

JONATHAN B. PURITZ JR.

Department of Biological Sciences
University of Rhode Island
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EDUCATION

- 2011 **Ph.D. in Zoology, University of Hawaii at Manoa**
Committee: Rob Toonen, Brian Bowen, Steve Karl, Megan Donahue, Shannon Bennett
- 2005 **B.S. in Biology with Honors, Brown University**
Advisors: Jon Witman and David Rand

PROFESSIONAL APPOINTMENTS

- 2017- **Assistant Professor**
Department of Biological Sciences, University of Rhode Island
- 2016-17 **Postdoctoral Research Associate**
Marine Science Center, Northeastern University
- 2014-16 **Postdoctoral Research Associate, Adjunct Graduate Faculty**
Harte Research Institute, Texas A&M Corpus Christi
- 2012-14 **Postdoctoral Research Associate**
Department of Wildlife and Fisheries Science, Texas A&M University
- 2012 **Postdoctoral Scholar, Lecturer**
Hawaii Institute of Marine Biology, University of Hawaii at Manoa

PUBLICATIONS

Statistics (Google Scholar Accessed 05/10/2021)

1618 Citations

27 Peer reviewed journal articles and book chapters

19 h-index

Pre-prints, accepted manuscripts, and manuscripts under review

- 2021 Hart, M. W. Guerra, V., Byrne, M., **Puritz, J.B.** Genomic data improve coalescent inference across a range of demographic parameters and life-histories. **Under Review at *Evolutionary Applications***. Preprint DOI: 10.22541/au.159990335.58331776
- 2021 Trigg, S.A., Venkataraman, Y.R., Gavery, M., Roberts, S.B., Bhattacharya, D., Downey-Wall, A., Eirin-Lopez, J.M., Johnson, K.M., Lotterhos, K.E., **Puritz, J.B.**, Putnam, H.M., 2021. Invertebrate methylomes provide insight into mechanisms of environmental tolerance and reveal methodological biases. *bioRxiv*.

Published

- 2021 Modak, T. H., Literman, R., Puritz, J.B., Johnson, K. J., Roberts, E. M., Proestou, D., Guo, X., Gomez-Chiarri, M., Schwartz, R. S. Exceptional genome-wide copy number variation in the eastern oyster (*Crassostrea virginica*). **Accepted at *Phil. Trans. R. Soc. B***.
- 2021 Catalano, K. A., Dedrick, A. G., Stuart, M. R., Puritz, J. B., Montes Jr., H. R., Pinsky, M. L. Quantifying dispersal variability among nearshore marine populations. ***Molecular Ecology***. DOI: 10.1111/mec.15732

