John P. Wares

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University of Georgia – Department of Genetics & Odum School of Ecology
Curator, Georgia Museum of Natural History

Education

B.S. in Zoology with Honors	University of Oklahoma, 1995
Invertebrate Zoology	Friday Harbor Labs, 1996
Ph.D. in Zoology	Duke University, 2000

Postdoctoral Training

University of New Mexico	Mentor: Tom Turner, 2000-2002
University of California, Davis	Mentor: Rick Grosberg, 2002-2004

Academic Positions

Assistant Professor	University of Georgia, 2005-2011
Associate Professor	University of Georgia, 2011-2017
Visiting Lecturer	UW - Friday Harbor Labs, summer 2016
Full Professor	University of Georgia, 2017
Faculty Curator	Georgia Museum of Natural History, 2019-

Current Research Support

1. NSF-DEB-2344084 Gluers, Grippers, and Gougers: Host-adapted Diversification of Barnacles Epizootic with Marine Megafauna and their Turtlescape Genomics. $340,988 to JPW (2024-2027)
2. OVPR Faculty Seed Grant, $17,150, Spatial diversity in the ribbed mussel *Geukensia* (2024-2025)
3. GCE-LTER V, “Responses to environmental variation in the ribbed mussel *Geukensia*”, $89,000 (2025-2030, pending final approval)
4. USFS/Paint Rock, Survey of genomic diversity of endangered southern Cumberland hawthorn, $7,000 (2024-2025)
5. USFS/GLRI, Assessing native mussel distribution and connectivity to prioritize restoration activities, $525,941 (2025-2028, pending final approval)

Publications (n=119; 6327 citations, H-index 36)

2025 (4) *4 manuscripts in review, 6+ currently in preparation*

Robinson, H, **Wares JP**, Cowie G, Williams S, Scott B, Rowe M, Johnson N, Hazelton P, 2025. Using DNA Barcoding to Evaluate Freshwater Mussel and Fish Host Relationships in the Flint River (GA, USA). *Freshwater Science.* doi.org/10.1086/734714

Drake, J; **Wares JP**; JE Byers, JT Anderson. 2025. Two hypotheses about climate change and species distributions. *Ecol. Lett.* in press.doi: 10.1111/ele.70134

Freeman BJ, MC Scott, KN Petersen, NJ Bayona-Vasquez, AT Taylor, BG Hilburn, MC Freeman, **JP Wares** (2025) Two new species of *Micropterus* (Centrarchidae) endemic to Atlantic Slope river drainages in Georgia, South Carolina and North Carolina, USA. *Zootaxa.*

Popecki, M.S., S.A. Archer-Hartmann, P. Saadi, R.L Rogers, **J.P. Wares**, and K.F. Stanger-Hall. 2025. The role of pigments in light color variation of the firefly *Photinus pyralis. Ecology & Evolution* dot: 10.1002/ece3.71927.

2024 (3)

Wares, JP, LM Schiebelhut, and MN Dawson. 2024. Nothing goes to waste: Perspectives from sea star wasting synthesis. *Biological Bulletin*, 244: 139-219.

Hoebeke, E.R., L.J. Bartlett, M. Evans, B.E. Freeman, and **J.P. Wares**. 2024. First records of *Vespa velutina* (Lepeletier) (Color form *Nigrithorax*) (Hymenoptera: Vespidae) in North America, an invasive pest of domesticated honeybees. *Proc. Ent. Soc. Wash.* 126:193-205.

Popecki, M.S., R.L. Rogers, S.A. Archer-Hartmann, **J.P. Wares**, K.F. Stanger-Hall. 2024. The role of pigments in light color variation of the firefly *Photinus pyralis*. bioRxiv 2024.09.23.614534v1. (in review, *Ecol Evol*)

2023 (9)

Dawson, M.N., P.J. Duffin*, 16 additional coauthors, and **J.P. Wares.** 2023. A decade of death and other dynamics: Deepening perspectives on the diversity and distribution of sea stars and wasting. *Biol. Bull.* dog: 10.1086/727969

Wares, J.P. The Genomic Ghosts of *Geukensia granosissima*, *Estuaries and Coasts*. 10.1007/s12237-023-01296-6

Wares, JP and S. Pirro. 2023. The complete genome sequences of 2 species of *Geukensia* (Brachidontinae, Mytilidae). *Biodiversity Genomes* **https://doi.org/10.56179/001c.89031**

K. N. Petersen & J. P. **Wares,** Investigating biodiversity patterns across scales in freshwater mussels. *Molecular Ecology* doi: 10.1111/mec.17181

Sutherland, K.P.,…8 coauthors…**J.P. Wares**, and J. Porter. 2023. Twenty-year record of white pox disease in the Florida Keys: Importance of environmental risk factors as drivers of coral health. *Diseases of Aquatic Organisms.* doc: 10.3354/dao03727

Giakoumis, M., G. Pinilla-Buitrago, L. Musher, **J. P. Wares**, S. Baird, M. Hickerson. 2023. Evidence of introgression, ecological divergence and adaptation in *Asterias* sea stars. *Molecular Ecology.* https://onlinelibrary.wiley.com/doi/10.1111/mec.17118

Schiebelhut, LM, M Giakoumis*, R Castilho, VE Garcia, **JP Wares**, GM Wessel, and MN Dawson. 2023. Is It in the Stars? Exploring the Relationships between Species' Traits and Sea Star Wasting Disease The Biological Bulletin 2022 243:3, 315-327

Schiebelhut, LM, M Giakoumis*, R Castilho, PJ Duffin*, JB Puritz, **JP Wares**, GM Wessell, and MN Dawson. 2023. Minor Genetic Consequences of a Major Mass Mortality: Short-Term Effects in *Pisaster ochraceus* The Biological Bulletin 2022 243:3, 328-338

Erlenbach*, TR and **JP Wares**. 2023. Latitudinal variation and plasticity in response to temperature in *Geukensia demissa*. *Ecology & Evolution*, 10.1002/ece3.9856.

2022 (2)

Wares, J.P., M. Thiel, M. Munizaga, S. Rech, & J.T. Carlton. 2022. Ancient islands or ancient mariners? The cryptic history and voyages of the South Pacific barnacle *Rehderella* Zevina & Kurshakova, 1973 (Cirripedia: Thoracica: Chthamalidae). *J. Crust. Biol.* 42: 1-8. doi: 10.1093/jcbiol/ruac054

Oulhen, N., M. Byrne, P. Duffin*, M. Gomez-Chiarri, I. Hewson, J. Hodin, B. Konar, E.K. Lipp, B.G. Miner, A.L. Newton, L.M. Schiebelhut, R. Smolowitz, S. J. Wahltinez, G.M. Wessel, T.M. Work, H.A. Zaki, and **J.P. Wares**. 2022. A review of Asteroid biology in the context of sea star wasting: possible causes and consequences. *The Biological Bulletin* doi: 10.1086/719928.

