evolution in Arbacia, a sea urchin genus with an unusual distribution. Molecular Ecology 21: 130-144.

84 : Giacomo Bernardi. 2011.The use of tools by wrasses (Labridae). Coral Reefs (in press)

83 : Thomas C. Adam, Russell J. Schmitt, Sally J. Holbrook, Andrew J. Brooks, Peter J. Edmunds, Robert C. Carpenter, Giacomo Bernardi. 2011. Herbivory, Connectivity, and Ecosystem Resilience: Response of a Coral Reef to a Large-Scale Perturbation. PLoS ONE 6(8): e23717. doi:10.1371/journal.pone.0023717

82 : Sophie von der Heyden, Rauri C.K. Bowie, Kim Prochazka, Paulette Bloomer, Nicole L. Crane, and Giacomo Bernardi. 2011. Phylogeographic patterns and cryptic speciation across oceanographic barriers in South African intertidal fishes. Journal of Evolutionary Biology 24: 2505-2519.

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80 : Poortvliet, M, Galvan-Magana, F, Bernardi, G, Croll, DA, Olsen, JL. 2011. Isolation and characterization of twelve microsatellite loci for the Japanese Devilray (Mobula japanica). Conservation Genetics Resources. 3:733-735.

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74 : Matthieu Leray, Ricardo Beldade, Sally J. Holbrook, Russell J. Schmitt, Serge Planes, and Giacomo Bernardi. 2010. Allopatric divergence and speciation in coral reef fish: the three-spot dascyllus, Dascyllus trimaculatus, species complex. Evolution 64: 1218-1230.

73 : Karen Crow, Hiroyuki Munehara, and Giacomo Bernardi. 2010. Sympatric speciation in a genus of marine reef fishes. Molecular Ecology 19: 2089-2105.

72 : Jeffrey N. Schinske, Giacomo Bernardi, David K. Jacobs, and Eric J. Routman. 2010. Phylogeography of the diamond turbot (Hypsopsetta guttulata) across the Baja California Peninsula. Marine Biology 157: 123-134.

71 : Genome 10K community of scientists. 2009. Genome 10K: A Proposal to Obtain Whole-Genome Sequence for 10 000 Vertebrate Species. Journal of Heredity 100: 659-674.

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68 : Ricardo Beldade, Peter Raimondi, Richard Cudney-Bueno, and Giacomo Bernardi. 2009. Isolation and characterization of 13 polymorphic microsatellite markers from the Gulf coney, Epinephelus acanthistius. Molecular Ecology Resources 9: 1375-1429.

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64 : Celine Reisser, Ricardo Beldade, and Giacomo Bernardi. 2009. Multiple paternity and competition in sympatric congeneric reef fishes, Embiotoca jacksoni and E. lateralis. Molecular Ecology 18, 1504-1510

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62 : Giacomo Bernardi. 2009. The name of the Father: Conflict between Louis and Alexander Agassiz, and the Embiotoca surfperch radiation. Journal of Fish Biology 74: 1049-1055.

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60 : Marloes Poortvliet, Jeanine L. Olsen, Kimberly A. Selkoe, James A. Coyer, Giacomo Bernardi. 2009. Isolation and characterization of 11 microsatellite primers for a temperate reef fish, the California sheephead (Semicossyphus pulcher). Molecular Ecology Resources 9: 429-430

59 : Matthieu Leray, Ricardo Beldade, Sally J. Holbrook, Russell J. Schmitt, Serge Planes, and Giacomo Bernardi. 2009. Isolation and characterization of 13 polymorphic nuclear microsatellite primers for the widespread Indo-Pacific three-spot damselfish, Dascyllus trimaculatus, and closely related D. auripinnis. Molecular Ecology Resources 9: 213-215

58 : Giacomo Bernardi. 2008. Isolation and characterization of 12 microsatellites from the black surfperch, Embiotoca jacksoni, a reef fish that lacks a pelagic larval phase. Molecular Ecology Resources 8: 1512-1514.

57 : Giacomo Bernardi, Yvette R. Alva-Campbell, Joao L. Gasparini, Sergio R. Floeter. 2008. Molecular ecology, speciation, and evolution of the reef fish genus Anisotremus. Molecular Phylogenetics and Evolution 48: 929-935.

56 : Martha O. Burford, and Giacomo Bernardi. 2008. Incipient speciation within a subgenus of rockfish (Sebastosomus) provides evidence of recent radiations within an ancient species flock. Marine Biology 154: 701-717.

55 : Vera S. Domingues, Markos Alexandrou, Vitor C. Almada, D. Ross Robertson, Alberto Brito, Ricardo S. Santos, and Giacomo Bernardi 2008. Tropical fishes in a temperate sea: evolution of the wrasse Thalassoma pavo and the parrotfish Sparisoma cretense in the Mediterranean and the adjacent Macaronesian and Cape Verde Archipelagos. Marine Biology 154: 465-474.

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implications for the role of selection. Biological Journal of the Linnnean Society. 91: 135-147.

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43 : Bernardi, G. 2005. Phylogeography and demography of sympatric sister species, Embiotoca jacksoni and E. lateralis along the California coast: Historical versus ecological factors. Evolution 59 386-394.

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35 : Bucciarelli, G., Bernardi, Giacomo. and Bernardi, Giorgio. 2002. An ultracentrifugation analysis of two hundred fish genomes. Gene 295: 153-162.

34 : Jones W.J., Quelvog, BD., and Bernardi, G. 2002. Morphological and genetic analysis of the Red Hills roach (Cyprinidae: Lavinia symmetricus). Conservation Genetics 3 (3): 261-276, 2002

33 : Bucciarelli, G., Golani, D., and Bernardi, G. 2002. Genetic cryptic species as biological invaders: The case of a Lessepsian fish migrant, the hardyhead silverside Atherinomorus lacunosus. J. Exp. Mar. Biol. Ecol 273:143-149.

32 : Bernardi, G., Holbrook, S.J., Schmitt, R.J., Crane, N.L., and DeMartini, E. 2002. Species boundaries, populations, and colour morphs in the coral reef three-spot damselfish (Dascyllus trimaculatus) species-complex. Proc.Roy. Soc. London 269:599-605.

31 : Planes, S., Doherty, P., and Bernardi, G. 2001. Unusual case of extreme genetic divergence in a marine fish, Acanthochromis polyacanthus, within the Great Barrier Reef and the Coral Sea. Evolution 55:2263-2273

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29 : Huang, D., and Bernardi, G. 2001. Disjunct Sea of Cortez - Pacific Ocean Gillichthys mirabilis populations and the evolutionary origin of their paedomorphic relative, Gillichthys seta. Mar. Biol. 138:421-428.

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27 : Bernardi, G., Robertson, R., Clifton, K. and Azzuro, E. 2000. Molecular Systematics, Zoography, and Evolutionary Ecology of the Atlantic Parrotfish genus Sparisoma. Mol. Phylo. Evol. 15:292-300.

26 : Terry, A., Bucciarelli, G. and Bernardi, G. 2000. Restricted Gene Flow and Incipient Speciation in Disjunct Pacific Ocean and Sea of Cortez Populations of a Reef Fish Species, Girella nigricans. Evolution 54:652-659.

25 : Bernardi, G. 2000. Barriers to gene flow in Embiotoca jacksoni, a marine fish lacking a pelagic larval stage. Evolution 54:226-237.

24 : Alesandrini, S. and Bernardi, G. 1999. Ancient species flocks and recent speciation events: What can rockfishes teach us about cichlids (and vice-versa)? J. Mol. Evol. 49:814-818.

23 : Bernardi, G. and Bucciarelli, G. 1999. Molecular phylogeny and speciation of the surfperches (Embiotocidae, Perciformes). Mol. Phylo. Evol. 13:77-81.

22 : Bernardi, G. and Crane, N. 1999. Molecular phylogeny of the Humbug Damselfishes inferred from mtDNA sequences. J. Fish Biology 54:1210-1217.

21 : Bernardi, G., Fain, S.R., Gallo-Reynoso, J.P., Figueroa-Carranza, A.L. and LeBoeuf, B.J. 1998. Genetic Variability in Guadalupe fur seals. Journal of Heredity 89:301-305.

20 : Bernardi, G. and Goswami, U. 1997. Molecular evidence for cryptic species among the Antarctic fish Trematomus bernacchii and Trematomus hansoni. Antarctic Science 9:381-385.

19 : Crow, K., Powers, D.A. and Bernardi, G. 1997. Evidence for multiple maternal contributors in nests of kelp greenling (Hexagrammos decagrammus, Hexagrammidae). Copeia 1997:9-15.

18 : Bernardi, G., Fernandez-Delgado, C., Gomez-Chiarri, M. and Powers, D.A. 1995. Origin of a Spanish population of Fundulus heteroclitus inferred by Cytochrome b sequence analysis. Journal of Fish Biology 47:737-740.

17 : Bernardi, G. and Powers, D.A. 1995. Phylogenetic relationships among nine species from the genus Fundulus (Cyprinodontiformes, Fundulidae) inferred from sequences of the cytochrome b gene. Copeia 1995:469-473.

16 : Zoubak, S., D Onofrio G., Caccio', S, Bernardi, Giacomo and Bernardi, Giorgio. 1995. Specific compositional patterns of synonymous positions in homologous mammalian genes. Journal of Molecular Evolution 40:293-307.

15 : Ben-Miled L., Dellagi K., Bernardi, G., Melrose, T.M., Darghouth, M., Bouattour, A., Kinnaird, J., Shiels, B., Tait, A. and Brown, C.G.D. 1994. Genomic and phenotypic diversity of Tunisian Theileria annulata isolates. Parasitology 51-60.

: Bernardi, G and DeVries, A.L. 1994. Cytochrome b gene sequences from two eelpouts (perciformes, zoarcidae) from McMurdo Sound (Antarctica): Implications on the antifreeze gene structure. Antarctic Journal 29:159-161. (non-)

14 : Isacchi, A., Bernardi, Giacomo and Bernardi, Giorgio. 1993. Compositional compartmentalization of the nuclear genome of Trypanosoma brucei and Trypanosoma equiperdum. FEBS Letters 181-183.

13 : Bernardi, Giacomo , D Onofrio, G., Caccio', S. and Bernardi, Giorgio. 1993. Molecular phylogeny of the bony fishes, based on the amino acid sequence of the growth hormone. Journal of Molecular Evolution 37:644-649.

12 : Bernardi, G., Sordino, P. and Powers, D.A. 1993. Concordant mitochondrial and nuclear DNA phylogenies for populations of the teleost fish Fundulus heteroclitus. Proceedings of the National Academy of Sciences, USA 90:9271-9274.

11 : Bernardi, G., Sordino, P. and Powers, D.A. 1992. Nucleotide sequence of the 18S Ribosomal Ribonucleic Acid gene from two teleosts and two sharks and their Molecular Phylogeny. Molecular Marine Biology and Biotechnology 1:187-194.

10 : Bernardi, G. and Powers, D.A. 1992. Molecular phylogeny of the prickly shark Echinorhinus cookei based on a nuclear (18S rRNA), and a mitochondrial (cytochrome b) gene. Molecular Phylogenetics and Evolution 1:161-167.

9 : Bernardi, Giacomo and Bernardi, Giorgio. 1991. Compositional properties of nuclear genes from cold-blooded vertebrates. Journal of Molecular Evolution 33:57-67.

8 : Bernardi, Giacomo and Bernardi, Giorgio. 1990. Compositional patterns in the nuclear genome of cold-blooded vertebrates. Journal of Molecular Evolution 31:265-281.

7 : Bernardi, Giacomo and Bernardi, Giorgio. 1990. Compositional transitions in the nuclear genome of cold-blooded vertebrates. Journal of Molecular Evolution 31:282-293.

6 : Guizani I., Van Eys, G., Bernardi, G., Kroon, N., Schoone, G.J., Ben-Isma_l, R. and Dellagi, K. 1990. Selection of Leishmania major nuclear DNA probes for the characterization of Leishmania strains: Application on Tunisian isolates. Bull. Soc Fr. Parasitol. 8:39.

5 : Medrano, L., Bernardi, Giacomo, Couturier, J., Dutrillaux, B. and Bernardi, Giorgio. 1988. Chromosome banding and genome compartmentalization in fishes. Chromosoma 96:178-183.

4 : Bernardi, Giorgio, Mouchiroud, D., Gautier, C. and Bernardi, Giacomo. 1988. Compositional patterns in vertebrate genomes: conservation and change in evolution. Journal of Molecular Evolution 28:7-18.

3 : Bernardi, Giorgio and Bernardi, Giacomo. 1986. Compositional constraints and genome evolution. Journal of Molecular Evolution 24:1-11.