- 2020 Hart, M.W. and **Puritz, J.B.** Correction to 'Extraordinarily rapid life-history divergence between *Cryptasterina* sea star species'. ***Proceedings of the Royal Society B***, 287(1930), p.20201325. DOI: 10.1098/rspb.2020.1325
- 2018 O'Leary, S.J., **Puritz, J. B.**, Willis, S.C., Hollenbeck, C.M. and Portnoy, D.S., 2018. These aren't the loci you're looking for: Principles of effective SNP filtering for molecular ecologists. ***Molecular ecology***. DOI: 10.1111/mec.14792
A top downloaded paper of 2019
- 2018 Schiebelhut, L.M., **Puritz, J. B.**, and Dawson, M.N. Decimation by sea star wasting disease and rapid genetic change in a keystone species, *Pisaster ochraceus*. ***Proceedings of the National Academy of Sciences***, p.201800285.
- 2018 **Puritz, J. B.**, and Lotterhos, K. E. Expressed Exome Capture Sequencing (EecSeq): a method for cost-effective exome sequencing for all organisms with or without genomic resources. ***Molecular Ecology Resources***. DOI: 10.1111/1755-0998.12905
- 2017 **Puritz, J. B.**, Keever, C. C., Addison, J. A., Barbosa, S. S., Byrne, M., Hart, M. W., Grosberg, R. K., Toonen, R. J. Life history predicts past and present population connectivity in two sympatric sea stars. ***Ecology and Evolution***. DOI: 10.1002/ece3.2938
- 2017 Willis, S. C., Hollenbeck, C. M., **Puritz, J.B.**, Gold, J. R., Portnoy, D. S. Haplotyping RAD loci as an efficient method to characterize and filter paralogs and manage linkage disequilibrium. ***Molecular Ecology Resources***. DOI: 10.1111/1755-0998.12647
- 2016 **Puritz, J. B.**, Portnoy, D. S., Gold, J. R. Fine-scale partitioning of genomic variation among recruits in an exploited fishery: causes and consequences. ***Scientific Reports***. DOI: 10.1038/srep36095
- 2016 Selkoe, K.A., D'Aloia, C. C., Crandall, E. D., Iacchei, M. I., Liggins, L., **Puritz, J. B.**, von der Heyden, S., Toonen, R. J. A decade of seascape genetics: contributions to basic and applied marine connectivity. ***Marine Ecology Progress Series*** 554: 1-19. doi:10.3354/meps11792
Feature Article
- 2015 Portnoy, D. S., **Puritz, J. B.**, Hollenbeck, C. M., Gelsleichter, J., Chapman, D., Gold, J. R. Selection and sex-biased dispersal in a coastal shark: the influence of philopatry on adaptive variation. ***Molecular Ecology*** 24: 5877–5885. doi: 10.1111/mec.13441
- 2015 Gold, J. R., Willis, S. C., Renshaw, M. A., Buentello, A., Walker, Jr., H. J., **Puritz, J. B.**, Hollenbeck, C. M., Voelker G. Phylogenetic relationships of tropical eastern Pacific snappers (Lutjanidae) inferred from mtDNA sequences. ***Systematics and Biodiversity***
DOI:10.1080/14772000.2015.1078857
- 2014 **Puritz, J.B.**, Matz, M. V., Toonen, R. J., Weber, J. N., Bolnick, D. I., Bird, C. E. Comment: Demystifying the RAD fad. ***Molecular Ecology*** 23: 5937–5942. doi: 10.1111/mec.12965
2nd Most Accessed Paper for 2014-2015
- 2014 **Puritz, J. B.**, Hollenbeck, C. M., Gold, J. R. *dDocent*: a RADseq, variant-calling pipeline designed for population genomics of non-model organisms. ***PeerJ*** 2:e431
<http://dx.doi.org/10.7717/peerj.431>
- 2014 **Puritz, J. B.**, Renshaw, M. A., Abrego, D., Vega, R. R., Gold, J. R. Reproductive variance of brood dams and sires used in restoration enhancement of spotted seatrout (*Cynoscion nebulosus*) in Texas bays and estuaries. ***North American Journal of Aquaculture*** 76:407-414