2021 (5)

Aquino, C.A., R.M. Besemer, C.M. DeRito, J. Koclan, I.R. Porter, P. Raimondi, J.E. Rede, L.M. Schiebelhut, J.P. Sparks, **J.P. Wares,** I. Hewson. 2021. Evidence that microorganisms at the animal-water interface drive sea star wasting disease. *Frontiers in Microbiology***, https://doi.org/10.3389/fmicb.2020.610009.**

Rogers, R.L., S.L. Grizzard, J. E. Titus-McQuillan, K. Bockrath*, S. Patel, **J.P. Wares**, J.T. Garner, C.C. Moore. 2021. Gene family amplification facilitates adaptation in freshwater unionid bivalve *Megalonaias nervosa*. *Molecular Ecology*, online 31 Dec 20 doi: 10.1111/mec.15786.

Buckeridge, J.S., et al. 2021. William Anderson Newman. *Proc. Calif. Acad. Sci.* 67:55-83.

Wares, J.P., A. E. Strand, E. E. Sotka. 2021. Diversity, divergence and density: How habitat and hybrid zone dynamics maintain a genomic cline in an intertidal barnacle. *J. Biogeography*, 48: 2174-2185.

Krug, P.J., **J. P. Wares**, J.D. Allen. 2021. Adaptive and plastic responses to environmental variation: Introduction to a virtual symposium in *The Biological Bulletin*. *Biol. Bull.* doi: 10.1086/716013.

2020 (4)

Brown, A.L., E. A. Hamman, J.S. Shima, **J. P. Wares**, C.W.Osenberg. 2020. Extended phenotypes on coral reefs: cryptic phenotypes modulate coral-vermetid interactions. *Ecology* doi: 10.1002/ecy.3215

Álvarez-Noriega, M., S.C. Burgess, J.E. Byers, J.M. Pringle, **J. P. Wares**, D. J. Marshall. 2020. Global biogeography of marine dispersal potential. *Nature Ecology & Evolution*, doi 10.1038/s41559-020-1238-y

Ruiz-Ramos, D. V., L. M. Schiebelhut, K. J. Hoff, **J. P. Wares**, M. N. Dawson. 2020. Genomic autopsy of sea star wasting disease in a keystone predator, *Pisaster ochraceus*. *Molecular Ecology* doi: 10.1111/mec.15386.

Wares, J.P. 2020. Small, flat, and gray: Cryptic diversity in Chthamalid barnacles in the global context of marine coastal biogeography (Cirripedia: Balanomorpha: Chthamalidae). *J. Crust. Biology* doi: 10.1093/jcbiol/ruz086

2019 (2)

Wares, J. P. and K. M. Skoczen*. 2019. Maintenance of a genetic cline in the barnacle *Balanus glandula*. *Biological Bulletin*. DOI: 10.1086/703516.

Elledge, N. C., R. I. Eytan, L. J. Pinnell, R. Pray, **J. P. Wares**, K. P. Sutherland, E. K. Lipp, J. W. Turner. 2019. Draft genome sequences of 38 *Serratia marcescens* strains associated with acroporid serratiosis. *Microbial Resource Announcements,* 8:e00194-19.

2018 (2)

Wares, J. P., S. Crickenberger, A. F. Govindarajan, J. L. Hamrick, K. M. Skoczen*, D. W. Trapnell, and D. S. Wethey. 2018. The cryptic population biology of *Chthamalus fragilis* Darwin, 1854 on the Atlantic coast of North America. *J. Crustacean Biol.,* DOI: doi.org/10.1093/jcbiol/ruy070.

Ewers-Saucedo, C.* and J. P. **Wares**. 2018. Population connectivity and phylogeography of Crustaceans. In: G. Poore and M. Thiel, eds. *Evolution and Biogeography. The Natural History of the Crustacea,* vol. 8. in press.

2017 (5)

Ewers-Saucedo, C*., B. K. K. Chan, J. D. Zardus, and J. P. **Wares**. 2017. Parallel patterns of host-specific morphology and genetic admixture in sister lineages of a commensal barnacle. *Biol. Bull*. 232:171-185.

Chandler, V. K*. and J. P. **Wares**. 2017. RNA expression and disease tolerance are associated with a “keystone mutation” in the ochre sea star *Pisaster ochraceus. PeerJ* 5:e3696; DOI 10.7717/peerj.3696

Govindarajan, A.F., M. R. Carman, M.R. Khaidarov, A. Semenchenko, J.P. **Wares**. 2017. Mitochondrial diversity in *Gonionemus* (Trachylina: Hydrozoa) and its implications for understanding the origins of clinging jellyfish in the Northwest Atlantic Ocean. *PeerJ* 5:e3205.

Guo B, **Wares** JP. (2017) Large-scale gene flow in the barnacle *Jehlius cirratus* and contrasts with other broadly-distributed taxa along the Chilean coast. *PeerJ* 5:e2971 https://doi.org/10.7717/peerj.2971

Pringle, J. M., J. E. Byers, R. He, P. Pappalardo, & J.P. **Wares**. (2017). Ocean currents and competitive strength interact to cluster benthic species range boundaries in the coastal ocean. *Marine Ecology Progress Series* 567:29-40.

2016 (8)

Ewers-Saucedo*, C., R. Hanel, J. P. **Wares**, and D. Brandis. 2016. Phylogenetic and mechanistic insights into the evolution of male copulatory organs in Shame-Faced Crabs (Decapoda: Eubrachyura: Calappidae) De Haan, 1833. *J. Crustacean Biol.* 36:804-814.