2 : Bernardi, Giacomo, Pizon, V., Cuny, G., Haschemeyer, A. and Bernardi, Giorgio. 1986. ADN et taxonomie des poissons. Oceanis 12:377-380.

: Bernardi, Giorgio and Bernardi, Giacomo. 1986. The Human genome and its evolutionary context . Cold Spring Harbor Symp. Quant. Biol. "Molecular Biology of Homo sapiens " 51: 479-487. (non- publication)

1 : Bernardi, Giacomo and Bernardi, Giorgio. 1985. Codon usage and genome composition . Journal of Molecular Evolution 22:363-365.

Contributions to Books

10	2022	**Book Chapter:** Beldade, Ricardo, Giacomo Bernardi, Suzanne C. Mills. 2022. Anemonefish Behavior and Reproduction. In: Evolution, Development and Ecology of Anemonefishes Model Organisms for Marine Science Edited By Vincent Laudet, Timothy Ravasi INVITED
9	2017	**Book Chapter:** Crane, Nicole L., John B. Rulmal Jr., Peter A. Nelson, Michelle J. Paddack, and Giacomo Bernardi. 2017. Collaborating with indigenous citizen scientists towards sustainable coral reef management in a changing world. The One People One Reef program. In Cigliano, J.A. and Ballard, H.L. eds., 2017. Citizen Science for Coastal and Marine Conservation. Routledge. pp-197-216. INVITED
8	2015	**Book Chapter:** Eble, J., B. Bowen, G. Bernardi. 2015. Phylogeography of coral reef fishes. In: Ecology of Fishes on Coral Reefs. Camilo Mora Ed. Cambridge University Press. INVITED
7	2013	**Book Chapter:** Sebens, K. P., Bernardi G., Patterson M.R., Burkepile D. 2013. Saturation diving and underwater laboratories. In: Research and Discovery: The revolution of science through

scuba. Lang M.A., Marinelli R.L., Roberts S.J., and Taylor P.R. Eds. Pp. 39-52. Smithsonian Institution Scholarly Press.

6 2010 **Book Chapter:** Bernardi, G., D. Golani, and Azzurro, E. 2010. The genetics of Lessepsian bioinvasions. In Fish invasions of the Mediterranean Sea: Change and Renewal. D. Golani and B. Applebaum-Golani Eds. pp: 71-84. Pensoft Publishers.

5 2006 **Book Chapter:** Dawson M., R. Waples, and Bernardi G. 2006. Comparative Phylogeography of Coastal California Fishes. L. Allen, M. Horn Eds. Ecology of California Fishes.

4 1997 **Book Chapter:** Bernardi, G. 1997. Molecular phylogeny of the Fundulidae (Teleostei, Cyprinodontiformes) based on the cytochrome b gene. In: *Molecular Systematics of Fishes*. T. Kocher and C. Stepien, eds. Academic Press, San Diego, CA; pp.189-197.

3 1993 **Book Chapter:** Powers, D.A., Smith M., Gonzales-Villasenor I., DiMichele L., Crawford D., Bernardi G., and Lauerman T. 1993. A multidisciplinary approach to the selectionist/neutralist controversy using the model teleost Fundulus heteroclitus. In: *Oxford Surveys in Evolutionary Biology*, Volume 9. D. Futuyama and J. Antonovics, eds. Oxford University Press, Oxford, England; pp. 43-107

2 1989 **Book Chapter:** Bernardi, Giorgio, and Bernardi, Giacomo. 1989. Randomness and natural selection in genome evolution. In: *Molecules in Physics, Chemistry, and Biology*, IV. Jean Maruani, ed. Kluwer Academic Pubs., Norwell, MA; pp. 3-12.

1 1987 **Book Chapter:** Bernardi, Giorgio and Bernardi, Giacomo. 1987. The role of chance in genome evolution. In: *From Enzyme Adaptation to Natural Philosophy : Heritage from Jacques Monod*. E. Quagliariello, G. Bernardi, and A. Ullmann, eds. Elsevier, Amsterdam, Holland; pp. 173-185.

Critical Reviews Written for Others

2010 **Book Review:** Bernardi, G. 2010. *A Professorial Life*. By John Briggs. Frontiers of Biogeography. 2: 9-10.

2002 **Book Review:** Bernardi, G. 2002. *Meselson, Stahl, and the Replication of DNA*. by FL Holmes. Book Review. The Quarterly Review of Biology.

1995 **Book Review:** Bernardi, G. 1995. *Molecular Biology Frontiers. Biochemistry and Molecular Biology of Fishes*. Vol. 2. by P.W. Hochachka, and T.P. Mommsen. Book Review. Copeia 1995:505-506.

1994 **Book Review:** Bernardi, G. 1994. *Unraveling DNA*. by Maxim D. Frank-Kamenetskii. Book Review. The Quarterly Review of Biology 69:513.

Patents, Inventions or Copyrights

2006 **Patent:** Usha Goswami, Giacomo Bernardi, Subash Goswami, Patricia Johnson, and Robert Johnson. US Patent 7,060,434: DNA probes for Myctophid fishes. June 2006.

Other Publications

2020 **Article:** Bernardi, G. Biological invasions in the Mediterranean (in French) - Progressistes 28:11-14 INVITED

2018 **Article:** Bernardi, G. Following Alfred Russel Wallace's footsteps to Borneo, where he penned his seminal evolution paper - The Conversation - INVITED

PROFESSIONAL ACTIVITIES

Public Lecture or Forum Participation

2021 Revive and Restore / Dovetail Genomics - Banggai Cardinalfish genomics

2020 Café Scientifique - History of DNA sequencing

2019 Long Marine Laboratories: Docents Lectures

2018 Long Marine Laboratories: Docents Lectures

2018 The Brando, Tetiaroa

2017 Long Marine Laboratories: Docents Lectures

2016 Long Marine Laboratories: Docents Lectures

2016 Santa Cruz Museum of Natural History

2015 Explorer's Club, San Francisco, CA

2015 Cabrillo College Natural History Club

2015 LASER – Leonardo Art/Science Evening Rendez-Vous

2014 Ken Norris Memorial lectures, CA

2014 Café Scientifique, Menlo Park, CA

2013 Seymour Discovery Center – Sunday Lectures

2013 Packard Foundation – Palo Alto, CA

2013 Long Marine Laboratories: Docents Lectures

2012 California Academy of Sciences

2012 Monterey Bay Aquarium

2012 Café Scientifique, Menlo Park, CA

2012 Long Marine Laboratories: Docents Lectures

2011 Seymour Discovery Center – Sunday Lectures

2011 Long Marine Laboratories: Docents Lectures

2010 Exhibit at the Museum of Natural History, Pacific Grove, CA

2010 Long Marine Laboratories: Docents Lectures

2009 Long Marine Laboratories: Docents Lectures

2008 Long Marine Laboratories: Docents Lectures

2007 Long Marine Laboratories: Docents Lectures

2000 Johns Hopkins Odyssey Program - Computer Evolution workshop

2000 Seymour Discovery Center - Inauguration lectures

1998 Long Marine Laboratories: Docents Lectures

1997 Long Marine Laboratories: Docents Lectures

1996 Long Marine Laboratories: Docents Lectures

1995 Friends of Long Marine Laboratories: Public Lectures

Conferences and Meetings

2022 Speciation in Ancient Lakes - Kigoma - Tanzania

2021 International Genome Conference - Naples, Italy INVITED

2019 Gordon Research Conference, Hong Kong University of Science and Technology INVITED

2018 International Marine Conservation Congress, Borneo

2018 AGA adaptive radiations, Hawaii

2017 Indo-Pacific Fish Conference, Tahiti, French Polynesia INVITED

2013 Indo-Pacific Fish Conference, Okinawa, Japan INVITED

2011 Society for Integrative and Comparative Biology, Salt Lake City INVITED

2010 Tropical Biology and Conservation meetings, Bali, Indonesia INVITED

2009 Marine Genomics, Okinawa, Japan INVITED

2009 Western Society of Naturalists, Monterey, California INVITED

2009 Indo-Pacific Fish Conference, Perth, Australia INVITED

2007 European Ichthyological Meetings, Croatia, Plenary Lecture INVITED

2006 European Marine Genomics Workshop, Naples, Italy (2 days of lectures/lab) INVITED

2005 6th Anton Dohrn Workshop, Ischia, Italy INVITED

2005 European Marine Genomics Workshop, Naples, Italy INVITED

2004 University of the Azores – (Symposium co-organizer) INVITED

2003 Western Society of Naturalists INVITED

2003 Molecular Evolution Meetings, Naples, Italy INVITED

2002 Sorrento, Italy, Molecular Evolution meetings INVITED

2002 University of Hawaii - Ocean Sciences 2002 - INVITED

2000 Larval 2000 Meetings, UC Santa Cruz (Symposium Co-Organizer and Speaker: Tracking Marine Larvae) INVITED

1999 University of Barcelona, Barcelona, Spain INVITED

1997 International Marine Biotechnology Conference (IMBC) '97. Sorrento, Italy (invited chair) INVITED

1995 University of Alberta, Edmonton. American Society of Ichthyologists and Herpetologists INVITED

1994 University of Southern California. American Society of Ichthyologists and Herpetologists INVITED

Memberships or Activities in Professional Associations

International Society for Molecular Evolution, Founding Member

The Society for the Study of Evolution - Member

California Academy of Sciences – Fellow

Editorial Services

2008 - Present **Associate Editor:** Marine Ecology

2020 - 2022 **Associate Editor:** Journal of Biogeography

2014 - 2022 **Associate Editor:** Frontiers in Ecology and Evolution

2009 - 2022 **Associate Editor:** Conservation Genetics

2014 - 2020 **Associate Editor:** Plos ONE

2014 - 2017 **Associate Editor:** Molecular Ecology Resources

2010 - 2017 **Associate Editor:** Molecular Ecology

2002 - 2017 **Associate Editor:** Molecular Phylogenetics and Evolution

2009 - 2013 **Associate Editor:** International Journal of Evolutionary Biology

2008 - 2011 **Associate Editor:** Marine Genomics

1998 - 1999 **Associate Editor:** Molecular Marine Biology and Biotechnology

Review/Referee Grants, Proposals and Publications

1994 - Present **Proposal Review:** National Science Foundation (NSF)

1994 - Present **Proposal Review:** American Association for the Advancement of Science (AAAS)

1994 - Present **Proposal Review:** National Undersea Research Program (NURP)

1994 - Present **Proposal Review:** California Sea Grant

1994 - Present **Proposal Review:** NOAA's MARFIN program

1994 - Present **Proposal Review:** National Oceanographic Partnership Program (NOPP)

1994 - Present **Proposal Review:** Strategic Environmental Research and Development Program (SERDP)

1994 - Present **Proposal Review:** Deutsche Forschungsgemeinschaft (DFG), Germany

1994 - Present **Proposal Review:** Marsden Fund, New Zealand

1994 - Present **Proposal Review:** French Polar programs (Paul-Emile Victor)

1994 - Present **Proposal Review:** Special Fund for Research (FSR), University of Namur, Belgium

1994 - Present **Proposal Review:** Agence Nationale pour la Recherche (ANR, France)

1994 - Present **Proposal Review:** Chilean Antarctic Institute (INACH)

1994 - Present **Proposal Review:** Canada Foundation for Innovation (CFI)

1994 - Present **Proposal Review:** National Research Foundation (NRF, South Africa)

1994 - Present **Proposal Review:** Fund for Scientific Research (FNRS, Belgium)

1994 - Present **Proposal Review:** Labex Corail (France)

1992 - Present **Ad-hoc reviewer for:** Acta Ichthyologica et Piscatoria, Advanced Research in Biological Sciences, African Journal of Biotechnology, African Journal of Marine Science, American Fisheries Society Books, American Naturalist, Aquaculture, Aquatic Biology, Aquatic Invasions, ASLO, Behavioral Ecology, Biological Journal of the Linnean Society, BMC Evolutionary Biology, BMC Genomics, Bulletin of Marine Science, Canadian Journal of Fisheries and Aquatic Sciences, Chemistry and Ecology, Ciencias Marinas, Comptes Rendus Biologies, Copeia, Coral Reefs, Current Zoology, Cybium, Deep Sea Research II, Diversity, Diversity and Distributions, Ecology, Ecological Genetics and Genomics, Egyptian Journal of Aquatic Research, Environmental Biology of Fishes, Environmental DNA, Estuarine Coastal and Shelf Science, Evolution, Evolution Letters, Evolutionary Applications, Evolutionary Ecology, Fisheries Research, Fish and Fisheries, Gene, Genetica, Heredity , Hydrobiologia, ICES Journal of Marine Science, Integrative and Comparative Biology, International Journal of Molecular Sciences, Italian Journal of Zoology, Journal of Biogeography, Journal of Evolutionary Biology, Journal of Experimental Biology, Journal of Fish Biology, Journal of Heredity, Journal of Marine Biological Association of the United Kingdom, Journal of Molecular Evolution, Journal of Natural HIstory, Journal of Oceanology and Limnology, Journal of Zoological Systematics and Evolutionary Research, Marine Biodiversity, Marine Biodiversity Records, Marine Biology, Marine Biology Research, Marine Ecology, Marine Ecology Progress Series, Marine Environmental Research, Marine Genomics, Marine Life, Mediterranean Marine Science, Molecular Phylogenetics and Evolution, Molecular Biology and Evolution, Molecular Ecology, Molecular Marine Biology and Biotechnology, Nature, Nature Communications, New Zealand