- 2013 Toonen, R. J., **Puritz, J. B.**, Forsman, Z.H., Whitney, J. L., Fernandez-Silva, I., Andrews, K. A., Bird, C. E. ezRAD: a simplified method for genomic genotyping in non-model Organisms. *PeerJ* 1:e203 <http://dx.doi.org/10.7717/peerj.203>
- 2013 Keever, C., **Puritz, J. B.**, Addison, J. A., Byrne, M., Grosberg, R. K., Toonen R. J., Hart, M.W. Shallow gene pools in the high intertidal: Extreme loss of genetic diversity in viviparous sea stars (Parvulastra). *Biology Letters* 9:20130551 doi:10.1098/rsbl.2013.0551
- 2013 Andrews, K. R., Perrin, W. F., Oremus, M. Karczmarski, L., Bowen, B. W., **Puritz, J. B.**, Toonen, R. J. The evolving male: spinner dolphin (*Stenella longirostris*) ecotypes are divergent at Y chromosome but not mtDNA or autosomal markers. *Molecular Ecology* 22: 2408-2423
- 2013 Barbosa, S., Klaten, S., **Puritz, J. B.**, Toonen, R. J., Byrne, M. Very fine scale population genetic structure of sympatric asterinid sea stars with benthic and pelagic larvae: influence of mating system and dispersal potential. *Biological Journal of the Linnean Society* 108: 821-833
- 2013 **Puritz, J. B.** and Toonen, R. J. Next-generation sequencing for high-throughput molecular ecology: a step-by-step protocol for targeted multilocus genotyping by pyrosequencing. Chapter in *Methods in Molecular Biology: Microsatellites*. Volume Editor: Kantartzi, S. K. Pages 89-99
- 2012 **Puritz, J. B.**, Keever, C. C., Addison, J. A., Byrne, M. Hart, M. W, Grosberg, R. K., Toonen, R. J. Extraordinarily rapid life history divergence between *Cryptasterina* sea star species. *Proc. R. Soc. B.* 279: 3914-3922
- 2012 **Puritz, J. B.**, Addison, J. A., Toonen, R. J. Next-Generation Phylogeography: the application of targeted next-generation sequencing of non-model organisms. *PLoS One* 7(3): e34241. doi:10.1371/journal.pone.0034241
- 2011 **Puritz, J. B.** and Toonen, R. J. Coastal Pollution Limits Pelagic Larval Dispersal. *Nature Communications* 2:228
- 2011 Toonen, R. J., Andrews, K. R., Baums, I. B., Bird, C. E., Concepcion, G. T., Daly-Engel, T. S., J. Eble, A. Faucci, M. Gaither, M. Iacchei, **J. Puritz**, J. Schultz, D. Skillings, M. Timmers & B. Bowen. Defining boundaries for ecosystem-based management: A multispecies case study of marine connectivity across the Hawaiian Archipelago. *Journal of Marine Biology* DOI: 10.1155/2011/460173
- 2009 Keever, C. C., Sunday, J., **Puritz, J. B.**, Addison, J. A., Toonen, R. J., Grosberg, R. K., Hart, M. W. Discordant distributions of populations and genetic variation in a sea star with high dispersal potential. *Evolution* 63: 3214-3227
- 2008 Haney, R. A., Dionne, M., **Puritz, J. B.**, Rand, D. M. The comparative phylogeography of east coast estuarine fishes in formerly glaciated sites: Persistence versus Recolonization in *Cyprinodon variegatus ovinus* and *Fundulus heteroclitus macrolepidotus*. *Journal of Heredity* 100: 284-296
- 2005 Walker, A. N., Bush, P., **Puritz, J. B.**, Wilson, T., Chang, E. S., Miller, T., Holloway, K., Horst, M. N. Bioaccumulation and metabolic effects of the endocrine disruptor methoprene in the lobster, *Homarus americanus*. *Integrative and Comparative Biology* 45: 118-126

GRANTS AWARDED

Total funding = \$2,040,153

2021	National Science Foundation <i>How do multiple coastal stressors structure the genomic diversity of marine populations?</i> (PI Puritz; Total to Puritz: \$680,898; Project Total: \$680,898)	\$680,898
2020	National Science Foundation <i>EAGER: Development of a tool to rapidly and cost-effectively sequence the exome of any organism</i> (PI Puritz; Total to Puritz: \$298,978; Project Total: \$298,978)	\$298,978
2019	Rhode Island Sea Grant <i>How do multiple coastal stressors limit oyster recruitment?</i> (PI Puritz; Total to Puritz: \$249,192; additional \$124,617 in match Project Total: \$373,809)	\$249,192
2019	US Fish and Wildlife Service <i>Assessing Horseshoe Crab Population Structure within Southern New England</i> (PIs: McManus, Ameal, and Puritz; Total to Puritz \$80,435; additional match: \$43,302 (URI) & \$13,992 DEM; Project Total: \$163,715)	\$80,435
2019	Atlantic Coast Marine Fisheries Council <i>From Sequence to Consequence: Genomic Selection to Expand And improve Selective Breeding for The Eastern Oyster</i> (Eastern Oyster Breeding Consortium; URI PIs: Puritz and Gomez-Chiarri; Total to URI: \$690,000; Project Total: \$4,363,092)	\$690,000
2016	Harte Research Institute Staff Innovations Grant (Declined) Collaborative proposal to investigate evolutionary impacts of barotrauma in red snapper	\$5,000
2015	Texas Research Development Fund Program <i>Impacts of sewage effluent on genomic diversity and connectivity of marine intertidal communities</i>	\$20,000
2011	NSF East Asian Pacific Science Institute Fellowship Fellowship for two months of research at the University of Sydney	\$8,000
2011	University of Hawaii Graduate Student Organization Travel Grant for 2011 Annual Meeting of the Western Society of Naturalists	\$750
2010	University of Hawaii Graduate Student Organization Travel Grant for 2010 Benthic Ecology Meeting	\$900
2009	University of Hawaii Graduate Student Organization Research grant for sample collection trip to California	\$750
2008	The Charles H. and Margaret B. Edmondson Research Fund Research on the population connectivity of <i>Linckia multifora</i>	\$1,500