Ewers-Saucedo*, C., J. M. Pringle, H. H. Sepúlveda, J. E. Byers, S. A. Navarrete, and J. P. **Wares**. 2016. The oceanic concordance of phylogeography and biogeography: A case study in *Notochthamalus*. *Ecology & Evolution*, DOI: 10.1002/ece3.2205

Ewers-Saucedo*, C., J. Zardus, and J. P. **Wares**. 2016. Microsatellite loci discovery from next-generation sequencing data and loci characterization in the epizoic barnacle *Chelonibia testudinaria* (Linnaeus, 1798). *PeerJ* 4:e2019 https://doi.org/10.7717/peerj.2019

Wares, J. P. and L. Schiebelhut*. 2016. What doesn't kill them makes them stronger: An association between elongation factor 1-α overdominance in the sea star *Pisaster ochraceus* and "sea star wasting disease". *PeerJ* 4:e1876 DOI:10.7717/peer1876

Ewers-Saucedo*, C., N. B. Hope, and J. P. **Wares**. 2016. The unexpected mating system of the androdioecious barnacle *Chelonibia testudinaria (Linnaeus, 1758). Molecular Ecology* DOI: 10.1111/mec.13593

Pappalardo, P., F. B. Pitombo, P. A. Haye, and J. P. **Wares**. 2016. A rose by any other name: systematics and diversity in the Chilean giant barnacle *Austromegabalanus psittacus*. *J. Crustacean Biology*, **DOI:** 10.1163/1937240X-00002403.

Wares, J. P. and P. Pappalardo. 2016. Can theory improve the scope of quantitative metazoan metabarcoding? *Diversity*, doi:10.3390/d8010001.

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2015 (5)

Kemp, D. W., A. Rivers, K. M. Kemp, E. K. Lipp, J. W. Porter, and J. P. **Wares**. 2016. Spatial homogeneity of bacterial communities associated with the surface mucus layer of the reef-building coral *Acropora palmata*. PLoS ONE, DOI: 10.1371/journal.pone.0143790.

Govindarajan, A. F., F. Bukša, *K. Bockrath, J. P. **Wares**, J. Pineda. 2015. Phylogeographic structure and northward range expansion in the barnacle *Chthamalus fragilis*. *PeerJ* 3:e926 https://dx.doi.org/10.7717/peerj.926

Freeman, B. J., A. T. Taylor, K. J. Oswald, J. **Wares**, M. C. Freeman, J. M. Quattro, J. K. Leitner. 2015. Shoal basses: A clade of cryptic identity. *Am. Fish. Soc. Sympos.* 82: 449-466.

Pappalardo, P., J. M. Pringle, J. P. **Wares**, J. E. Byers. 2015. The location, strength, and mechanisms behind marine biogeographic boundaries of the east coast of North America. *Ecography*, DOI: 10.1111/ecog.01135.

*Ewers-Saucedo, C., M. Arendt, J. P. **Wares,** D. Rittschof. 2015. Growth, mortality and mating group size of an androdioecious barnacle: implications for the evolution of dwarf males. *J. Crustacean Biology*, **DOI:** 10.1163/1937240X-00002318.

2014 (5)

Wares, J. P. 2014 Mitochondrial cytochrome *b* sequence data are not an improvement for species identification in scleractinian corals. *PeerJ* 2:e564 http://dx.doi.org/10.7717/peerj.564

*Winternitz, J., M. Yabsley, J. P. **Wares**, S. Altizer. 2014. Wild cyclic voles maintain high neutral and MHC diversity independently of parasitism. *Evol. Ecol.* 28: 957-975.

Popovic, I., P. Marko, J. P. **Wares**, M. Hart. 2014. Selection and demographic history shape the molecular evolution of the gamete compatibility protein bindin in *Pisaster* sea stars. *Ecology and Evolution 2014; 4(9):1567–1588*

Zakas, C., K. Jones, and J. P. **Wares**. 2014. Homogeneous nuclear background for mitochondrial cline in northern range of *Notochthamalus scabrosus*. *Genes, Genomes, Genetics* 4:225-230.

Pringle, J. M., J. E. Byers, P. Pappalardo, J. P. **Wares**, D. Marshall. 2014. Circulation constrains the evolution of larval development modes and life histories in the coastal ocean. *Ecology* 95:1022–1032. http://dx.doi.org/10.1890/13-0970.1

2013 (8)

Wares, J. P. 2013. Mitochondrial evolution across lineages of the vampire barnacle *Notochthamalus scabrosus*. *Mitochondrial DNA,* doi:10.3109/19401736.2013.825791.

*Winternitz, J. and J. P. **Wares**. 2013. Duplication and population dynamics shape historic patterns of selection and genetic variation at the MHC in rodents. *Ecology & Evolution*, DOI - 10.1002/ece3.567.

Altman, S., J. D. Robinson, J. Pringle, J. Byers and J. P. **Wares**. 2013. Edges and overlaps in Northwest Atlantic phylogeography. *Diversity,* 5: 263-275.

*****Robinson, J., D. Hall, and J. P. **Wares**. 2013. Approximate Bayesian estimation of extinction rate in the Finnish *Daphnia magna* metapopulation. *Molecular Ecology*, DOI: 10.1111/mec.12283.

Wisniewski, J. M., K. D. Bockrath*, J. P. **Wares**, A. K. Fritts, M. J. Hill. 2013. The mussel-fish relationship: a potential new twist in North America? *Trans. American Fisheries Society*, 142:3,642-648.

*****Robinson, J., J. P. **Wares**, and J. Drake. 2013. Extinction hazards in experimental *Daphnia magna* populations: effects of genotype diversity and environmental variation. *Ecology & Evolution*, 3:449.

*Meyers, M., J. W. Porter and J. P. **Wares**. 2013. Genetic diversity of fluorescent proteins in Caribbean Agariciid corals. *J. Heredity*, doi:10.1093/jhered/est028.

*Meyers, M., M. S. Pankey, and J. P. **Wares**. 2013. Genealogical approaches to the temporal origins of the Central American gap: Speciation and divergence in Pacific *Chthamalus. Revista Biologia Tropical,* 61: 75-88.

2012 (8)

*****Zakas, C. and **J. P. Wares.** 2012. Consequences of a poecilogonous life history for genetic structure in coastal populations of the polychaete *Streblospio benedicti*. *Molecular Ecology,* 21: 5447-5460. DOI: 10.1111/mec.12040.

*Cox, C., C. Jones, **J. P. Wares**, K. Castillo, M. McField, J. Bruno. 2012. Genetic testing reveals some fish mislabeling but general compliance with a ban on herbivorous fish harvesting in Belize. *Conservation Letters*, 2:132-140.

*Robinson, J. D., C. R. Haag, D. W. Hall, V. I. Pajunen, and **J. P. Wares**. 2012. Genetic estimates of population age in the water flea, *Daphnia magna*. *J. Heredity*, in press.

*Laughlin, K., C. Ewers, and J. P. **Wares**. 2012. Mitochondrial lineages in *Notochthamalus scabrosus* as indicators of coastal recruitment and interactions. *Ecology & Evolution*, 3:283, doi:10.1002/ece3.283.