Journal of Marine and Freshwater Research, Oecologia, PeerJ, PloSBiology, PloSONE, Proceedings of the National Academy of Sciences, USA., Quarterly Review of Biology, Raffles Bulletin of Zoology, Regional Studies in Marine Science, Revista de Biologia Tropical, Science, Science Advances, Southwestern Naturalist, Thalassas, Trends in Ecology and Evolution, Zookeys, Zoological Journal of the Linnean Society, Zoologica Scripta, Zoological studies, Zoology, Zootaxa

2019 Proposal review NSERC, Canada

Local, State or Federal Government Service

2022 *Ad hoc* Personnel review - Cornell University

2022 *Ad hoc* Personnel review - UC Davis

2022 *Ad hoc* Personnel review - University of Pretoria

2021 *Ad hoc* reviewer for personnel case - UCB

2021 *Ad hoc* personnel reviewer - Texas A&M

2021 *Ad hoc* reviewer - IUCN

2019 *Ad-hoc* Panelist: Génome Québec - Canada

2019 *Ad-hoc* Member*,* Keeley Coastal Scholarship Committee

2012 - 2019 Scientific Committee member for Labex Corail (consortium of coral reef research institutions)

2018 National Science Foundation Panelist -Biological Oceanography

2017 *Ad hoc* Personnel review, Stellenbosch University, South Africa

2017 *Ad hoc* Personnel review, Old Dominion University

2016 *Ad hoc* reviewer for personnel case UCSB

2016 Ad hoc reviewer - Personnel case - UCSF

2015 *Ad hoc* reviewer for personnel file EPHE, France

2015 *Ad hoc* reviewer for personnel file Stellenbosch University, South Africa

2015 *Ad-hoc* reviewer for personnel file University of Pretoria, South Africa

2012 Ad hoc reviewer for personnel file Hawaii Institute of Marine Biology

2012 Selection Committee for the Molecular Ecology Prize

2012 NESCent Workshop on Indo-Pacific Fishes, Durham, North Carolina

2010 *Ad hoc* review of personnel files: EPHE, France

2010 National Science Foundation Panelist -Biological Oceanography 16-20 May

2004 Packard Foundation Research Initiative: Northern Gulf of California Tucson, 17-18 July.

2004 National Science Foundation. US-Oman Workshop on sustainable Marine Resources. Sultan Qaboos University, Muscat, Oman. 6-11 February.

2003 National Science Foundation. Review of the "Antarctic Biology Course" USC, Catalina Island 10-13 October.

2000 Ad hoc reviewer of the journal "Marine Biotechnology"

2000 Panelist - World Wildlife Fund workshop on Marine Reserves in the Gulf of California, 14 to 16 February, Guaymas, Mexico

1999 NMFS Search Committee Member (Fish geneticist position)

1998 National Science Foundation Panelist -Biological Oceanography 18-22 May

Talks and Presentations at Colleges and Universities

2022 Moss Landing Marine Laboratories INVITED

2022 University of La Réunion INVITED

2022 Stazione Zoological Anton Dohrn, Naples, Italy INVITED

2022 Collioure International Meeting on Climate Change - St Cyprien, France INVITED

2021 University Santa Catarina, Florianopolis, Brazil INVITED

2020 Italian Congress on Marine Evolution - Keynote speaker INVITED

2019 University of Laval, Quebec, Canada INVITED

2019 Gordon Research Conference, Hong Kong University of Science and Technology INVITED

2019 Symposium - Dispersal in the marine environment. Kruger park - South Africa INVITED

2019 Hong Kong University INVITED

2019 University of New Caledonia, Nouméa INVITED

2018 Smithsonian Tropical Research Institute, Panamà INVITED

2018 University of Réunion, Réunion Island INVITED

2017 Plenary Talk, Universidad Javierana, Cali, Colombia INVITED

2017 COLEVOL meetings, Universidad del Valle, Cali, Colombia INVITED

2017 CRIOBE Station, Moorea, French Polynesia INVITED

2016 San Francisco State University, California INVITED

2015 Moss Landing Marine Laboratories, California INVITED

2014 Unione Zoologica Italiana, Venice, Italy INVITED

2014 King Abdullah University, Jeddah, Saudi Arabia INVITED

2014 CSUMB, California INVITED

2013 Kitasato University, Tokyo, Japan, Keynote lecture INVITED

2013 University of California Irvine INVITED

2012 San Diego State University INVITED

2012 Impact of marine alien and invasive species in Europe, Lecce, Italy INVITED

2012 California Academy of Sciences, San Francisco, California INVITED

2011 Biogeography and Phylogeography of Atlantic Fish, Lisbon, Portugal INVITED

2011 Santa Barbara Community College: lecture Biology Department INVITED

2010 Smithsonian Institution, Washington D.C. INVITED

2010 Cabrillo College: lecture Anthropology Department INVITED

2010 Cabrillo College: lectures Biology Department INVITED

2009 Moss Landing Marine Labs, Moss Landing, California INVITED

2009 University of Bern, Switzerland INVITED

2008 University of Palermo, Italy INVITED

2008 University of the Azores, Portugal INVITED

2007 Stanford University, Hopkins Marine Station INVITED

2007 University of California Santa Barbara INVITED

2007 University of California Merced INVITED

2005 Marine Biological Laboratories, Wood Hole INVITED

2003 University of Southern California INVITED

2003 Universita La Sapienza, Rome, Italy INVITED

2003 Universita di Ancona, Italy INVITED

2002 National Marine Fisheries, Seattle INVITED

2002 University of Delaware INVITED

2001 New Mexico State University INVITED

2000 Charles Darwin Research Station, Santa Cruz, Galapagos INVITED

2000 Monterey Bay Aquarium Research Institute (MBARI), California. INVITED

1999 Moss Landing Marine Laboratories, Moss Landing, California. INVITED

1998 Stazione Zoologica. Naples, Italy INVITED

1997 Cornell University, Shoals Marine Laboratory INVITED

1996 University of California Davis, Bodega Marine Laboratory. INVITED

1996 University of California San Diego, Scripps Institute of Oceanography. INVITED

1996 University of New Orleans. American Society of Ichthyologists and Herpetologists INVITED

Other Professional Activities

2012 - Present **Scientific Expedition and Field Work:** Yap State, Micronesia (one trip per year)

1995 - Present **Scientific Expedition and Field Work:** French Polynesia (1-2 trips per year)

1994 - Present **Scientific Expedition and Field Work:** Baja California (1-2 trips per year)

2019 **Supervising Visiting Scientist:** Mathilde Nourigat, University of La Réunion

2016 **Supervising Visiting Scientists:** Laura Gadjzjik, Université de Liege, Belgium (1 year)

2015 **Scientific Expedition and Field Work:** Ulithi, Micronesia

2015 **Supervising Visiting Scientists:** Juliette Tariel, Ecole Normale Superieure, Lyon (6 months)

2014 **Scientific Expedition and Field Work:** Red Sea, Saudi Arabia, Philippines, Micronesia

2013 **Scientific Expedition and Field Work:** Ulithi, Micronesia; Okinawa, Japan; Nosy Be, Madagascar

2013 **Supervising Visiting Scientists:** Marco Abbiati, University of Bologna, Italy 2013 (3 months)

2012 **Scientific Expedition and Field Work:** Ulithi, Micronesia

2011 **Scientific Expedition and Field Work:** Scattered Islands, Mozambique Channel, Kenya

2010 **Scientific Expedition and Field Work:** Philippines, Indonesia

2010 **Supervising Visiting Scientists:** Ana Liedke, Florianopolis, Brazil 2010 (1 year)

2009 **Scientific Expedition and Field Work:** Japan, Micronesia, Western Australia

2009 **Supervising Visiting Scientists:** José Tavera, CIBNOR, Mexico 2009 (4 months)

2009 **Supervising Visiting Scientists:** Ana Maria Millan, CIBNOR, Mexico 2009 (4 months)

2008 **Scientific Expedition and Field Work:** Mozambique, South Africa

2008 **Supervising Visiting Scientists:** Matthieu Leray, U. Paris, France 2008 (5 months)

2007 **Supervising Visiting Scientists:** Vera Domingues, ISPA, Portugal 2007 (6 months)

2007 **Supervising Visiting Scientists:** Marloes Poortvliet, University of Groningen 2007 (5 months)

2007 **Supervising Visiting Scientists:** Celine Reisser, COM,Marseille, France 2007 (4 months)

2006 **Supervising Visiting Scientists:** Jennifer Rupnow, Arizona State University 2006 (12 months)

2006 **Supervising Visiting Scientists:** Vera Domingues, ISPA, Portugal 2006 (3 months)

2006 **Supervising Visiting Scientists:** Ricardo Beldade ISPA, Portugal 2006 (3 months)

2005 **Scientific Expedition and Field Work:** Galapagos Islands

2005 **Supervising Visiting Scientists:** Vera Domingues, ISPA, Portugal 2005 (3months)

2004 **Scientific Expedition and Field Work:** Belize

2004 **Supervising Visiting Scientists:** Vera Domingues, ISPA, Portugal 2004 (3 months)

2003 - 2004 **Supervising Visiting Scientists:** Avigdor Abelson, Tel Aviv University, Israel 2003-04 (3 months)

2003 **Scientific Expedition and Field Work:** Procida, Italy

2002 **Scientific Expedition and Field Work:** Christmas Island, Kiribati

2002 **Supervising Visiting Scientists:** Faustino Camarena UABC - Ensenada, Mexico 2002 (1 week)

2001 **Scientific Expedition and Field Work:** South Africa - Namibia

2001 **Supervising Visiting Scientists:** Domenico Costagliola, University of Caserta, Italy 2001 (3 months)

2001 **Supervising Visiting Scientists:** Giuseppe Bucciarelli, Stazione Zoologica, Naples Italy 2001 (1 month)

2000 **Supervising Visiting Scientists:** Giuseppe Bucciarelli, Stazione Zoologica, Naples Italy 2000 (1 month)

2000 **Supervising Visiting Scientists:** Cécile Fauvelot, University of Perpignan, France 2000 (3 months)

1999 **Research Seminar:** (Symposium Co-Organizer and Speaker: Ecology and Evolution of Marine Organisms: From Fossils to Molecules.) INVITED

1999 **Scientific Expedition and Field Work:** Galapagos Islands

1999 **Supervising Visiting Scientists:** Serge Planes, University of Perpignan, France 1999 (3 months)

1998 **Research Seminar:** University of British Columbia, Vancouver, Canada. Evolution Meetings (session chair, and seminar) INVITED

1998 **Scientific Expedition and Field Work:** Tanzania, Zanzibar

1997 - 1998 **Supervising Visiting Scientists:** Giuseppe Bucciarelli, University of Florence, Italy 1997-98 (1 year)

1996 **Supervising Visiting Scientists:** Usha Goswami, NIO, GOA, India 1996 (4 months)

1995 **Supervising Visiting Scientists:** Elizabeth Clodi, University of Vienna 1995 (4 months)

GRANTS

2022 - 2025 Co-Principal Investigator, Assessing the potential for rapid adaptation to climate change in rockfish - California SeaGrant $360,166

2022 - 2023 Co-Principal Investigator,
Integrating novel technologies and traditional management into actionable conservation solutions: a responsive toolkit to better understand and manage critical coral reef ecosystems - Oceankind $594,625

2020 - 2023 Co-Principal Investigator, Genome sequencing of Montipora sp. - Revive and Restore $15,000

2020 - 2023 Co-Principal Investigator, Landscape & Environmental Genomics of Monkeyface prickleback (Cebidichthys violaceus) - California Conservation Genomics Project $50,000

2020 - 2023 Co-Principal Investigator, Landscape & Environmental Genomics of California Sheephead (Semicossyphus pulcher) - California Conservation Genomics Project $50,000

2020 - 2023 Principal Investigator, Landscape & Environmental Genomics of Wolly sculpin (Clinocottus analis) - California Conservation Genomics Project $30,804