2007	Ecology, Evolution, and Conservation Biology Travel Grant Travel Grant for 2007 Annual Meeting of the Western Society of Naturalists	\$750
2007	University of Hawaii Arts and Sciences Advisory Council Award Research expedition to the Chagos Archipelago	\$3,000

TEACHING EXPERIENCE

Classes

2021	Instructor, University of Rhode Island BIO 425G: The origins and fate of marine biodiversity: a larval perspective
2020	Instructor, University of Rhode Island BIO 354: Invertebrate Zoology
2019	Instructor, University of Rhode Island BIO 425G: The origins and fate of marine biodiversity: a larval perspective
2019	Instructor, University of Rhode Island BIO 130: Invertebrate Zoology
2019	Instructor, University of Rhode Island BIO 354: Invertebrate Zoology
2019	Instructor, University of Rhode Island BIO 594: Using genomic techniques to examine the evolution of populations
2018	Instructor, University of Rhode Island BIO 354: Invertebrate Zoology <ul style="list-style-type: none"> ▪ Includes rebuilding curriculum for both lecture and lab
2018	Instructor, University of Rhode Island BIO 594: Using genomic techniques to examine the evolution of populations <ul style="list-style-type: none"> ▪ New Graduate Class offered for the first time
2017	Co-Instructor, University of Rhode Island BIO 354: Invertebrate Zoology
2017	Guest Lecturer, University of Rhode Island BIO 360: Marine Biology (1 class, Fall semester)
2012	Lecturer, University of Hawaii at Manoa Instructor of record for Biology 404: Advanced Topics in Marine Biology <ul style="list-style-type: none"> ▪ Capstone class for seniors majoring in Marine Biology

Workshops

2015-18	Invited Faculty, Winter School, ETH Zürich, Switzerland Bioinformatics for Adaptation Genomics: Adaptation genomics in the realm of Next-Generation Sequencing data analysis <ul style="list-style-type: none"> ▪ Funded by Adaptation to a Changing Environment initiative, ETH Zürich, Switzerland ▪ Responsible for whole day workshop on “Extracting SNP data from NGS sequencing”
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- 2015 **Invited Faculty, Nha Trang University, Vietnam**
 Training workshop for Next Generation Sequencing
- Funded by the project "Building a Mekong River genetic biodiversity research network" in the PEER program funded by USAID in the process of project implementation, NTU partnered with Old Dominion, and Texas A & M University Corpus Christi.
 - Responsible for multiple day workshop on RADseq Bioinformatics
- 2014 **Invited Faculty, De LaSalle University, Manila, Philippines**
 Pacific Advanced Science Institute (PacASI) sponsored workshop: "Introduction to Genome Data Analysis: Assembly, Annotation, and Application."
- PacASI is a partnership between the Center for Natural Science and Ecological Research at De La Salle University and the National Science Foundation Partnerships for Enhanced Engagement in Research.
 - Responsible for several lectures and hands on workshops designed for international students' first engagement with genome scale data.
- 2013 **Invited Faculty, Hawaii Institute of Marine Biology**
 29th Annual Edwin W. Pauley Summer Program: "Advancing tools for biodiversity studies: Genomics and bioinformatics of cnidarians with a focus on corals"
- Responsible for developing and overseeing student research projects and for a workshop on RAD Sequencing

INVITED PRESENTATIONS

- 2018 **Coastal pollution, next-generation sequencing, and the evolution of marine populations**
 Department of Marine Sciences- University of Connecticut Avery Point
- 2018 **Coastal pollution, next-generation sequencing, and the evolution of marine populations**
 Graduate School of Oceanography- University of Rhode Island
- 2018 **Coastal pollution, next-generation sequencing, and the evolution of marine populations**
 Ecology and Evolutionary Biology Department- Brown University
- 2017 **Expressed Exome Capture Sequencing: a method for cost-effective exome sequencing for all organisms**
 Cellular and Molecular Biology Department- University of Rhode Island
- 2017 **Coastal pollution, next-generation sequencing, and the evolution of marine populations**
 Biology Department- Woods Hole Oceanographic Institution
- 2016 **Harnessing the power of next-generation sequencing to examine the evolution of marine populations**
 Department of Biological Sciences- University of Rhode Island
- 2015 **Using next-generation sequencing to examine patterns of coastal genomic diversity**
 Department of Biology Seminar- University of Louisiana at Lafayette
- 2015 **Using next-generation sequencing to examine patterns of coastal genomic diversity**
 Marine Science Center Seminar- Northeastern University