*Ewers, C. and J. P. **Wares**. 2012. Examining an outlier: molecular diversity in the Cirripedia. *Integrative & Comparative Biology*. doi:10.1093/icb/ics047

*Small, S. T., R. Eytan, K. Bockrath, J. P. **Wares.** 2012. Evaluation of genetic structure across freshwater mussel community (genus *Elliptio*) in the Altamaha River basin. *Conservation Genetics*, DOI 10.1007/s10592-012-0345-y

*****Zakas, C., N. Schult, D. McHugh, K. Jones, J. P. **Wares**. 2012. Transcriptome analysis and SNP development can resolve population differentiation of *Streblospio benedicti*, a developmentally dimorphic marine annelid. *PLoS ONE*, 7(2): e31613.

Pennings, S., M. Alber, C. Alexander, M. Booth, A. Burd, W. Cai, C. Craft, C. DePratter, D. DiIorio, J. Hollibaugh, C. Hopkinson, S. Joye, C. Meile, B. Moore, B. Silliman, V. Thompson, and J. P. **Wares**. 2012. South Atlantic Tidal Wetlands. in Batzer, DP and Baldwin, A, eds. Wetland Habitats of North America: Ecology and Conservation Concerns. University of California Press, Berkeley, CA.

2011 (4)

Díaz-Ferguson, E., R. A. Haney, J. P. **Wares**, and B. R. Silliman. 2011. Genetic structure and connectivity patterns of Caribbean rocky intertidal gastropods. *J. Moll. Stud.* doi:10.1093/mollus/eyr050

Pringle, A., E. Barron, K. Sartor, J. P. **Wares**. 2011. Fungi and the Anthropocene: Biodiversity discovery in an epoch of loss. *Fungal Ecology* 4: 121-123.

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2010 (5)

Díaz-Ferguson, E., R. Haney, **J. P. Wares**, and B. Silliman. 2010. Population genetics of an overexploited species broadens picture of Caribbean Sea connectivity. *PLoS ONE*, 5(9): e12675. doi:10.1371/journal.pone.0012675.

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(ξ) Richards, C. L., J. P. **Wares**, J. A. Mackie. 2010. Evaluating adaptive processes for conservation and management of estuarine and coastal resources. *Estuaries & Coasts*, DOI 10.1007/s12237-010-9306-1

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*Zakas, C., J. Binford†, S. A. Navarette and J. P. **Wares**. 2009. Upwelling-driven community transitions reflected in limited barnacle gene flow. *Marine Ecology Progress Series* 394: 165-177.

Díaz-Ferguson, E., J. Robinson*, B. Silliman, and J. P. **Wares**. 2009. Comparative Phylogeography of East Coast American Salt Marsh Communities. *Estuaries & Coasts*, DOI 10.1007/s12237-009-9220-6.

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Wares, J. P., M. S. Pankey, F. Pitombo, L. Gómez-Daglio, Y. Achituv. 2009. A shallow phylogeny of shallow barnacles (*Chthamalus*). *PLoS ONE* 4(5):e5567.

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*Pankey, M. S. and J. P. **Wares**. 2009. Overdominant maintenance of diversity in seastar *Pisaster ochraceus*. *J. Evolutionary Biology* 22: 80-87

*Eo, S. H., J. P. **Wares**, and J. P. Carroll. 2009. Subspecies and units for conservation and management of the northern bobwhite in the Eastern United States. *Conservation Genetics*, DOI: 10.1007/s10592-009-9926-9.

2008 (6)

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*Eo, S. H., J. P. **Wares**, and J. P. Carroll. 2008. Population divergence in plant species reflects latitudinal biodiversity gradients. *Biol. Lett*. 4: 382-384 doi:10.1098/rsbl.2008.0109

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(ξ) Maggs, C. A., R. Castilho, D. Foltz, C. Henzler, T. Jolly, J. Kelly, J. Olsen, K. E. Perez, W. Stam, R. Vainola, F. Viard, and J. P. **Wares**. 2008. Evaluating signatures of glacial refugia for North Atlantic benthic marine taxa. *Ecology* 89: S108-S122.

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2007 (5)

(ξ) Pringle, J. M. and J. P. **Wares**. 2007. The maintenance of alongshore variation in allele frequency in a coastal ocean. *Marine Ecology Progress Series*, 335:69-84.

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2006 (2)

(ξ,*) Harley, C. D., M. S. Pankey, J. P. **Wares** (ξ), M. Wonham, and R. K. Grosberg. 2006. Color polymorphism and genetic structure in the sea star *Pisaster ochraceus*. *Biological Bulletin* 211:248-262.

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Wares, J. P. 2005. The Aliens Have Come. *Ecology* 86: 807-808.

2004 and earlier (pre-UGA; 14)

Baker, M. L., J. P. **Wares**, G. A. Harrison and R. D. Miller. 2004. Relationships among the families and orders of marsupials and the major mammalian lineages based on recombination activating gene-1. *Journal of Mammalian Evolution*, 11: 1-16.

Sotka, E. E., J. P. **Wares**, J. A. Barth, R. K. Grosberg, S. N. Palumbi. 2004. Strong genetic clines in the rocky intertidal barnacle *Balanus glandula* describe geographic variation in gene flow. *Molecular Ecology* 13: 2143-2156.

Wares, J. P., D. Alò, and T. F. Turner. 2004. Successful implementation of recovery goals for endangered southwestern trout: a genetic perspective. *Canadian Journal of Fisheries and Aquatic Science* 61: 1890-1899.

Sanford, E., M. S. Roth, G. C. Johns, J. P. **Wares**, and G. N. Somero. 2003. Local selection and latitudinal variation in a marine predator-prey interaction. *Science* 300: 1135-1137.

Sotka, E. E., J. P. **Wares**, and M. E. Hay. 2003. Geographic and genetic variation in feeding preferences for chemically-defended seaweeds. *Evolution* 57 (10): 2262-2276.

Wares, J.P. and T. F. Turner. 2003. Phylogeography and diversification in aquatic mollusks. In C. F. Lydeard and D. R. Lindberg, eds. Molecular Systematics and Phylogeography of Mollusks. Smithsonian Press. Pp 229-269.

Wares, J. P., D. S. Goldwater, B. Y. Kong, and C. W. Cunningham. 2002. Refuting a controversial case of a human-mediated marine species introduction. *Ecology Letters* 5: 577- 584.