2020 - 2023 Co-Principal Investigator,
Landscape & Environmental Genomics of Black Surfperch (Embiotoca jacksoni) - California Conservation Genomics Project $50,000

2017 - 2020 Co-Investigator, Outer Islands Initiative, Island Conservation $91,725

2017 - 2019 Co-Investigator, Darwin Initiative $30,804

2018 Principal Investigator, Genetic connectivity, population size and conservation of fishes of the Sea of Cortez, UCMexus $11,800

2018 Principal Investigator, UCMEXUS, Genomic Analysis of Disjunct Marine Fish Populations of the Northeastern Pacific and Sea of Cortez $11,260

2017 - 2018 Co-Principal Investigator, National Geographic $30,000

2016 - 2018 Principal Investigator, California Sea Grant - Effects of climate change induced ocean acidification and hypoxia on reproduction of rockfishes.(PI Bernardi, co-PI Scott Hamilton) $296,623

2016 - 2018 Co-Principal Investigator, Federated States of Micronesia, Yap state Outer islands fund $315,000

2015 - 2017 Principal Investigator, National Science Foundation – RAPID: Typhoon Maysak and *Montipora* coral recruitment in Micronesia. (PI Bernardi, co-PI Nicole Crane) $143,855

2015 - 2017 Co-Principal Investigator, NOAA - Saltonstall-Kennedy: Building capacity for sustainable fisheries management through science and tradition: Micronesian outer islands $193,010

2015 Principal Investigator, Committee on Research: Travel award $700

2015 Principal Investigator, Committee on Research: Ocean acidification and surfperch growth $7,500

2014 Principal Investigator, Committee on Research: Brood parasitism in damselfishes $1,500

2013 Principal Investigator, National Geographic – Brood parasitism in damselfish – $25,000

2013 Principal Investigator, Centre National de Recherche Scientifique (CNRS) – Connectivity of the Scattered Island in the Mozambique Channel. $50,000

2013 Co-Principal Investigator, National Science Foundation – RAPID: Spatial scale of flowering and seed production in *Posidonia oceanica* - the influence of clonal structure. $85,530 with Pete Raimondi.

2013 Principal Investigator, Committee on Research – Travel Award – $1,000

2012 Principal Investigator, UC_ Pacific Rim Research Program– Marine Conservation in Ulithi Atoll, Micronesia $44,670

2012 Co-Principal Investigator, California Sea Grant – Ocean acidification and olfactory changes in California rockfishes. $50,000 with S. Hamilton and S. Sogard.

2012 Principal Investigator, UC-Historically Black Colleges and Universities.- Conservation Genetics of Commercially Exploited Fishes $15,230

2012 Principal Investigator, Committee on Research – Special grant – $3,300

2011 Principal Investigator, National Science Foundation – LTER- Coral Reefs Moorea- subaward- Connectivity of Parrotfish & Anemonefish Populations as estimated by Genetic Markers. $18,000

2011 Principal Investigator, National Science Foundation _ REU - connectivity in Moorea anemonefish $4,375

2011 Principal Investigator, Centre National de Recherche Scientifique (CNRS) – Connectivity of the Scattered Island in the Mozambique Channel. $50,000

2010 Principal Investigator, Committee on Research – Special grant – $3,000

2010 Principal Investigator, Italy-Israel foundation. Genetics of Lessepsian migrants $18,000

2010 Principal Investigator, National Science Foundation – LTER- Coral Reefs Moorea- subaward- Estimates of self-recruitment in Moorea Reef Fishes. $13,500

2008 Principal Investigator, National Science Foundation – LTER- Coral Reefs Moorea- subaward- Population genetics of *Amphiprion chrysopterus* $17,000

2008 Principal Investigator, UCMEXUS – Molecular phylogeny and phylogeography of Haemulidae, Grunts, in Mexico $15,000

2008 Principal Investigator, Committee on Research – Travel Award – $1,500

2007 Principal Investigator, National Science Foundation – LTER- Coral Reefs Moorea- subaward- Population genetics of *Amphiprion chrysopterus* $50,000

2007 Co-Principal Investigator, Institute of Marine Science / Packard: Paternity analysis and mating fitness in kelp greenling. (with Jan Freiwald) $20,000

2006 Principal Investigator, National Science Foundation – LTER- Coral Reefs Moorea- subaward- Paternity analysis of *Amphiprion chrysopterus* $20,000

2006 Co-Principal Investigator, Office of the President (UCOP): Population Connectivity of Coastal Fishery Species across

the California-Mexico International Border (with Steve Gaines and Rick Grosberg) $300,329

2005 Principal Investigator, Committee on Research Special grant – $4,500

2005 Principal Investigator, Committee on Research – Travel Award – $1,000

2005 Co-Principal Investigator, Packard Foundation: Small-Scale Fisheries in the Upper Gulf of California, Mexico: Linking Human and Biophysical Processes (with Pete Raimondi) $293,616

2005 Principal Investigator, National Science Foundation – LTER- Coral Reefs Moorea- subaward- recruitment dynamics of *Dascyllus trimaculatus* $20,000

2005 Co-Principal Investigator, Institute of Marine Science / Packard: Population genetics of pre and post infection populations of black abalone. (with Pete Raimondi) $20,000

2005 Co-Principal Investigator, IMS – Packard Funds. Population genetics of black abalone (with Pete Raimondi) $22,000

2004 Principal Investigator, National Science Foundation – LTER- Coral Reefs Moorea- subaward- recruitment dynamics of fishes in Moorea $20,000

2002 Principal Investigator, National Science Foundation - International Programs- Population genetics of a myctophid fish from the Arabian Sea $20,000

2002 Principal Investigator, UCSC Committee on Research Faculty Travel Award. $500

2002 Principal Investigator, Relationships between growth and genetics in surfperches $1,000

2001 Principal Investigator, National Science Foundation – International Programs- Travel Grant – The Cape of Good Hope region as a model to understand marine speciation – (INT – 0117358) $5,900

2001 Principal Investigator, Genetics of fish populations across the Cape of Good Hope $1,500

2001 Co-Principal Investigator, UCMEXUS - Population genetics of a Baja California Sur endemic desert fish, the San Ignacio killifish Fundulus lima. (with Gorgonio Ruiz) $15,000

2000 Principal Investigator, Committee on Teaching Award - Bio 176/176L. $1,360

2000 Principal Investigator, UCMEXUS - Genetic diversity of an isolated population of striped surfperch at Punta Banda, Baja California norte. $1,000

2000 Co-Principal Investigator, MRIF - A Molecular Approach to the Study of Larval Life History in a Coral Reef Fish. (with S. Holbrook and R. Schmitt). $18,000

2000 Principal Investigator, Genetics of an isolated population of Striped surfperch, *Embiotoca lateralis*. $1,500

2000 Principal Investigator, UCSC Committee on Research Faculty Travel Award. $300

1999 Principal Investigator, Committee on Teaching Award - Bio 137/137L. $1,300

1999 Principal Investigator, General Non-Tenured Faculty Development Award. - Biogeography of Eastern Pacific Fishes. $4,880

1999 Principal Investigator, UCSC Committee on Research Award. - Population structure and larval dispersal in a coral reef fish: *Dascyllus strasburgi*. $2,000

1999 Principal Investigator, UCSC Committee on Research Faculty Travel Award. $1,000

1998 Principal Investigator, UCMEXUS - Baja California biogeography and the genetic variability of disjunct fish populations. $1,000

1998 Principal Investigator, General Non-Tenured Faculty Development Award. - Biogeography of Tropical Pacific Fishes. $4,430

1998 Principal Investigator, UCSC Committee on Research Award, California Reef Fishes Population Genetics. $1,500

1998 Principal Investigator, UCSC Committee on Research Faculty Travel Award. $500

1998 Principal Investigator, UCMEXUS - Genetic diversity of the Sea of Cortez Fishes and the Origin of Disjunct Populations. $10,000

1998 Principal Investigator, Committee on Teaching Award - Bio 137/137L. $1,000

1997 Principal Investigator, General Non-Tenured Faculty Development Award. Population structure of Coral Reef Fishes. $4,080

1997 Principal Investigator, Genetic Resources Conservation Program - Death Valley Pupfish Genetic Conservation. $1,800

1997 Co-Principal Investigator, Faculty Improvement Grant (with Pete Raimondi). Bio 162/162L. $4,000

1997 Principal Investigator, UCSC Committee on Research Award, French Polynesia Coral Reef Fishes Recruitment. $1,563

1996 Co-Principal Investigator, Committee on Teaching Award (Bio 152/152L, with P. Raimondi). $1,000

1996 Principal Investigator, Committee on Teaching Award - Bio 172/172L. $1,000

1996 Principal Investigator, Office of Naval Research - Indo-American Program. Myctophid molecular phylogenetics. Post-Doctoral salary + running costs - 4 months

1996 Principal Investigator, UCSC Committee on Research Award, Population structure of two northeastern pacific teleosts. $1,600

1996 Principal Investigator, UCSC Committee on Research Faculty Travel Award. $500

1995 Co-Principal Investigator, Blakey Travel Award (Bio 152/152L, with John Pearse). $500

1995 Principal Investigator, UCSC Committee on Research Award, Efficiency of a protected area in the Monterey Bay. $1,200

1995 Principal Investigator, UCSC Committee on Research Faculty Travel Award. $500

1994 Principal Investigator, National Science Foundation Award - Adaptations of Antarctic Organisms to Extreme Environments. - Course participant

1994 Principal Investigator, UCSC Committee on Research Faculty Travel Award. $500

1994 Principal Investigator, UCSC Committee on Research Award, Genetic Diversity of Antarctic Fishes. $1,500

UNIVERSITY SERVICE

Academic Senate Service

2014 - Present IACUC (Animal Care) Committee - Member

2020 Ad-hoc committee - Personnel action

2013	Ad hoc Committee – Personnel Action - Chair
2010 - 2013	Committee on International Education - Chair
2009 - 2010	Committee on International Education - Member

Service to the Division

1998 - Present	Diving Control Board - Faculty representative
1996 - 1998	Diving Control Board - Chair
1995	ETOX Search Committee
1994 - 1995	Diving Control Board - Faculty representative

Service to the Department

2011 - Present	Safety Committee (member) EEB
2022	Behavioral Ecologist Search Committee - interim member
2021 - 2022	Evolutionary Biologist Search Committee (member)
2020 - 2022	IDEA committee (co-chair)
2011 - 2016	GAC committee (chair) EEB
2005 - 2011	GAC committee (member) EEB
2007	Plant Evolutionary Biologist Search Committee EEB
2004 - 2005	Winter seminars EEB
2001 - 2002	Fall Seminars EEB
1999 - 2000	Department Representative Biology
1997 - 1999	Curriculum Committee Biology
1996 - 1997	Marine Ecologist Search Committee Biology
1996 - 1997	Curriculum Committee Biology
1996 - 1997	Personnel Committee Biology
1995 - 1996	Biology Graduate Advisory Committee Biology
1995 - 1996	Biology ad hoc Personnel Committee
1995 - 1996	GAANN Fellowships Committee Biology
1995 - 1996	Toxicologist Search Committee Biology
1995 - 1996	OPB Seminar Series Committee - Fall, Biology
1995 - 1996	Fundraising Seminar for LML, Biology
1994 - 1995	Biology Graduate Advisory Committee
1994 - 1995	GAANN Fellowships Committee, Biology

1994 - 1995 OPB Invertebrate Zoologist Search Committee, Biology

1994 - 1995 OPB Seminar Series Committee, Biology

Service to the University

2021 - Present UC Gump South Pacific Research Station Advisory Committee (UCSC representative)

2021 Koret Award Scholarship Committee

2018 - 2021 UC Gump South Pacific Research Station transition committee (UCSC representative)

2013 Ad hoc committee – EAP Italy program

2013 Ad hoc committee – EAP Costa Rica program

2012 - 2013 Committee on International Education – Vice-chair

2010 - 2012 Committee on International Education – UCSC representative

2002 UCR - Panelist for UCMEXUS

Other Service to the Campus

2013 Sponsorship and Involvement in Minority Students Programs: Avian Lain*, HBCU, Aneese Williams*, HBCU; Jorge de la Rosa*, IMSD, Jennifer Liberto*, UCLEADS (*awards received or papers published or presented)

2012 Sponsorship and Involvement in Minority Students Programs: Frank Leon*, Gerardo Perez*, IMSD (*awards received or papers published or presented)

2009 Sponsorship and Involvement in Minority Students Programs: Jose Lopez, UCLEADS

2004 - 2009 IMS Advisory board

2008 Sponsorship and Involvement in Minority Students Programs: Jordan Rex, MBRS

2006 Sponsorship and Involvement in Minority Students Programs: Sunny Singh, ACCESS

2004 Sponsorship and Involvement in Minority Students Programs: Frances Karg*, ACCESS; Shawnte Watson, ACCESS (*awards received or papers published or presented)