- 2015 **The Seascape Genetics of Coastal Pollution**
Waterscape Genetics- New Perspectives on Connectivity in Fluid Environments Symposium at the International Association of Landscape Ecology World Congress
- 2013 **Impacts of Coastal Pollution and Life-History on Marine Population Connectivity**
Biological Sciences Seminar- Old Dominion University
- 2012 **The Impacts of Coastal Pollution on Marine Population Connectivity**
Harte Research Institute Seminar Series- Texas A&M Corpus Christi
- 2012 **The Impacts of Coastal Pollution on Marine Population Connectivity**
Wildlife and Fisheries Sciences Brown Bag Seminar- Texas A&M University
- 2009 **“The Frontiers of Conservation Genetics: From Genes to Genomes”** Hanauma Bay Education Program Lecture Series- Hanauma Bay Nature Preserve

CONFERENCE PRESENTATIONS (LAST 5 YEARS)

post-baccalaureate mentee, * graduate student mentee

- 2020 **Unlocking the Exome: exploring de novo assembly options for capture sequencing**
Green*, J. M., and Puritz J. B. National Shellfishery Association Meeting. Baltimore, MD.
Cancelled due to Covid-19
- 2020 **Assessing the evolutionary response of eastern oyster larvae to exposure to coastal acidification and sewage effluent: a CASE study**
Puritz, J. B., Harvey, J. A., and Lotterhos K. E. National Shellfishery Association Meeting. Baltimore, MD.
Cancelled due to Covid-19
- 2019 **Assessing the evolutionary response of eastern oyster larvae to exposure to coastal acidification and sewage effluent: a CASE study**
Puritz, J. B., Harvey, J. A., and Lotterhos K. E. Evolution. Providence, RI.
- 2019 **Assessing the evolutionary response of eastern oyster larvae to exposure to coastal acidification and sewage effluent: a CASE study**
Puritz, J. B., and Lotterhos K. E. Aquaculture 2019. New Orleans, LA.
- 2018 **Expressed Exome Capture Sequencing: a method for cost-effective exome sequencing for all organisms**
Puritz, J. B., and Lotterhos K. E. Global Invertebrate Genome Alliance. Curacao.
- 2018 **Expressed Exome Capture Sequencing (EecSeq): a method for cost-effective exome sequencing of non-model organisms**
Puritz, J. B., and Lotterhos K.E. National Shellfishery Association Meeting. Seattle, WA.
- 2017 **Expressed Exome Capture Sequencing: a method for cost-effective exome sequencing for all organisms**
Puritz, J. B., and Lotterhos K.E. Western Society of Naturalists. Pasadena, CA.
- 2017 **Expressed Exome Capture Sequencing: a method for cost-effective exome sequencing for all organisms**
Puritz, J. B., and Lotterhos K.E. Evolution. Portland, OR.

- 2017 **Expressed Exome Capture Sequencing (EecSeq): a method for cost-effective exome sequencing of non-model organisms**
Puritz, J. B., and Lotterhos K.E. National Shellfishery Association Meeting. Knoxville, TN.
- 2016 **Mind the gap: the effects of INDELs and over-splitting on population genetic inference from RAD sequencing**
Puritz, J. B., Portnoy, D. S., Gold, J. R. Evolution. Raleigh, NC
- 2016 **Testing the Genomic Impacts of the DWH Oil Spill on Red Snapper**
Puritz, J. B., Portnoy, D. S., Gold, J. R. Gulf of Mexico Oil Spill and Ecosystem Science Conference. Tampa Bay, FL.
- 2015 **Variable patterns of genomic diversity in young-of-the-year Red Snapper (*Lutjanus campechanus*) in the northern Gulf of Mexico**
Puritz, J. B., Portnoy, D. S., Gold, J. R. American Fisheries Society. Portland, OR.
- 2014 **Genomic Studies of Red Snapper (*Lutjanus campechanus*) in U.S. Waters of the Gulf of Mexico and Atlantic Ocean**
Puritz, J. B., Hollenbeck, C. M., Gold, J. R. Evolution.