Turner, T. F., J. P. **Wares**, and J. R. Gold. 2002. Genetic effective size is three orders of magnitude smaller than adult census size in an abundant, estuarine-dependent marine fish (*Sciaenops ocellatus*). *Genetics* 162: 1329-1339.

Wares, J. P. 2002. Community genetics in the northwestern Atlantic intertidal. *Molecular Ecology* 11: 1131-1144.

Wares, J.P, S.D. Gaines and C.W. Cunningham. 2001. A comparative study of asymmetric migration events across a marine biogeographic boundary. *Evolution* 55 (2):295-306.

Wares, J.P. 2001. Intraspecific variation and geographic isolation in *Idotea balthica* (Isopoda: Valvifera). *Journal of Crustacean Biology* 21(4): 1007-1013.

Wares, J.P. 2001. Biogeography of *Asterias*: North Atlantic climate change and speciation. *Biological Bulletin*, 201(1): 95-103.

Wares, J.P. and C. W. Cunningham. 2001. Comparative phylogeography and historical ecology of the North Atlantic intertidal. *Evolution* 55 (12): 2455-2469.

Wares, J.P. 2001. Patterns of speciation inferred from mitochondrial DNA in North American *Chthamalus* (Cirripedia: Balanomorpha: Chthamaloidea). *Molecular Phylogenetics and Evolution* 18(1): 104-116. ***My first publication!***

Unrefereed

Wares, Thiel, Carlton, Rech "Un pequeño crustáceo contando la historia natural de las islas oceánicas" - **bilingual outreach** - April 2023 ***Moe Varua*** https://moevarua.com/wp-content/uploads/2023/05/moeVarua-Edicion-Abril-2023.pdf

Francis, I.G.* & J. P. Wares 2022. Mitochondrial diversity in the ribbed mussel, Geukensia demissa, relative to high marsh plant diversity at the southern edge of the distribution https://www.biorxiv.org/content/10.1101/2022.01.16.476515v1.

Wares, J. P. and P. Duffin*. 2019. Re-evaluation of homozygous lethality for EF1A indel polymorphism in *Pisaster ochraceus*. *bioRxiv.* (preprint) **https://doi.org/10.1101/584235**

Wares, John; Abrams, A. J.; Cunningham, C. W. (2018): Tests for shifts in allelic variation during El Niño and at different tidal heights in *Balanus glandula*. figshare. Paper. https://doi.org/10.6084/m9.figshare.6106712.v1

Wares JP. (2014) Why not do phylogeography on every chthamalid barnacle? The case of *Jehlius cirratus*. *PeerJ PrePrints* 2:e596v2

Wares, John (2014): Diversity in *Testudinalia testudinalis*. fig**share**. http://dx.doi.org/10.6084/m9.figshare.1036348

Wares, John; Turner, Thomas F. (2014): Mitochondrial diversity in rainbow trout and close relatives. fig**share**. http://dx.doi.org/10.6084/m9.figshare.1162875

*Small, S. T. and J. P. **Wares**. 2009. Integrative genetic assessment of threatened species of mussels (Unionidae) in the Altamaha River drainage, Georgia. Report to Georgia Dept. Natural Resources, April 1 2009.

Wares, J. P. and 14 student authors. 2007. Genetic assessment of Spring Street (Athens, Georgia) crayfish population. Report to Georgia Dept. Natural Resources, December 10 2007.

Teaching

2018 Sandy Beaver Excellence in Teaching Award
2018 Odum School of Ecology Outstanding Teacher

Lecture Courses (past 5 years, not counting undergrad/grad research)
**developed course or substantial new course material*

2025
GENE 8420 Molecular Ecology
ECOL 4070L Invertebrate Ecology*
ECOL 3400 Professional Development

2024
ECOL 3400 Professional Development
ECOL 8100 Evolutionary Ecology*

2022-2023
GENE 8420 Molecular Ecology
ECOL 3400 Professional Development

2021-2022

BIOL 1104
ECOL/GENE 4530/6530 Molecular Ecology

2020-2021
BIOL 1104 (Biology for Non Majors) (Fall 2020, Fall 2021)
FYOS 1001 (The Museum Experience)
Guest lecturer: GMNH Internship class, ECOL 3400, ECOL 3500, Dunwoody HS

2019-2020
BIOL 1104 Biology for Non-Majors (Fall 2019)
ECOL 4950 Senior Seminar (Fall 2019)
GENE 4530/6530 Molecular Ecology (Spring 2020)
Guest Lectures: FYOS 1001 (CEID, Fall 2019); GMNH Interns Program (Fall 2019)

2018-2019
BIOL 1104 Biology for Non-Majors (Fall 2018)
GENE 8880 Communications (Fall 2018)

2017-2018
BIOL 1104* Biology for Non-Majors (Fall 2017)
GENE 8420 Molecular Ecology (Spring 2018)

2016-2017
GENE 8840* Coalescent Theory (Fall 2016)
ECOL 8000* Intro Grad Ecology (Fall 2016)

2015-2016
FYOS 1001* "Monsters are Useful" (Fall 2015)
GENE 3000H* Honors Evolution (Fall 2015)
GENE 8420* Molecular Ecology (Spring 2016)

2014-2015
GENE 4840/BIOL 4910* Evolution/Climate Change in the Ocean (Spring 2015)

2013-2014
GRSC 7770 Teaching Methods (Fall 2013)
GENE 3000* Intro Evolution (Fall 2013)

2012-2013
GENE 8160* Advanced Evolutionary Genetics (Spring 2013)
GENE 3000 (Fall 2012)
GENE 3000H* Honors Evolution (Fall 2012)

prior: Invasion Biology (GENE 8840), Biodiversity Genetics (GENE 8840), Molecular Ecology (GENE 8420), Evolutionary Genetics (GENE 8160), Intro. Evolution (GENE 3000), Genetics Grad Intro (GENE 8000), Coalescent Theory (GENE 8840)

Lab/Workshop Courses (past 5 years, not counting undergrad/grad research)

2021 DNA Barcoding of Freshwater Mussels, Albany State University and Flint Riverquarium Partnership
2016-2017
FHL 568A* Evolution/Climate Change in the Ocean (Summer 2016)

prior: Evolutionary Genetics GENE 4230L (5 times, course creator); Conservation/ Biodiversity Genetics - Organization for Tropical Studies; Phylogenetics Workshops - University of Hawaii, Universidad Católica del Norte (Coquimbo, Chile)