2000 Sponsorship and Involvement in Minority Students Programs: Mary Myers, ACCESS; Gina Orlando, ACCESS

1999 Sponsorship and Involvement in Minority Students Programs: Coleson Bruce*, ACCESS (*awards received or papers published or presented)

1998 Sponsorship and Involvement in Minority Students Programs: David Huang*, MIRT (*awards received or papers published or presented)

K-12 Outreach

2013 Career Forum, Pacific Collegiate School, Santa Cruz, CA

2012 Career Forum, MtMadonna School, Watsonville, CA

Other Outreach

1996 - 2002 Monterey Bay National Marine Sanctuary: Research Advisory Panel (RAP) - UCSC Representative

MENTORING AND STUDENT ADVISING

Postdoctoral Scholars

Dates	Relationship	Degree Year	Name and Activities
2018 - 2020	Primary Supervisor		Filip Huyghes
2007 - 2009	Primary Supervisor		Ricardo Beldade

Doctoral Students

Dates	Relationship	Degree Year	Name and Activities
2022 - Present	Primary Supervisor		Eric Witte
2022 - Present	Primary Supervisor		Shinji Yamamoto
2020 - Present	Primary Supervisor		Allyson Sawkins
2017 - Present	Primary Supervisor		Cerise Chen
2018 - 2022	Primary Supervisor	2022	Daniel Wright

2015 - 2022	Primary Supervisor	2022	Remy Gatins
2015 - 2022	Primary Supervisor	2022	May Roberts
2013 - 2018	Primary Supervisor	2018	Eric Garcia
2010 - 2017	Primary Supervisor	2017	Gary Longo
2008 - 2014	Primary Supervisor	2014	Alexis Jackson
2008 - 2014	Primary Supervisor	2014	Kimberly Tenggardjaja
2007 - 2014	Primary Supervisor	2014	Jimmy O'Donnell
2005 - 2011	Primary Supervisor	2011	Yvette Alva
2000 - 2007	Primary Supervisor	2007	Marina Ramon
1997 - 2004	Primary Supervisor	2004	Jonna Engel
1996 - 2003	Primary Supervisor	2003	Karen Crow
1997 - 2001	Primary Supervisor	2001	W. Joseph Jones
2017 - 2022	Co Supervisor	2022	Jacob Winnikoff
2016 - 2022	Co Supervisor	2022	Jason Toy
2012 - 2017	Co Supervisor	2017	Hudson Pinheiro
2011 - 2017	Co Supervisor	2017	Eva Salas
2013 - 2015	Co Supervisor	2015	Ana Liedke - U. Florianopolis
2012 - 2014	Co Supervisor	2014	Jose Tavera - U. of La Paz
2006 - 2012	Co Supervisor	2012	Kord Kober
2005 - 2007	Co Supervisor	2007	Vera Domingues

2001 - 2007	Co Supervisor	2007	Martha Burford

1994 - Present | Other Advisor | Off Campus Committees

1994 - Present	Students Supervised - Katherine Cure, Ph.D. University of Western Australia Kerry Reid, PhD, University of Pretoria, South Africa Vaimiti Dubousquet, Ph.D., Criobe, Moorea, French Polynesia Belinda Swart, Ph.D., Stellenbosch University, South Africa Hugo Harrison, Ph.D., James Cook University, Townsville, Australia;Emadch Beck, Ph.D, James Cook University, Townsville, Australia Pablo Saenz, Ph.D. EPHE, Perpignan, France; Vanessa Messmer, James Cook University, Townsville, Australia Richard Edmunds, Ph.D. James Cook University, Townsville, Australia José Tavera, Ph.D., CIBNOR, La Paz, Mexico Cécile Gaspar, Ph.D, Papeete, French Polynesia Vera Domingues, Ph.D, Azores, Portugal Matt Knope, M.Sc. SFSU Anthony Hickey, Ph.D., New Zealand Sigal Shefer Ph.D., Israel Vicente Cassano, Ph.D., UCLA

1994 - Present | Other Advisor | Wendy Cover

1994 - Present	Pre-Qualifying Exam Committee (Comp Exam)

1994 - Present | Other Advisor | William Henry

1994 - Present	Thesis Committee

1994 - Present | Other Advisor | Rebecca Jacobs

1994 - Present	Thesis Committee

1994 - Present | Other Advisor | Brian Ort

1994 - Present	Thesis Committee

1994 - Present	Other Advisor	Rudy Ortiz
	1994 - Present	Thesis Committee
1994 - Present	Other Advisor	Rudy Ortiz
	1994 - Present	Qualifying Exam Committee (Proposal Exam)
1994 - Present	Other Advisor	Amy Ritter
	1994 - Present	Thesis Committee
2004	Other Advisor	Lesley Lancaster
	2004	Pre-Qualifying Exam Committee (Comp Exam)
2004	Other Advisor	C. Robie Young
	2004	Qualifying Exam Committee (Proposal Exam) Chair
2003	Other Advisor	Gregorio Benavides
	2003	Pre-Qualifying Exam Committee (Comp Exam)
2003	Other Advisor	Martha Burford
	2003	Pre-Qualifying Exam Committee (Comp Exam)
2003	Other Advisor	Rebecca Johnson
	2003	Pre-Qualifying Exam Committee (Comp Exam)
2003	Other Advisor	Marina Ramon
	2003	Qualifying Exam Committee (Proposal Exam) Chair
2001	Other Advisor	Stacy Jupiter
	2001	Pre-Qualifying Exam Committee (Comp Exam)
2001	Other Advisor	Marina Ramon
	2001	Pre-Qualifying Exam Committee (Comp Exam)
1994	Other Advisor	Jon Ashen
	1994 - Present	Thesis Committee
1994	Other Advisor	Karen D. Crow

		1994 - Present	Pre-Qualifying Exam Committee (Comp Exam)
1994	Other Advisor		Julio Harvey
		1994 - Present	Qualifying Exam Committee (Proposal Exam) Chair
		1994 - Present	Thesis Committee

Masters Students

Dates	Relationship	Degree Year	Name and Activities
2008	Primary Supervisor		Matthieu Leray
		2008	International Student and University
2007	Primary Supervisor		Celine Reisser
		2007	International Student and University
2001	Primary Supervisor		Gregorio Benavides
1995 - 1997	Primary Supervisor	1997	Stian Alesandrini
1995 - 1997	Primary Supervisor	1997	Astrid Terry
2008	Co Supervisor	2008	Marloes Poortvliet
		2008	International Student and University
1994 - Present	Other Advisor		Michelle Paddack
		1994 - Present	Thesis Committee
1994 - Present	Other Advisor		Matt Schoelting
		1994 - Present	Thesis Committee
1994 - Present	Other Advisor		Icarus Solem

1994 - Present Thesis Committee

1994 - 2015 Other Advisor

Off Campus Committees

1994 - Present Students Supervised - Daniel Wright, MSc, University of Cape Town, South Africa;Scott Toews, MSc., CSUMB;AnaMaria Millan, M.Sc, CIBNOR, La Paz, Mexico;Marloes Poortvliet, M.Sc., University of Groningen, Netherlands;Céline Reisser, M. Sc. COM, Marseille, France;Carel Oosthuizen , M. Sc. South Africa

Undergraduate Students

Dates	Relationship	Degree Year	Name and Activities
2013	Primary Supervisor		Undergraduate Research (Senior Theses)
2013	Primary Supervisor	2013	Jorge de la Rosa
2013	Primary Supervisor	2013	Avian Lain
2013	Primary Supervisor	2013	Jennifer Liberto
2013	Primary Supervisor	2013	Aneese Williams
2012	Primary Supervisor		Undergraduate Research (Senior Theses)
2012	Primary Supervisor	2012	Frank Leon
2012	Primary Supervisor	2012	Kathryn McConnell
2012	Primary Supervisor	2012	Gerardo Perez
2012	Primary Supervisor	2012	Hannah Williams
2009	Primary Supervisor		Undergraduate Research (Senior Theses)

2009 Senior Thesis Committee - Debbie, Wes

2008 Primary Supervisor Undergraduate Research (Senior Theses)

2008 Senior Thesis Committee - Gary Longo, Jessica Holsman* - *awards received or papers published or presented

2007 Primary Supervisor Undergraduate Research (Senior Theses)

2007 Senior Thesis Committee - Kent Kreis*, Joshua Miller* - *awards received or papers published or presented

2006 Primary Supervisor Undergraduate Research (Senior Theses)

2006 Senior Thesis Committee - Sunny Singh, Joshua Miller

2004 Primary Supervisor Undergraduate Research (Senior Theses)

2004 Senior Thesis Committee - Frances Karg*, Shawnte Watson - *awards received or papers published or presented

2003 Primary Supervisor Undergraduate Research (Senior Theses)

2003 Senior Thesis Committee - Diane Churchill

2002 Primary Supervisor Undergraduate Research (Senior Theses)

2002 Senior Thesis Committee - Brian Karas, Alona Kvitty

2001 Primary Supervisor Undergraduate Research (Senior Theses)

2001 Senior Thesis Committee - Floris deJong, Nicole Inokuchi

2000 Primary Supervisor Undergraduate Research (Senior Theses)

2000 Senior Thesis Committee - Chad Hanson*, Morgan Bond*, Megan Williams - *awards received or papers published or presented

1999 Primary Supervisor Undergraduate Research (Senior Theses)

1999 Senior Thesis Committee - Matthew Knope*, Jesse Wernick*, Lauren Garske*, Diane Lee, Derek Smith, Michele Buckhorn* - *awards received or papers published or presented

1998 Primary Supervisor Undergraduate Research (Senior Theses)

1998 Senior Thesis Committee - Scott Contini, Jason Felton, Susan Toy*, Sebastian Barneby*, David Huang* - *awards received or papers published or presented

1997 Primary Supervisor Undergraduate Research (Senior Theses)

1997 Senior Thesis Committee - Andreas Svensson, Jared Figurski, Dawn Franklin, Scot Lucas

1996 Primary Supervisor Undergraduate Research (Senior Theses)

1996 Senior Thesis Committee - Christopher Pincetich, Kathleen Reaugh

1995 Primary Supervisor Undergraduate Research (Senior Theses)

1995 Senior Thesis Committee - Sheva Nickravesh, Michael L'Annunziata

1994 Primary Supervisor Undergraduate Research (Senior Theses)

1994 Senior Thesis Committee - Torea Bent-VanEvery, Terence Lee*, Robyn Bauer*, Cindi Ledbetter*, Stian Alesandrini* - *awards received or papers published or presented

2008 Other Advisor Jessica Holsman

2008 Undergraduate research / Community College Student

2006 Other Advisor Sunny Singh

2006 Undergraduate research / Community College Student

2004 Other Advisor Frances Karg

2004 Undergraduate research / Community College Student

TEACHING

2022-2023
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Summer	BIOE 299A - 03 - Thesis Research	5	1		100	
Fall	BIOE 159B - 01 - Fld Qtr:Ichthyology	5	27	21	100	
Fall	BIOE 159C - 01 - Fld Qtr:Field Ecolo	5	25		33	
Fall	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Fall	BIOE 297A - 01 - Independent Study	5	2		100	
Fall	BIOE 297B - 01 - Independent Study	10	1		100	
Fall	BIOE 299C - 01 - Thesis Research	15	1		100	

2021-2022
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Summer	ENVS 083 - 02 - Internship	5	1		100	
Fall	BIOE 127 - 01 - Ichthyology	5	105	33	100	
Fall	BIOE 127L - 01 - Ichthyology Lab	2	25	32	100	
Fall	BIOE 127L - 02 - Ichthyology Lab	2	26	27	100	
Fall	BIOE 127L - 03 - Ichthyology Lab	2	26	19	100	
Fall	BIOE 127L - 04 - Ichthyology Lab	2	28	21	100	
Fall	BIOE 281B - 01 - Molecular Evolution	2	5		100	
Fall	BIOE 297C - 01 - Independent Study	15	1		100	
Fall	BIOE 299B - 01 - Thesis Research	10	1		100	
Fall	BIOE 299C - 01 - Thesis Research	15	3		100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Winter	BIOE 297C - 01 - Independent Study	15	1		100	
Winter	BIOE 299B - 01 - Thesis Research	10	1		100	
Winter	BIOE 299C - 01 - Thesis Research	15	1		100	
Winter	ENVS 083 - 03 - Internship	5	1		100	
Winter	ENVS 083 - 04 - Internship	5	1		100	
Winter	ENVS 183 - 03 - Envs Stu Internship	5	1		100	