CONFERENCE POSTERS (LAST 5 YEARS)

post-baccalaureate mentee, * graduate student mentee

- 2020 **Investigating the effects of coastal stressors on the connectivity of oyster populations in Narragansett Bay**
Zyck*, A., Gallagher#, A., Padro#, N., Puritz J. B. National Shellfishery Association Meeting. Baltimore, MD.
Cancelled due to Covid-19
- 2020 **CASE-ing out the transcriptomics of multiple coastal anthropogenic stressors on eastern oyster larvae**
Schedl#, M., Harvey, J. A., Lotterhos, K. E., Puritz, J. B. National Shellfishery Association Meeting. Baltimore, MD.
Cancelled due to Covid-19
- 2020 **Understanding the effects of multiple stressors on oyster larvae**
Tarrant#, M., Zyck*, A., Schedl#, M., Puritz J. B. National Shellfishery Association Meeting. Baltimore, MD.
Cancelled due to Covid-19
- 2019 **Assessing the evolutionary response of eastern oyster larvae to exposure to coastal acidification and sewage effluent: a CASE study**
Puritz, J. B., Harvey, J. A., Lotterhos K.E. Gordon Research Conference: Ecological and Evolutionary Genomics.
- 2019 **Expressed Exome Capture Sequencing: a method for cost-effective exome sequencing for all organisms**
Puritz, J. B., and Lotterhos K.E. Evolution. Providence, RI.
- 2019 **CASE-ing out the transcriptomics of multiple coastal stressors**
Schedl#, M., Harvey, J. A., Lotterhos, K. E., Puritz, J. B. Evolution. Providence, RI.
- 2019 **Understanding the impacts of sewage effluent on the genomic diversity and population connectivity of the fiddler crab (*Uca rapax*)**
Zyck*, A. H., Dimens, P., Willis, S., Portnoy, D., Puritz J. B. Evolution. Providence, RI.

- 2019 **An Analysis of Population Structure, Genetic Variation and Outlier SNPs in the Eastern Oyster, *Crassostrea virginica***
Weedop, K. B., Freeman, K., Roberts, E., Proestou, D., Puritz, J. B., Gomez-Chiarri, M., and Lotterhos K. E. *Evolution*. Providence, RI.
- 2019 **Unlocking the exome: exploring de novo assembly options for expressed exome capture sequencing**
Green*, J. M., and Puritz J. B. *Evolution*. Providence, RI.
- 2018 **Unlocking the Exome: exploring de novo assembly options for capture sequencing**
Green#, J. M., and Puritz J. B. *Western Society of Naturalists*.
- 2015 **Fishing for selection, but only catching bias: examining library effects in double-digest RAD data in non-model marine species**
Puritz, J. B., Hollenbeck, C. M., Gold, J. R. *Plant and Animal Genomes*. San Diego, CA.

MENTORING

Undergraduate

- 2020- Nina Padro, Anna Sorgie, Nadia Moss, Seraphina Satkowski, Allison Gallagher
2019-2020 Melati Tarrant, Allison Gallagher, Nina Padro
2018-2019 Emma Ferrante, Kevin Dyer, Marygrace Trousdell
2017-2018 Elliot Vosburgh, Kate Leiden

Primary Graduate Advisor

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|-------|----------------|------|---------------------------------------|
| 2020- | Megan Guidry | PhD. | Biological and Environmental Sciences |
| 2019- | Natalie Ameral | MS. | Biological and Environmental Sciences |
| 2019- | Jacob Green | PhD. | Biological and Environmental Sciences |
| 2018- | Amaelia Zyck | PhD. | Biological and Environmental Sciences |

Graduate Committees

- 2019- Benjamin Ha, PhD. Ecology and Evolutionary Biology (UCLA).
2019- Ian Bishop, PhD. Graduate School of Oceanography.
2019- Samuel Gurr, PhD. Biological and Environmental Sciences.
2018- Erin Borbee, PhD. Biological and Environmental Sciences.
2019 Martin Hellwig, PhD. Computer Science.
2018-19 Evelyn Takyi, MS. Biological and Environmental Sciences
2014-15 Patricia M. Cockett, MS. Biology (Texas A&M Corpus Christi).