Teaching Improvement

Sustainability in the Curriculum workshop participant, UGA CTL, May 2013
CTL Writing Fellow, 2014-2015
Faculty Learning Series on mentoring, 3/4/20 at UGA Professional Development
DEI workshop w Adrianna Gonzales, 10/9/20

Service: University of Georgia

Franklin College Faculty Senate, 2005-2008
Interdisciplinary Life Sciences (EEO) Graduate Admissions Committee, 2009
Georgia Genomics Facility, Asst. Research Scientist Search Committee, 2009
ILS Curriculum Committee, 2012-3
University Council, 2017
Division of Biology, Lecturer Search Committee, 2019
Franklin Awards Committee (2023-2026)
GMNH Working Group (2024-)
University Review Committee (2024-2027)

Department of Genetics

Search Committee, Molecular Evolution, 2005-6
Faculty Mentor, Genetics Grad Student Association, 2009-2011
Executive Committee, 2009-2010
ESD-EPA Departmental Lead, 2009-2010
Sustainability Coordinator, 2010-2016
Search Committee, Plant Geneticist, 2010-2011
Co-Director, NIH Training Grant, 2009-2012
Tenure-Track Evaluation Committee, Melissa Davis, 2012
Search Committee, Evolutionary Ecologist (with Ecology), 2013-2014
Third-year review committee, Tessa Andrews, 2016
Graduate Coordinator, 2011-2016
Executive Committee, 2018-2020
Graduate Affairs Committee, 2006-2016; **2018-2024**
Teaching Mentoring Committee, **2019**-2026

Odum School of Ecology

Search Committees, Population *and* Evolutionary Ecologists, 2007
Search Committee, Extraordinary Ecologist, 2012-2013
Promotion & Tenure Committee, 2015-2018
Diversity Committee, 2015-2016
Facilities Committee, 2017-2018
Chair, Lecturer Positions Search Committee, 2017
Graduate Committee, 2019-2022
Promotion & Tenure Committee, 2021-2024
Director of Graduate Studies, 2025-

Genetics & Ecology
Search Committee Co-Chair, Molecular Ecologist, 2013-2014

Georgia Museum of Natural History

Curator, Genomic and Aquatic Invertebrates Collections, 2019-present

Service: Peer Review and Professional Societies

Journals

Peer reviewer for over 25 international journals; documentation available.
Associate Editor, *Evolution*, 2011-2013
Editorial Board, *The Biological Bulletin*, 2017-present
Editorial Board, *Frontiers in Marine Science,* 2019-2021

Funding Agencies

ad hoc reviews for National Science Foundation; Georgia Sea Grant; Leverhulme Trust; Portuguese Science Foundation, FONDECYT (Chile); KAUST
Review Panel, NSF Biological Oceanography, November 2012

Service: Synergistic Activities

Undergraduate Training

REU Mentor - Georgia Coastal Ecosystems LTER, 2006; Fungal Genomics & Computational Biology, 2007-2008; SUNFIG Mentor, 2009
NSF "Undergraduate Mentoring in Environmental Biology" SSE (2004-2006)
Sustainability in the Curriculum workshop participant, UGA CTL, May 2013
CTL Writing Fellow, 2014-2015
UGA Honors Program Lunchbox, 2016
STaRS career fair, Georgia Gwinnett College, April 2013
"About Graduate School" Panelist, 2015 SEEC Conference, Athens, GA, March 2015
2021 DNA Barcoding of Freshwater Mussels, Albany State University and Flint Riverquarium Partnership

International Outreach

Marine Phylogeography Workshop, Universidad Catolica del Norte, Coquimbo, Chile, November 2011
UC-MEXUS advisor (2004-2005)
Judge, AAAS Workshop "Empowering Minority Engineers & Scientists to Reach for Graduate Education" (2005); Western Society of Naturalists Student Presentations (2005); Benthic Ecology Meeting (2010)

Organizational

Symposium Organizer, International Biogeographic Society (2007)
Steering Committee for Biodiversity Science and Education Initiative (2005-2007)

NSF Biological Oceanography ECCO Marine Adaptation Workshop (2010)
Organizer, Union of Athens Scientists (2017)
Steering Committee, RCN-Evolution in Changing Seas (2018-2021)

Online

contributor, *EEB & Flow* science blog (evol-eco.blogspot.com) in 2010
contributor, *TheSeaMonster.net* ocean science blog
http://theseamonster.net/2012/11/evolution-in-the-changing-oceans/
http://theseamonster.net/2013/01/turbulence/

Community

LemonAid Volunteer, 2011 (http://lemonaid.uga.edu/) – explaining coral disease and diversity research to local 4th grade students at Fowler Drive Elementary
Funded Biological Illustration BS student Melissa Merrill to do first illustration of *Notochthamalus scabrosus* since Darwin's 1854 monograph
President, Friends of the Georgia Museum of Natural History, 2017-2021
At-large board member, SORBA-Athens, 2020-2022
Volunteer, BikeAthens, 2010-present

Funding & Awards, other

Pending

Strauss, Cortez, and Wares. *in revision for resubmission*.

Current

NSF-DEB-2344084 Collaborative Research: Gluers, Grippers , and Gougers: Host-adapted Diversification of Barnacles Epizootic with Marine Megafauna and their Turtlescape Genomics, $340988 (2024-2027)

NSF-LTER-2425396 Georgia Coastal Ecosystems V, $7.5M, 2025-2031 (co-PI)

Paint Rock/USFS 2024-2026 support for genomic exploration of rare uplands Alabama *Crataegus austromontanus* ($13852)

USFS/GLRI Research Joint Venture Agreement JV-11242313-011, Assessing native mussel distribution and connectivity to prioritize restoration activities, 2025-2028, $472996

Just completed

Collaborative Research: Selection and genetic succession in the intertidal - population genomics of **Pisaster ochraceus** during a wasting disease outbreak and

aftermath. National Science Foundation, 2017-2024, $264,233 + $78,450 Supplemental award in 2022