Spring	BIOE 195 - 01 - Senior Thesis	5	1		100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Spring	BIOE 297B - 01 - Independent Study	10	1		100	
Spring	BIOE 297C - 01 - Independent Study	15	1		100	
Spring	BIOE 299C - 01 - Thesis Research	15	2		100	

2020-2021
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOE 127 - 01 - Ichthyology	5	96	40	100	
Fall	BIOE 127L - 01 - Ichthyology Lab	2	25		100	
Fall	BIOE 127L - 02 - Ichthyology Lab	2	25		100	
Fall	BIOE 127L - 03 - Ichthyology Lab	2	22		100	
Fall	BIOE 127L - 04 - Ichthyology Lab	2	23		100	
Fall	BIOE 183L - 01 - Undergrad Res: EEB	3	1		100	
Fall	BIOE 281B - 01 - Molecular Evolution	2	6		100	
Fall	BIOE 297A - 01 - Independent Study	5	1		100	

Fall	BIOE 297B - 01 - Independent Study	10	1		100	
Fall	BIOE 297C - 01 - Independent Study	15	1		100	
Fall	BIOE 299C - 01 - Thesis Research	15	3		100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	5		100	
Winter	BIOE 297C - 01 - Independent Study	15	2		100	
Winter	BIOE 299B - 01 - Thesis Research	10	1		100	
Winter	BIOE 299C - 01 - Thesis Research	15	1		100	
Spring	BIOE 109 - 01 - Evolution	5	131	17	100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	5		100	
Spring	BIOE 297A - 01 - Independent Study	5	1		100	
Spring	BIOE 297B - 01 - Independent Study	10	1		100	
Spring	BIOE 297C - 01 - Independent Study	15	1		100	
Spring	BIOE 299C - 01 - Thesis Research	15	3		100	
Spring	ENVS 083 - 23 - Internship	5	1		100	
Spring	ENVS 184 - 20 - Envs Stu Internship	2	1		100	

2019-2020
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOE 127 - 01 - Ichthyology	5	100	47	100	
Fall	BIOE 127L - 01 - Ichthyology Lab	2	27	33	100	
Fall	BIOE 127L - 02 - Ichthyology Lab	2	23	26	100	
Fall	BIOE 127L - 03 - Ichthyology Lab	2	28	43	100	
Fall	BIOE 127L - 04 - Ichthyology Lab	2	22	17	100	
Fall	BIOE 281B - 01 - Molecular Evolution	2	5		100	
Fall	BIOE 297C - 01 - Independent Study	15	3		100	
Fall	BIOE 299C - 01 - Thesis Research	15	2		100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	5		100	
Winter	BIOE 297B - 01 - Independent Study	10	1		100	
Winter	BIOE 297C - 01 - Independent Study	15	1		100	
Winter	BIOE 299C - 01 - Thesis Research	15	3		100	
Spring	BIOE 109 - 01 - Evolution	5	158	30	100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	5		100	
Spring	BIOE 297C - 01 - Independent Study	15	1		100	
Spring	BIOE 299C - 01 - Thesis Research	15	4		100	

2018-2019
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOE 159A - 01 - Fld Qtr:Marine Ecol	5	29	14	50	
Fall	BIOE 159B - 01 - Fld Qtr:Ichthyology	5	29	10	33	
Fall	BIOE 159C - 01 - Fld Qtr:Field Ecolo	5	29	10	33	
Fall	BIOE 159E - 01 - Fld Qtr:Behav Ecol	5	29	3	33	
Fall	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Fall	BIOE 297B - 01 - Independent Study	10	1		100	
Fall	BIOE 297C - 01 - Independent Study	15	3		100	
Fall	BIOE 299C - 01 - Thesis Research	15	2		100	
Winter	BIOE 109 - 01 - Evolution	5	141	46	100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	5	20	100	
Winter	BIOE 297B - 01 - Independent Study	10	1		100	
Winter	BIOE 297C - 01 - Independent Study	15	3		100	
Winter	BIOE 299B - 01 - Thesis Research	10	1		100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	3		100	
Spring	BIOE 297A - 01 - Independent Study	5	1		100	

Spring	BIOE 297B - 01 - Independent Study	10	1		100	
Spring	BIOE 297C - 01 - Independent Study	15	2		100	
Spring	BIOE 299C - 01 - Thesis Research	15	1		100	

2017-2018
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Fall	BIOE 297A - 01 - Independent Study	5	1		100	
Fall	BIOE 297C - 01 - Independent Study	15	4		100	
Fall	BIOE 299A - 01 - Thesis Research	5	1		100	
Fall	BIOE 299B - 01 - Thesis Research	10	1		100	
Winter	BIOE 109 - 01 - Evolution	5	134	44	100	
Winter	BIOE 127 - 01 - Ichthyology	5	121	53	100	
Winter	BIOE 127L - 01 - Ichthyology Lab	2	31		100	
Winter	BIOE 127L - 02 - Ichthyology Lab	2	29		100	
Winter	BIOE 127L - 03 - Ichthyology Lab	2	30		100	
Winter	BIOE 127L - 04 - Ichthyology Lab	2	30		100	

Winter	BIOE 281B - 01 - Molecular Evolution	2	5		100	
Winter	BIOE 297A - 01 - Independent Study	5	1		100	
Winter	BIOE 297C - 01 - Independent Study	15	3		100	
Winter	BIOE 299C - 01 - Thesis Research	15	1		100	
Winter	ENVS 183 - 26 - Envs Stu Internship	5	1		100	
Winter	ENVS 183A - 27 - Senior Internship	5	1		100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Spring	BIOE 297A - 01 - Independent Study	5	1		100	
Spring	BIOE 297B - 01 - Independent Study	10	1		100	
Spring	BIOE 297C - 01 - Independent Study	15	3		100	
Spring	BIOE 299C - 01 - Thesis Research	15	1		100	
Spring	ENVS 183B - 04 - Senior Internship	5	1		100	

2016-2017
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOE 159A - 01 - Fld Qtr:Marine Ecol	5	32	56	50	

Fall	BIOE 159B - 01 - Fld Qtr:Ichthyology	5	32		50	
Fall	BIOE 159C - 01 - Fld Qtr:Field Ecolo	5	32		50	
Fall	BIOE 159D - 01 - Fld Qtr:Fld Eco Lab	5	31		50	
Fall	BIOE 281B - 01 - Molecular Evolution	2	6		100	
Fall	BIOE 297A - 01 - Independent Study	5	1		100	
Fall	BIOE 297C - 01 - Independent Study	15	2		100	
Fall	BIOE 299A - 01 - Thesis Research	5	1		100	
Fall	BIOE 299C - 01 - Thesis Research	15	2		100	
Winter	BIOE 109 - 01 - Evolution	5	165	45	100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	7		100	
Winter	BIOE 297A - 01 - Independent Study	5	1		100	
Winter	BIOE 297B - 01 - Independent Study	10	1		100	
Winter	BIOE 297C - 01 - Independent Study	15	2		100	
Winter	BIOE 299B - 01 - Thesis Research	10	1		100	
Spring	BIOE 193 - 01 - Indep Research/EEB	5	1		100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Spring	BIOE 295 - 01 - Adv EEB Seminar	0	12	50	100	

Spring	BIOE 297A - 01 - Independent Study	5	1		100	
Spring	BIOE 297C - 01 - Independent Study	15	3		100	
Spring	BIOE 299A - 01 - Thesis Research	5	1		100	
Spring	BIOE 299B - 01 - Thesis Research	10	1		100	
Spring	ENVS 183 - 24 - Envs Stu Internship	5	1		100	

2015-2016
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOE 109 - 01 - Evolution	5	211	44	100	
Fall	BIOE 127 - 01 - Ichthyology	5	119	43	100	
Fall	BIOE 127L - 01 - Ichthyology Lab	2	24		100	
Fall	BIOE 127L - 02 - Ichthyology Lab	2	24		100	
Fall	BIOE 127L - 03 - Ichthyology Lab	2	23		100	
Fall	BIOE 127L - 04 - Ichthyology Lab	2	24		100	
Fall	BIOE 127L - 05 - Ichthyology Lab	2	24		100	
Fall	BIOE 281B - 01 - Molecular Evolution	2	5		100	
Fall	BIOE 297A - 01 - Independent Study	5	1		100	

Fall	BIOE 297C - 01 - Independent Study	15	1		100	
Fall	BIOE 299C - 01 - Thesis Research	15	3		100	
Fall	ENVS 184 - 20 - Envs Stu Internship	2	1		100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	6		100	
Winter	BIOE 297B - 01 - Independent Study	10	1		100	
Winter	BIOE 297C - 01 - Independent Study	15	2		100	
Winter	BIOE 299C - 01 - Thesis Research	15	2		100	
Spring	BIOE 183L - 01 - Undergrad Res: EEB	3	1		100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	6		100	
Spring	BIOE 295 - 01 - Adv EEB Seminar	0	6	33	100	
Spring	BIOE 297C - 01 - Independent Study	15	3		100	
Spring	BIOE 299B - 01 - Thesis Research	10	1		100	
Spring	BIOE 299C - 01 - Thesis Research	15	2		100	
Spring	ENVS 183 - 24 - Envs Stu Internship	5	1		100	

2014-2015
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOE 159A - 01 - Fld Qtr:Marine Ecol	5	30	43	50	
Fall	BIOE 159B - 01 - Fld Qtr:Ichthyology	5	30	40	50	
Fall	BIOE 159C - 01 - Fld Qtr:Field Ecolo	5	30	47	50	
Fall	BIOE 159D - 01 - Fld Qtr:Fld Eco Lab	5	26	42	50	
Fall	BIOE 195 - 01 - Senior Thesis	5	1		100	
Fall	BIOE 281B - 01 - Molecular Evolution	2	3		100	
Fall	BIOE 297B - 01 - Independent Study	10	1		100	
Fall	BIOE 297C - 01 - Independent Study	15	1		100	
Fall	BIOE 299C - 01 - Thesis Research	15	2		100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	3		100	
Winter	BIOE 297B - 01 - Independent Study	10	1		100	
Winter	BIOE 297C - 01 - Independent Study	15	1		100	
Winter	BIOE 299B - 01 - Thesis Research	10	1		100	
Winter	BIOE 299C - 01 - Thesis Research	15	1		100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Spring	BIOE 297C - 01 - Independent Study	15	2		100	

Spring	BIOE 299C - 01 - Thesis Research	15	2		100	

2013-2014
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOE 127 - 01 - Ichthyology	5	131	48	100	
Fall	BIOE 127L - 03 - Ichthyology Lab	2	27		100	
Fall	BIOE 127L - 04 - Ichthyology Lab	2	27		100	
Fall	BIOE 281B - 01 - Molecular Evolution	2	7		100	
Fall	BIOE 297C - 01 - Independent Study	15	2		100	
Fall	BIOE 299C - 01 - Thesis Research	15	4		100	
Fall	ENVS 184 - 27 - Envs Stu Internship	2	1		100	
Winter	BIOE 159D - CBP - Fld Qtr:Fld Eco Lab	5	1		100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	6		100	
Winter	BIOE 297C - 01 - Independent Study	15	2		100	
Winter	BIOE 299C - 01 - Thesis Research	15	5		100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	5		100	

Spring	BIOE 297C - 01 - Independent Study	15	2		100	
Spring	BIOE 299A - 01 - Thesis Research	5	1		100	
Spring	BIOE 299C - 01 - Thesis Research	15	3		100	

2012-2013
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Summer	BIOE 297A - 01 - Independent Study	5	1		100	
Summer	BIOE 299A - 01 - Thesis Research	5	2		100	
Fall	BIOE 159A - 01 - Fld Qtr:Marine Ecol	5	30		100	
Fall	BIOE 159C - 01 - Fld Qtr:Field Ecolo	5	30		100	
Fall	BIOE 281B - 01 - Molecular Evolution	2	5		100	
Fall	BIOE 297A - 01 - Independent Study	5	1		100	
Fall	BIOE 297C - 01 - Independent Study	15	2		100	
Fall	BIOE 299C - 01 - Thesis Research	15	3		100	
Winter	BIOE 182F - 01 - Explore Research EEB	2	1		100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	7		100	

Winter	BIOE 295 - 03 - Adv EEB Seminar	0	4		100	
Winter	BIOE 297B - 01 - Independent Study	10	3		100	
Winter	BIOE 297C - 01 - Independent Study	15	2		100	
Winter	BIOE 299C - 01 - Thesis Research	15	2		100	
Spring	BIOE 159A - 01 - Fld Qtr:Marine Ecol	5	15		50	
Spring	BIOE 159B - 01 - Fld Qtr:Ichthyology	5	15		50	
Spring	BIOE 159C - 01 - Fld Qtr:Field Ecolo	5	15		50	
Spring	BIOE 159D - 01 - Fld Qtr:Fld Eco Lab	5	14		50	
Spring	BIOE 281B - 01 - Molecular Evolution	2	7		100	
Spring	BIOE 297B - 01 - Independent Study	10	1		100	
Spring	BIOE 297C - 01 - Independent Study	15	3		100	
Spring	BIOE 299C - 01 - Thesis Research	15	3		100	