PROFESSIONAL SERVICE

- 2018- **Functional Re-annotation of Oyster Genomes with Epigenetic Resources (FROGER) working group**
Participant
- 2018- **Moorea Coral Reef LTER Connectivity working group**
Participant
- 2018- **Equity, inclusion, diversity committee, Biological Sciences**
Member
- 2018- **Committee to establish a graduate Data Science Program at URI**

Member

- 2017- **Eastern Oyster Genome Consortium working group**
Participant, leading genome description manuscript
- 2014- **dDocent RADseq Bioinformatics pipeline**
Developer, software has over 32,000 downloads and website with 40,000 visitors
- 2019 **Faculty host at URI Welcome Day**
- 2018-2019 **Ad hoc committee for Cruickshank Lecture, Biological Sciences**
Chair
- 2018 **The power of RNA: Broad application of RNA-based sequencing for transcriptome and genome analysis**
Science Webinar- AAAS ([LINK](#))
- 2017 **Faculty host at URI Fall Open House (both events)**
- 2015-16 **HRI Senior Research Staff Steering Committee Member**
Initiated the HRI Staff Innovations Grant Program

Peer Reviewer

Proceedings of the Royal Society B
JEMBE
Molecular Ecology
BioScience
Conservation Genetics Resources
Aquatic Biology
PLoS Genetics
Nature Protocols
Molecular Ecology Resources (X3)
Methods in Ecology and Evolution
G3: Genes/Genomes/Genetics

Ecology and Evolution
MEPS
Journal of Heredity
PLoS One
Heredity
Genetica
Axios
Open Science
Genome Biology and Evolution
Hydrobiologia
New Zeal J Mar Fres

Evolution
Biological Invasions
Marine Biology
Conservation Genetics
Transactions of AFS
PeerJ
Biology Letters
Journal of Fish Biology
Scientific Reports
Diversity and Distribution
NSF: Bio. Oce.

AWARDS AND HONORS

- 2015 **Top 300 Reviewers of Molecular Ecology**
- 2009,11 **Best Paper Honorable Mention, Albert L. Tester Memorial Symposium**
- 2005-06 **National Science Foundation Graduate Research Fellowship Honorable Mention**

PUBLIC OUTREACH

- 2017- **Skype a Scientist**
The Skype a Scientist matches scientists with classrooms around the world! Scientists will skype into the classroom for 30-60 minute Q and A sessions that can cover the scientist's expertise or what it's like to be a scientist
- 2016- **Scientist Pen pal**
Working with Letters to a Pre-Scientist (<http://www.prescientist.org>) to connect with middle school students who want to learn more about being a scientist

- 2007- **Underwater Photographer**
Photo chosen for "Featured Image" for *PeerJ* (Nov 2013)
Photo chosen for "Image of the Week" for *Nature Communications* (March 2011)
Images have appeared in several publications including NOAA public reports, the Division of Land and Natural Resources Hawaii outreach posters, and several HIMB and UC Davis press releases.
- 2016 **Nahant Coastal BioBlitz**
Sponsored by the Ocean Genome Legacy and Northeastern University Marine Science Center- Volunteer Photographer and Scientist
- 2016 **BLUE On Tour Film Festival-Corpus Christi**
Sponsored by the Harte Research Institute-Volunteer Social Media Coordinator
- 2010-11 **Participant in the Pacific Symposium for Science and Sustainability**
Judged and moderated a high school science competition
- 2007-11 **Scientific Blogger**
Created a blog to document the experience of being an NSF EAPSI fellow in Australia.
jbpaustralia2011.wordpress.com
Created a blog to document field research experience aboard the NOAA R/V Hi'ialakai, Northwestern Hawaiian Islands Research cruise in September of 2007.
<https://sites.google.com/site/jpuritz/cruise>
Google changed this service and formatting for this webpage is no longer correct

TRAINING AND CERTIFICATIONS

- 2014-16 **Texas A&M Corpus Christi Scientific Diver (AAUS Reciprocity)**
- 2005-12 **University of Hawaii Scientific Diver (AAUS Reciprocity)**
- 2007 **NOAA Advanced Coxswain**