Prior

Provost Research Award, Population genetics and aquaculture of *Mytilus chilensis*, 2014-2015
Whiteley Center Fellow, Friday Harbor Laboratories, Summer 2014
FONDECYT (Chile) collaborator with Dr. Pilar Haye and Dr. Cris Gallardo-Escartin on aquacultural genetics and diversity in coastal Chile
National Institute of Health Kirchstein T-32 training grant for UGA Genetics, May 2011. Co-director and proposal writer, stepped down to be Graduate Coordinator.
National Science Foundation *Collaborative Research: Evaluating marine clines to predict larval retention;* PI, OCE Panel, February 2010 (NCE)
National Science Foundation *Collaborative Research: Ecology of a Reverse Zoonosis: Human-Environment Interactions in the Transmission, Persistence, and Virulence of White Pox Disease in Elkhorn Coral;* co-PI, EID Panel, December 2009, with NCE ends 2015
National Science Foundation *Collaborative Research: A mechanistic understanding of biogeographic patterns and life histories in advective environments*; Biological Oceanography panel, August 2009
US Department of Interior USFW *Genetic monitoring throughout the South Atlantic Ecosystem*; partnership with Greg Moyer, September 2011, **$133,480**
National Geographic Society *Coastal salt marshes and phylo-oceanography: Supply lines for a high productivity ecosystem;* 2008-2011, **$18,500 (PI)**
UGA Research Foundation *Evaluating the Evolutionary Stability of a Species*; 2009-10, **$9,455 (PI)**
National Science Foundation *Georgia Coastal Ecosystems LTER II*; NSF-OCE-0620959, 2006-2012, **$4,919,998 to team**
My role in this LTER has been population and landscape genetics in the GCE system of 8-10 invertebrate and some plant species, as well as ongoing population genetic analysis of other marsh herbivores.
U.S.-Israel Binational Science Foundation *Global Phylogeny of the Barnacle Genus Chthamalus;* BSF 2004/239, 2005-2009, **$125,000 (co-PI)**
Georgia Department of Natural Resources State Wildlife Grant *Integrative Assessment of Threatened Species of Mussels (Unionidae) in the Altamaha River Drainage, Georgia;* 2007-2009, **$25,932 (PI)**
UGA Research Foundation *Population Genetics of the Coastal Salt Marsh Community*; 2007-2008, **$7,220 (PI)**
UGA Research Foundation *Using Local Species Introductions to Explore Species Invasions*; 2006-7, **$7,000 (PI)**
UGA Research Foundation *Speciation in Tropical Intertidal Barnacles*; 2004-5, **$6,000 (PI)**

Awards
American Genetics Association Special Events Award Funding for *Workshop in Conservation and Biodiversity Genetics*, **$12,500**
International Geosphere-Biosphere Programme *Funding for International Biogeography Symposium on Marine Biodiversity*, 2006, **$4,000**
Most Reproductively Accurate Costume, *Friday Harbor Laboratories Invertebrates Ball,* 1996, 2016.

Mentoring

Postdoctoral Study
Edgardo Diaz-Ferguson, 2007-2009 (**URM researcher** funded by NSF-OCE-0620959)
Ron Eytan, 2010-2011 (funded by NSF-EID-1015342)
Safra Altman, 2011-2013 (NSF-OCE)
Christina Zakas, 2012 (funded by NSF-OCE-Chile)
Paula Pappalardo, 2013-2014 (funded by NSF-OCE)
Dusty Kemp, 2014 (NSF-EID)

Ph.D. mentor [currently **chair/co** for 3 PhD students, committee for 10 PhD students]

Chair or Co-Chair, Department of Genetics unless noted otherwise
Tina Bell (Ph.D. 2009) – now faculty at Brevard College
Scott Small (Ph.D. 2009) – currently postdoc at Case Western
John Robinson (Ph.D. 2011) – scientist with SC DNR
Christina Zakas (Ph.D. 2011) – postdoc at NYU
Meredith Meyers (coadvised; Ecology, Ph.D. 2013) – NGO, UCSD
Christine Ewers (Ph.D. 2015) – Zoological Museum, Kiel, Germany
Katie Bockrath (Ph.D. 2015) – Whitney Lab, USFW
Karen Bobier (coadvised; 2015-2020)
Kelly Petersen (Ecology, 2018-)
Paige Duffin (2018- 2024)
Margot Popecki (coadvised; 2018-2024)
Bryson Hilburn (2024-)

M.S.
Mary Rougeau Browning (coadvised; MS 2015) – Nursing school
Jared Bennett (coadvised, OSE Double Dawg 2022)
Peyton White (OSE Double Dawg, 2024-2025)

Graduate Committees (finishing date)

Judith Mank (Ph.D. 2006), Jessica Skyfield (Forestry - M.S. 2006), Chih-Horng Kuo (Ph.D. 2007), Reed Cartwright (Ph.D. 2006), Jodie Linder (Ph.D. 2009), Monica Poelchau (Ph.D. 2009), Eleanor Kuntz (Ph.D. 2011), Soo Hyung Eo (Forestry - Ph.D. 2008), Scott Cornman (Ph.D. 2006), Jeremy DeBarry (Ph.D. 2008), Ken Leonard (Ecology Ph.D. 2010), Rachel Mahan (Warnell M.S. 2012), Anna McKee (Warnell Ph.D. 2012), Jamie Winternitz (Ph.D. Ecology 2012), Tyler Kartzinel (Ecology, Ph.D 2012), Chip Small (Ecology, Ph.D. 2013), Rachel Katz (Ph.D. Ecology, 2014), Jared Lee (Genetics, Ph.D. 2014), Louisa Carter (Genetics, Ph.D. 2014), Cheryl Pinzone (Genetics, Ph.D. 2014), Ling Dong (Plant Biology, Ph.D. 2013), Becky Shirk (Plant Biology, Ph.D.2013), Jessica Joyner (Ecology Ph.D 2014), Marcus Zokan (Ecology PhD

2015), Jenna Hamlin (Genetics PhD 2015), Sarah Sander (Genetics Ph.D. 2015), Keri Kemp (Ecology PhD 2017), Anya Brown (Ecology PhD 2018), Sara Heisel (PhD 2019), Cara Love (Ecology, 2020), Amanda Shaver (Genetics PhD 2022), Paul Ginsberg (Genetics PhD 2022), Rachel Perez-Udell (Plant Biology PhD 2022), Mason McNair (Plant Biology PhD 2022), Jared Bennett (Ecology MS 2022), Julie Blaze (ECOL 2024), Hayley Robinson (WARN 2023), Samantha Bock (ECOL 2023), Paige Duffin (2024), Margot Popecki (2024), Theresa Erlenbach (2024), Inam Jameel (2024), Nathan Ashley (2024), Maisha Epps (2024), Melina Giakoumis (2024)

Samantha Bock (Ecology), Melina Giakoumis (City College of New York), Julie Blaze (Ecology), Inam Jameel (Genetics), Theresa Miorin (Genetics), Chris Smaga (ECOL), Kayla Garrett (IDIS), Miriam Edelkind (ENTO), Mariana Barros (MARS) **current n=13 with primary mentorships**