2011-2012
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOE 127 - 01 - Ichthyology	5	134		100	

Fall	BIOE 127L - 01 - Ichthyology Lab	0	34		0	
Fall	BIOE 127L - 02 - Ichthyology Lab	0	24		0	
Fall	BIOE 127L - 03 - Ichthyology Lab	0	24		0	
Fall	BIOE 127L - 04 - Ichthyology Lab	2	24		100	
Fall	BIOE 127L - 05 - Ichthyology Lab	0	26		0	
Fall	BIOE 281B - 01 - Molecular Evolution	2	6		100	
Fall	BIOE 297C - 01 - Independent Study	15	1		100	
Fall	BIOE 299B - 01 - Thesis Research	10	1		100	
Fall	BIOE 299C - 01 - Thesis Research	15	2		100	
Fall	ENVS 184 - 11 - Envs Stu Internship	2	1		100	
Winter	BIOE 109 - 01 - Evolution	5	177	53	100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	6		100	
Winter	BIOE 297A - 01 - Independent Study	5	1		100	
Winter	BIOE 297C - 01 - Independent Study	15	1		100	
Winter	BIOE 299B - 01 - Thesis Research	10	2		100	
Winter	BIOE 299C - 01 - Thesis Research	15	1		100	
Winter	ENVS 183A - 18 - Senior Internship	5	2		100	

Spring	BIOE 281B - 01 - Molecular Evolution	2	7		100	
Spring	BIOE 297C - 01 - Independent Study	15	2		100	
Spring	BIOE 299C - 01 - Thesis Research	15	3		100	
Spring	ENVS 183B - 25 - Senior Internship	5	2		100	

2010-2011
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Summer	BIOE 299A - 09 - Thesis Research	5	1		100	
Fall	BIOE 159A - 01 - Fld Qtr:Marine Ecol	5	29		100	
Fall	BIOE 159C - 01 - Fld Qtr:Field Ecolo	5	29		100	
Fall	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Fall	BIOE 297A - 01 - Independent Study	5	1		100	
Fall	BIOE 297B - 01 - Independent Study	10	1		100	
Fall	BIOE 297C - 01 - Independent Study	15	2		100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	6		100	
Winter	BIOE 297B - 01 - Independent Study	10	2		100	

Winter	BIOE 297C - 01 - Independent Study	15	1		100	
Winter	BIOE 299A - 01 - Thesis Research	5	1		100	
Winter	BIOE 299C - 01 - Thesis Research	15	1		100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	5		100	
Spring	BIOE 297B - 01 - Independent Study	10	1		100	
Spring	BIOE 297C - 01 - Independent Study	15	2		100	
Spring	BIOE 299C - 01 - Thesis Research	15	2		100	

2009-2010
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Summer	BIOE 297A - 08 - Independent Study	5	2		100	
Fall	BIOE 127 - 01 - Ichthyology	5	99		100	
Fall	BIOE 127L - 01 - Ichthyology Lab	2	32		100	
Fall	BIOE 127L - 02 - Ichthyology Lab	2	23		100	
Fall	BIOE 127L - 03 - Ichthyology Lab	2	23		100	
Fall	BIOE 127L - 04 - Ichthyology Lab	2	21		100	

Fall	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Fall	BIOE 295 - 01 - Adv EEB Seminar	0	3		100	
Fall	BIOE 297C - 01 - Independent Study	15	3		100	
Fall	BIOE 299A - 01 - Thesis Research	5	1		100	
Fall	BIOE 299C - 01 - Thesis Research	15	1		100	
Winter	BIOE 109 - 01 - Evolution	5	165		100	
Winter	BIOE 281B - 01 - Molecular Evolution	2	3		100	
Winter	BIOE 297A - 01 - Independent Study	5	1		100	
Winter	BIOE 297C - 01 - Independent Study	15	2		100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	3		100	
Spring	BIOE 297B - 01 - Independent Study	10	1		100	
Spring	BIOE 297C - 01 - Independent Study	15	2		100	
Spring	BIOE 299C - 01 - Thesis Research	15	1		100	

2008-2009
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments

Fall	BIOE 159A - 01 - Fld Qtr:Marine Ecol	5	28		50	
Fall	BIOE 159B - 01 - Fld Qtr:Ichthyology	5	28		50	
Fall	BIOE 159C - 01 - Fld Qtr:Field Ecolo	5	28		50	
Fall	BIOE 159D - 01 - Fld Qtr:Fld Eco Lab	4	28		50	
Fall	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Fall	BIOE 297A - 01 - Independent Study	5	3		100	
Fall	BIOE 297C - 01 - Independent Study	15	1		100	
Fall	BIOE 299C - 01 - Thesis Research	15	1		100	
Winter	BIOE 020C - 01 - Ecology & Evolution	5	219		50	
Winter	BIOE 281B - 01 - Molecular Evolution	2	3		100	
Winter	BIOE 297A - 01 - Independent Study	5	2		100	
Winter	BIOE 297C - 01 - Independent Study	15	1		100	
Winter	BIOE 299C - 01 - Thesis Research	15	1		100	
Spring	BIOE 281B - 01 - Molecular Evolution	2	4		100	
Spring	BIOE 295 - 01 - Adv EEB Seminar	0	3		100	
Spring	BIOE 297A - 01 - Independent Study	5	1		100	
Spring	BIOE 297B - 01 - Independent Study	10	2		100	

Spring	BIOE 297C - 01 - Independent Study	15	1		100	
Spring	BIOE 299C - 01 - Thesis Research	15	1		100	
Spring	ENVS 184 - 08 - Envs Stu Internship	2	1		100	

2007-2008
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOL 137 - 01 - Ichthyology	5	79		100	
Fall	BIOL 137L - 01 - Ichthyology Lab	2	21		100	
Fall	BIOL 137L - 02 - Ichthyology Lab	2	24		100	
Fall	BIOL 137L - 03 - Ichthyology Lab	2	4		100	
Fall	BIOL 137L - 04 - Ichthyology Lab	2	27		100	
Fall	BIOL 281B - 01 - Molecular Evolution	2	2		100	
Fall	BIOL 297A - 01 - Independent Study	5	1		100	
Fall	BIOL 299C - 01 - Thesis Research	15	1		100	
Winter	BIOL 020C - 01 - Ecology & Evolution	5	285		50	
Winter	BIOL 199 - 01A - Tutorial	5	1		100	
Winter	BIOL 281B - 01 - Molecular Evolution	2	3		100	

Winter	BIOL 294 - 01 - Ecol, Evol Bio Sem	0	49		100	
Winter	BIOL 297B - 01 - Independent Study	10	2		100	
Winter	BIOL 299C - 01 - Thesis Research	15	1		100	
Spring	BIOL 198 - 01B - Indep Field Study	5	1		100	
Spring	BIOL 198F - 01 - Indep Field Study	2	1		100	
Spring	BIOL 281B - 01 - Appld Marine Ecolog	2	2		100	
Spring	BIOL 297A - 01 - Independent Study	5	1		100	
Spring	BIOL 297C - 01 - Independent Study	15	1		100	
Spring	BIOL 299C - 01 - Thesis Research	15	1		100	

2006-2007
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOL 162A - 01 - Fld Qtr:Marine Ecol	5	27		50	
Fall	BIOL 162B - 01 - Fld Qtr:Ichthyology	5	27		50	
Fall	BIOL 162C - 01 - Fld Qtr:Field Ecolo	5	27		50	
Fall	BIOL 162D - 01 - Fld Qtr:Fld Eco Lab	4	27		50	

Fall	BIOL 281B - 01 - Molecular Evolution	2	3		100	
Fall	BIOL 299B - 01 - Thesis Research	10	1		100	
Fall	BIOL 299C - 01 - Thesis Research	15	2		100	
Winter	BIOL 020C - 01 - Ecology & Evolution	5	264		50	
Winter	BIOL 281B - 01 - Molecular Evolution	2	2		100	
Winter	BIOL 299B - 01 - Thesis Research	10	1		100	
Winter	BIOL 299C - 01 - Thesis Research	15	2		100	
Spring	BIOL 281B - 01 - Molecular Evolution	2	1		100	
Spring	BIOL 299C - 01 - Thesis Research	15	2		100	

2005-2006
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Summer	BIOL 297 - 02A - Independent Study	5	1		100	
Summer	BIOL 299A - 02 - Thesis Research	5	1		100	
Fall	BIOL 297C - 01 - Independent Study	15	2		100	
Fall	BIOL 299B - 01 - Thesis Research	10	1		100	

Fall	BIOL 299C - 01 - Thesis Research	15	1		100	
Winter	BIOL 020C - 01 - Ecology & Evolution	5	179		50	
Winter	BIOL 195 - 01A - Sr Thesis Research	5	1		100	
Winter	BIOL 281B - 01 - Molecular Evolution	2	3		100	
Winter	BIOL 293 - 01 - Readings In Eco/Evo	2	20		100	
Winter	BIOL 297A - 01 - Independent Study	5	1		100	
Winter	BIOL 297C - 01 - Independent Study	15	1		100	
Winter	BIOL 299B - 01 - Thesis Research	10	1		100	
Winter	BIOL 299C - 01 - Thesis Research	15	1		100	
Spring	BIOL 281B - 01 - Molecular Evolution	2	4		100	
Spring	BIOL 297C - 01 - Independent Study	15	2		100	
Spring	BIOL 299B - 01 - Thesis Research	10	1		100	
Spring	BIOL 299C - 01 - Thesis Research	15	1		100	

2004-2005
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments

Fall	BIOL 162B - 01 - Fld Qtr:Ichthyology	5	26		100	
Fall	BIOL 162D - 01 - Fld Qtr:Fld Eco Lab	4	26		100	
Fall	BIOL 281B - 01 - Molecular Evolution	2	4		100	
Fall	BIOL 297C - 01 - Independent Study	15	2		100	
Fall	BIOL 299C - 01 - Thesis Research	15	2		100	
Winter	BIOL 195 - 01A - Sr Thesis Research	5	1		100	
Winter	BIOL 199 - 01A - Tutorial	5	1		100	
Winter	BIOL 281B - 01 - Molecular Evolution	2	4		100	
Winter	BIOL 297A - 01 - Independent Study	5	1		100	
Winter	BIOL 297B - 01 - Independent Study	10	1		100	
Winter	BIOL 299B - 01 - Thesis Research	10	2		100	
Spring	BIOL 281B - 01 - Molecular Evolution	2	4		100	
Spring	BIOL 297C - 01 - Independent Study	15	2		100	
Spring	BIOL 299B - 01 - Thesis Research	10	1		100	
Spring	BIOL 299C - 01 - Thesis Research	15	1		100	

2003-2004
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOL 137 - 01 - ICHTHYOLOGY	5	73		100	
Fall	BIOL 137L - 01 - ICHTHYOLOGY LAB	2	25		100	
Fall	BIOL 195 - 01A - SR THESIS RESEARCH	5	1		100	
Fall	BIOL 281B - 01 - MOLECULAR EVOLUTION	2	5		100	
Fall	BIOL 297A - 01 - INDEPENDENT STUDY	5	1		100	
Fall	BIOL 297B - 01 - INDEPENDENT STUDY	10	1		100	
Fall	BIOL 297C - 01 - INDEPENDENT STUDY	15	2		100	
Fall	BIOL 299C - 01 - THESIS RESEARCH	15	1		100	
Winter	BIOL 020C - 01 - ECOLOGY & EVOLUTION	5	212		50	
Winter	BIOL 195 - 01A - SR THESIS RESEARCH	5	2		100	
Winter	BIOL 281B - 01 - MOLECULAR EVOLUTION	2	5		100	
Winter	BIOL 293 - 01 - READINGS IN ECO/EVO	2	26		100	
Winter	BIOL 294 - 01 - ECOL, EVOL BIO SEM	0	55		100	
Winter	BIOL 297B - 01 - INDEPENDENT STUDY	10	2		100	
Winter	BIOL 297C - 01 - INDEPENDENT STUDY	15	1		100	
Winter	BIOL 299A - 01 - THESIS RESEARCH	5	1		100	