Undergraduate Research

Collin Closek (B.S. 2005), Nicole Umberger (B.S. 2007), John Binford (B.S. Honors 2007), Clare Scott (B.S. Honors 2007), Mary Pierce Zirkle (B.S. 2007), Laura Paynter (B.S. 2008), Martha Lane (B.S. 2009), Adam Smitherman (B.S. 2009), Dhara Patel (B.S. 2011), Kelly Laughlin (B.S. 2011), Bekah Lee (2012-2013), Kerem Kiliç (B.S. 2013), Danielle Heubel (B.S. 2015), Leah Besch (B.S. 2015), Tim Makinde (B.S. 2016), Neva Hope (B.S. 2016), Emma Pistole (B.S. 2016), Katelyn Chandler (posthumous B.S.), Kat Clancy (B.S. 2018), Katie Skoczen (B.S. 2018), Kat Christie (BS 2020), Adam Greer (BS 2020), Ivy Francis (BS 2020), Brady Griggs (BS 2020), Jared Bennett (DD), Ben Frick (ECOl 2024), Kimani Smith (GENE 2023), Gracie Lagarde (GENE 2024), Peyton White (ECOL 2024), Anderson Smith

Summer Research Experience for Undergraduates (*REU*)
Madeline Cozad (NSF LTER REU, B.S. 2006), Becky Miller (NSF Fungal Genomics), Jesyka Meléndez (**SUNFIG**, University of Puerto Rico)

Public Service

Athens-Clarke County State Court Juror, May 1 2006
Neighborhood Traffic Management Advisory Board, Athens-Clarke County, Jan. ‘07-’08
BikeAthens Board of Directors, June 2007-2008
Southern Off-Road Bicycle Association (SORBA), Secretary (2011), service 2010-2015, 2020-2022
Founder, Union of Athens Scientists, Science Athens, 2017

<u>Invited</u> Research Presentations

Southern Wesleyan University, March 2022
Dunwoody HS, October 2020
University of Maryland Baltimore County, May 2018
University of Tennessee, November 2017
CEID-UGA, July 2017

Friday Harbor Labs, June 2017
College of Charleston - September 2016
Skidaway Institute of Oceanography - April 2016
Auburn University - March 2012
Universidad Católica del Norte (Chile) - October 2011
Wrigley Institute of Environmental Sciences - May 2010
University of North Carolina at Asheville - February 2010
Crustacean Society International Meeting, invited symposium speaker, Tokyo - 2009
Emory University – January 2009
Pontificia Universidad Católica de Chile – April 2008
University of North Carolina – April 2008
University of Georgia, Odum School of Ecology – October 2007
University of Tennessee – September 2007
Penn State University – May 2007, BGSA Sponsored Speaker
Clemson University – October 2006
UGA-American Fisheries Society – 2006
Hawai'i Institute of Marine Biology – August 2005
University of South Carolina – February 2005
Ecological Society of America, invited symposium speaker – August 2004
NCEAS – Invasive Species Working Group – March 2004, October 2005
UC Berkeley - September 2003
Scripps Institute of Oceanography - October 2002

Past Proposals Submitted/Not Funded

Collaborative Research (Wares, Kelly, Govindarajan, Chan) [NSF]
NSF proposal with J. E. Byers (info)
Lineage characterization, microgeographic distribution, and regional dispersal in the invasive clinging jellyfish **Gonionemus**. Woods Hole Sea Grant, 2018-2020, $150,074
National Geographic Society Committee for Research and Exploration*, submitted 8-29-2016, $17,000* for disease work on the intertidal seastar *Pisaster ochraceus*
National Science Foundation, Biological Oceanography, *submitted 8-15-2016, $745000* for work on the invasive porcelain crab *Petrolisthes armatus* (Jeb Byers, co-PI)
National Science Foundation pre-proposal, 2015; declined
National Science Foundation CNIC program, January 2014. US-Chile planning visit to establish phylogeography as a predictive tool in mussel aquaculture. **$74,780, declined summer 2014.**
National Institute of Health, "Using ecological models to quantify cellular communities", declined spring 2014
National Geographic Society, declined November 2012 (Patagonian phylogeography)
National Institute of Health, *A Biogeography of the Developing Thymus*, co-PI with Nancy Manley and Andrew Sornborger, ~$1.5 million, April 2010, 2011
National Science Foundation, *Collaborative Research: RAPID: Microbial community and pathogen response to the Deepwater Horizon oil spill in scleractinian corals Acropora palmata and Montastrea faveolata,* Jim Porter, Erin Lipp, $122,170, June '10
National Science Foundation *Genetic Assessment of Freshwater Mussel Diversity: Effects of Impoundments on Rivers*; Evolutionary Processes panel, July 2009, **$481,670 (PI)**
National Fish and Wildlife Foundation, *Coral Reef Conservation Fund: Effectiveness of new fisheries regulations in Belize*, October 2009, co-PI
National Science Foundation *Phylo-Oceanography of the South American Pacific Coast: Barnacles as Model Organisms*; Biological Oceanography panel, February 2009, $205,900
National Institutes for Health *A Community Ecology-Based Multiscale Model of the Thymus*; 2009-2012, co-PI with N. Manley, $1.25m
U.S. Department of Defense Freshwater Macroinvertebrate Investigations EL-13 FY 2008, *Genetic assessment of freshwater mussel diversity: Impoundments on Rivers*; $125,375
National Science Foundation co-PI on RUI proposal
Gates Foundation Ecology & Development of Mouse Thymus (2008)
National Science Foundation "CAREER: Biased Migration and the Maintenance of Marine Diversity", July 2007, $644,000
Georgia Sea Grant Exploration of coastal dynamics using invasive Petrolisthes armatus; Amanda Hollebone, Georgia Southern University, co-PI, 2007, $73,934
Florida FWC "A New Species of Coral in Florida", $65,238, 2007, co-PI with J. W. Porter, Ecology
National Science Foundation "Molecular Evolution as an Approach to Southeastern Biogeography", $230,943 July 2006
National Science Foundation IGERT"Conservation Biogeography: Improving the natural and social science basis for conservation in a global-change world." Co-PI with S. Hubbell (Plant Biology), P. Gowaty (Ecology), D. Sax (Ecology), P. Brosius (Anthropology); March 2006 (<u>also in 2005</u>).
National Science Foundation "Correlating biodiversity measures in the North Atlantic Peracaridean fauna," $405,516 Jan. 2006 *and* January 2005