Winter	BIOL 299C - 01 - THESIS RESEARCH	15	1		100	
Winter	CMMU 093 - 18 - FIELD STUDY	5	1		100	
Spring	BIOL 195 - 01A - SR THESIS RESEARCH	5	2		100	
Spring	BIOL 199 - 01A - TUTORIAL	5	1		100	
Spring	BIOL 281B - 01 - MOLECULAR EVOLUTION	2	5		100	
Spring	BIOL 297C - 01 - INDEPENDENT STUDY	15	2		100	
Spring	BIOL 299A - 01 - THESIS RESEARCH	5	2		100	
Spring	BIOL 299C - 01 - THESIS RESEARCH	15	1		100	

2002-2003
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOL 162B - 01 - FLD QTR:ICHTHYOLOGY	5	25		100	
Fall	BIOL 162D - 01 - FLD QTR:FLD ECO LAB	4	25		100	
Fall	BIOL 195 - 01A - SR THESIS RESEARCH	5	2		100	
Fall	BIOL 281B - 01 - MOLECULAR EVOLUTION	2	5		100	
Fall	BIOL 297B - 01 - INDEPENDENT STUDY	10	1		100	

Fall	BIOL 297C - 01 - INDEPENDENT STUDY	15	2		100	
Fall	BIOL 299C - 01 - THESIS RESEARCH	15	1		100	
Winter	BIOL 195 - 01A - SR THESIS RESEARCH	5	1		100	
Winter	BIOL 199 - 01A - TUTORIAL	5	2		100	
Winter	BIOL 199F - 01 - TUTORIAL	2	2		100	
Winter	BIOL 281B - 01 - MOLECULAR EVOLUTION	2	5		100	
Winter	BIOL 297B - 01 - INDEPENDENT STUDY	10	1		100	
Winter	BIOL 297C - 01 - INDEPENDENT STUDY	15	2		100	
Winter	BIOL 299C - 01 - THESIS RESEARCH	15	2		100	
Spring	BIOL 198 - 01A - INDEP FIELD STUDY	5	1		100	
Spring	BIOL 198F - 01 - INDEP FIELD STUDY	2	1		100	
Spring	BIOL 281B - 01 - MOLECULAR EVOLUTION	2	5		100	
Spring	BIOL 297B - 01 - INDEPENDENT STUDY	10	2		100	
Spring	BIOL 297C - 01 - INDEPENDENT STUDY	15	1		100	
Spring	BIOL 299C - 01 - THESIS RESEARCH	15	2		100	

2001-2002
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOL 137 - 01 - ICHTHYOLOGY	5	61		100	
Fall	BIOL 137L - 01 - ICHTHYOLOGY LAB	2	23		100	
Fall	BIOL 137L - 02 - ICHTHYOLOGY LAB	2	28		100	
Fall	BIOL 137L - 03 - ICHTHYOLOGY LAB	2	12		100	
Fall	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	7		100	
Fall	BIOL 297B - 02 - INDEPENDENT STUDY	10	2		100	
Fall	BIOL 297C - 02 - INDEPENDENT STUDY	15	1		100	
Fall	BIOL 299C - 02 - THESIS RESEARCH	15	2		100	
Winter	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	5		100	
Winter	BIOL 297A - 01 - INDEPENDENT STUDY	5	1		100	
Winter	BIOL 297B - 01 - INDEPENDENT STUDY	10	2		100	
Winter	BIOL 299C - 01 - THESIS RESEARCH	15	2		100	
Spring	BIOL 176 - 01 - MOLECULAR EVOLUTION	5	12		100	
Spring	BIOL 176L - 01 - MOLECULR EVOL LAB	2	11		100	
Spring	BIOL 195 - 01A - SR THESIS RESEARCH	5	1		100	
Spring	BIOL 199 - 01A - TUTORIAL	5	1		100	

Spring	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	4		100	
Spring	BIOL 297A - 01 - INDEPENDENT STUDY	5	1		100	
Spring	BIOL 297B - 01 - INDEPENDENT STUDY	10	1		100	
Spring	BIOL 297C - 01 - INDEPENDENT STUDY	15	1		100	
Spring	BIOL 299C - 01 - THESIS RESEARCH	15	2		100	

2000-2001
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOL 199 - 02A - TUTORIAL	5	1		100	
Fall	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Fall	BIOL 297A - 02 - INDEPENDENT STUDY	5	1		100	
Fall	BIOL 299A - 02 - THESIS RESEARCH	5	2		100	
Fall	BIOL 299B - 02 - THESIS RESEARCH	10	1		100	
Winter	BIOL 195 - 02A - SR THESIS RESEARCH	5	2		100	
Winter	BIOL 199 - 02A - TUTORIAL	5	1		100	
Winter	BIOL 199F - 02 - TUTORIAL	2	1		100	
Winter	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	

Winter	BIOL 297C - 02 - INDEPENDENT STUDY	15	1		100	
Winter	BIOL 299C - 02 - THESIS RESEARCH	15	2		100	
Spring	BIOL 176 - 01 - MOLECULAR EVOLUTION	5	2		100	
Spring	BIOL 176L - 01 - MOLECULR EVOL LAB	2	1		100	
Spring	BIOL 195 - 02A - SR THESIS RESEARCH	5	1		100	
Spring	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	3		100	
Spring	BIOL 297C - 02 - INDEPENDENT STUDY	15	1		100	
Spring	BIOL 299C - 02 - THESIS RESEARCH	15	2		100	
Spring	BIOL 301 - 02 - SUPERV TEACH EXP	0	1		100	

1999-2000
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOL 137 - 01 - ICHTHYOLOGY	5	50		100	
Fall	BIOL 137L - 01 - ICHTHYOLOGY LAB	2	12		100	
Fall	BIOL 137L - 02 - ICHTHYOLOGY LAB	2	22		100	
Fall	BIOL 137L - 04 - ICHTHYOLOGY LAB	2	14		100	

Fall	BIOL 195 - 02A - SR THESIS RESEARCH	5	2		100	
Fall	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Fall	BIOL 294 - 01 - ECOL, EVOL BIO SEM	0	40		50	
Fall	BIOL 297C - 02 - INDEPENDENT STUDY	15	1		100	
Fall	BIOL 299C - 02 - THESIS RESEARCH	15	1		100	
Fall	BIOL 301 - 02 - SUPERV TEACH EXP	0	2		100	
Winter	BIOL 195 - 02A - SR THESIS RESEARCH	5	1		100	
Winter	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Winter	BIOL 299C - 02 - THESIS RESEARCH	15	2		100	
Spring	BIOL 176 - 01 - MOLECULAR EVOLUTION	5	6		100	
Spring	BIOL 176L - 01 - MOLECULR EVOL LAB	2	6		100	
Spring	BIOL 195 - 02A - SR THESIS RESEARCH	5	3		100	
Spring	BIOL 195 - 02B - SR THESIS RESEARCH	5	2		100	
Spring	BIOL 198 - 02A - INDEP FIELD STUDY	5	1		100	
Spring	BIOL 199 - 02A - TUTORIAL	5	1		100	
Spring	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Spring	BIOL 294 - 01 - ECOL, EVOL BIO SEM	0	36		50	

Spring	BIOL 299C - 02 - THESIS RESEARCH	15	2		100	
Spring	BIOL 301 - 02 - SUPERV TEACH EXP	0	1		100	

1998-1999
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOL 162 - 01 - ECOLGY GULF CALIFOR	21	25		50	
Fall	BIOL 195 - 02A - SR THESIS RESEARCH	5	1		100	
Fall	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Fall	BIOL 297C - 02 - INDEPENDENT STUDY	15	2		100	
Winter	BIOL 195 - 02A - SR THESIS RESEARCH	5	3		100	
Winter	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Winter	BIOL 293 - 01 - READINGS IN ECO/EVO	2	24		100	
Winter	BIOL 297B - 02 - INDEPENDENT STUDY	10	1		100	
Winter	BIOL 297C - 02 - INDEPENDENT STUDY	15	1		100	
Spring	BIOL 195 - 02A - SR THESIS RESEARCH	5	2		100	
Spring	BIOL 198 - 02A - INDEP FIELD STUDY	5	2		100	

Spring	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Spring	BIOL 297C - 02 - INDEPENDENT STUDY	15	2		100	

1997-1998
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOL 161 - 01 - KELP FOREST ECOLOGY	5	18		50	
Fall	BIOL 161L - 01 - KELP FOREST ECO LAB	2	17		50	
Fall	BIOL 198 - 02A - INDEP FIELD STUDY	5	3		100	
Fall	BIOL 198 - 02B - INDEP FIELD STUDY	5	1		100	
Fall	BIOL 198 - 02C - INDEP FIELD STUDY	5	1		100	
Fall	BIOL 199 - 02A - TUTORIAL	5	2		100	
Fall	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Fall	BIOL 297A - 02 - INDEPENDENT STUDY	5	1		100	
Fall	BIOL 301 - 02 - SUPERV TEACH EXP	0	2		100	
Winter	BIOL 195 - 02A - SR THESIS RESEARCH	5	7		100	
Winter	BIOL 198 - 02A - INDEP FIELD STUDY	5	1		100	

Winter	BIOL 198 - 02B - INDEP FIELD STUDY	5	1		100	
Winter	BIOL 198 - 02C - INDEP FIELD STUDY	5	1		100	
Winter	BIOL 199 - 02A - TUTORIAL	5	1		100	
Winter	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Winter	BIOL 297B - 02 - INDEPENDENT STUDY	10	1		100	
Winter	BIOL 297C - 02 - INDEPENDENT STUDY	15	1		100	
Spring	BIOL 137 - 01 - ICHTHYOLOGY	5	82		100	
Spring	BIOL 137L - 01 - ICHTHYOLOGY LAB	2	11		100	
Spring	BIOL 137L - 02 - ICHTHYOLOGY LAB	2	16		100	
Spring	BIOL 137L - 03 - ICHTHYOLOGY LAB	2	31		100	
Spring	BIOL 137L - 04 - ICHTHYOLOGY LAB	2	22		100	
Spring	BIOL 195 - 02A - SR THESIS RESEARCH	5	4		100	
Spring	BIOL 198 - 02A - INDEP FIELD STUDY	5	2		100	
Spring	BIOL 199 - 02A - TUTORIAL	5	2		100	
Spring	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Spring	BIOL 297C - 02 - INDEPENDENT STUDY	15	2		100	
Spring	BIOL 301 - 02 - SUPERV TEACH EXP	0	2		100	

1996-1997
Courses Taught

Quarter	Name	Units	3rd Week Enrollment	% Evals Retd	% Taught	Comments
Fall	BIOL 152 - 01 - KELP FOREST ECOLOGY	5	18		50	
Fall	BIOL 152L - 01 - KELP FOREST ECO LAB	2	18		50	
Fall	BIOL 195 - 02A - SR THESIS RESEARCH	5	1		100	
Fall	BIOL 198 - 02A - INDEP FIELD STUDY	5	1		100	
Fall	BIOL 198 - 02B - INDEP FIELD STUDY	5	1		100	
Fall	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Fall	BIOL 297A - 02 - INDEPENDENT STUDY	5	1		100	
Fall	BIOL 297B - 02 - INDEPENDENT STUDY	10	2		100	
Fall	BIOL 301 - 02 - SUPERV TEACH EXP	0	2		100	
Fall	MARI 299B - 19 - THESIS RESEARCH	10	1		100	
Winter	BIOL 195 - 02A - SR THESIS RESEARCH	5	6		100	
Winter	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	3		100	
Winter	BIOL 297A - 02 - INDEPENDENT STUDY	5	1		100	
Winter	BIOL 297B - 02 - INDEPENDENT STUDY	10	1		100	

Winter	OCEA 299B - 18 - THESIS RESEARCH	10	1		100	
Spring	BIOL 172 - 01 - ICHTHYOLOGY	5	69		100	
Spring	BIOL 172L - 01 - ICHTHYOLOGY LAB	2	13		100	
Spring	BIOL 172L - 02 - ICHTHYOLOGY LAB	2	23		100	
Spring	BIOL 172L - 03 - ICHTHYOLOGY LAB	2	21		100	
Spring	BIOL 172L - 04 - ICHTHYOLOGY LAB	2	12		100	
Spring	BIOL 195 - 02A - SR THESIS RESEARCH	5	5		100	
Spring	BIOL 195 - 02B - SR THESIS RESEARCH	5	2		100	
Spring	BIOL 280O - 01 - MOLECULAR EVOLUTION	2	2		100	
Spring	BIOL 297A - 02 - INDEPENDENT STUDY	5	1		100	
Spring	BIOL 297C - 02 - INDEPENDENT STUDY	15	1		100	
Spring	BIOL 301 - 02 - SUPERV TEACH EXP	0	4		100	
Spring	OCEA 299B - 17 - THESIS RESEARCH	10	1		100	