

Jose Eirin Lopez
Spring 1995 - Spring 2024
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Work Experience

Full Time Academic

- Assistant Professor, Biological Sciences, Florida International University, Miami, FL, August 2013, July 2019
[Type Work Experience: Full Time Academic]
- Assistant Professor, Cellular and Molecular Biology, University of A Coruna, A Coruna, Spain, January 2009,
August 2013 [Type Work Experience: Full Time Academic]
- Adjunct Professor, Molecular Biology, University of Leon, Leon, Spain, January 2009, June 2009 [Type Work
Experience: Full Time Academic]
- ERC Marie Curie Postdoctoral Research Associate, Biochemistry and Microbiology, University of Victoria,
Victoria, Canada, BC, January 2006, June 2008 [Type Work Experience: Full Time Academic]
- Postdoctoral Research Associate, Biochemistry and Microbiology, University of Victoria, Victoria, Canada, BC,
September 2005, December 2005 [Type Work Experience: Full Time Academic]
- Visiting Scholar, Developmental Biology, Center of Biological Investigation, Spanish Research Council, Madrid,
Spain, December 2004, March 2005 [Type Work Experience: Full Time Academic]
- Graduate student, Cellular and Molecular Biology, University of A Coruna, A Coruna, Spain, September 1999,
January 2005 [Type Work Experience: Full Time Academic]
- Visiting Scholar, Ocean Research Institute, Otsuchi Marine Research Center, University of Tokyo, Otsuchi,
Japan, January 2001, March 2001 [Type Work Experience: Full Time Academic]
- Visiting Scholar, Developmental Biology, Center of Biological Investigation, Spanish Research Council, Madrid,
Spain, October 2000, December 2000 [Type Work Experience: Full Time Academic]
- Associate Professor, Biological Sciences, Florida International University, Miami, FL, August 2019, Ongoing
[Type Work Experience: Full Time Academic]

Scholarly Publications and Creative Activities

Book

- Eirin-Lopez, J. M. (2013). *About Evolution: keys to understanding how our genetic material evolves*(University of
A Coruna Press, Spain). University of A Coruna Press, Spain.
- Rivera-Casas, C. (Graduate_Student), Mendez, J., & Eirin-Lopez, J. M. (2012). *Insights into the Study of
Chromatin in Molluscs: Structure and Molecular Evolution of Histones in Pectinids* (EAE Press, Spain). EAE
Press, Spain.

Article

- Rodriguez-Casariago, J. (Graduate_Student), Mercado-Molina, A., Soledade-Lemos, L., Soares-Quinete, N.,
Bellantuono, A., Rodriguez-Lanetty, M., ... Eirin-Lopez, J. (2023). Multi-omic characterization of mechanisms
contributing to rapid phenotypic plasticity in the coral *Acropora cervicornis* under divergent environments.
Coral Reefs.
- Hackerott, S. (Graduate_Student), Virdis, F., Flood, P., Garcia-Souto, D., Paez, W. (Undergraduate_Student), &
Eirin-Lopez, J. (2023). Phenotypic plasticity is associated with epigenetic variation in two Caribbean *Acropora*
corals. *Molecular Ecology*.
- Beal, A. (Graduate_Student), Hackerott, S. (Graduate_Student), Feldheim, K., Gruber, S., & Eirin-Lopez, J. (2022).
Age group DNA methylation differences in lemon sharks (*Negaprion brevirostris*): Implications for future age
estimation tools. *Ecology and Evolution*. [Attachment]
- Eirin-Lopez, J., Paz, V., Kiszka, J., & Heithaus, M. (2022). Spatial variation in trophic interactions of bottlenose
dolphins across multiple estuarine habitats in the Florida Coastal Everglades. *ESTUARINE COASTAL AND SHELF
SCIENCE*.
- Suarez-Ulloa, V. (Graduate_Student), Aguiar-Pulido, V., Valdes, C., Narasimhan, G., & Eirin-Lopez, J. M. (2018).
Common and unique patterns in the responses of the Pacific oyster to multiple stressors using transcriptomic
data series. *TBD*.
- Eirin-Lopez, J., & van Woesik, R. (2022). Coral-bleaching responses to climate change across biological scales.
Global Change Biology. [Attachment]

- Shama, L., Donelson, J., Eirin-Lopez, J. M., & Ravasi, T. (2022). Adaptation and Phenotypic Plasticity to Climate Change. *Frontiers in Marine Science*. [Attachment]
- Venkataraman, Trigg, Gavery, Roberts, Eirin-Lopez, J., Downey-Wall, ... Putnam. (2021). Invertebrate methylomes provide insight into mechanisms of environmental tolerance and reveal methodological biases. *Molecular Ecology Resources*, <https://doi.org/10.1111/1755-0998.13542>. [Attachment]
- Wong, J. (Postdoc), & Eirin-Lopez, J. (2021). Evolution of methyltransferase like (METTL) proteins in Metazoa: A complex gene family involved in epitranscriptomic regulation and other epigenetic processes. *Molecular Biology and Evolution*, *38*, 5309–5327. [Attachment]
- Hackerott, S. (Graduate S., Martell, H. A., & Eirin-Lopez, J. (2021). Coral environmental memory: Causes, mechanisms, and consequences for future reefs. *Trends in Ecology and Evolution*, *36*, 1011–1023. [Attachment]
- Eirin-Lopez, J., Bushbeck, M., Rivera-Casas, C. (Postdoc), & Guverobic, I. (2021). Evolution of a histone variant involved in compartmental regulation of NAD metabolism. *Nature Structural and Molecular Biology*, *28*, 1009–1019. [Attachment]
- Beal, A. (Graduate S., Hackerott, S. (Graduate S., Bryan, F., Samuel, G., Feldheim, K., & Eirin-Lopez, J. (2021). Epigenetic responses in juvenile Lemon sharks (*Negaprion brevirostris*) during a coastal dredging episode in Bimini, Bahamas. *Ecological Indicators*, *127*, 107793. [Attachment]
- Lugo, K., Lemos, L., Carranza, Y., Rodriguez-Casariago, J. (Graduate S., Eirin-Lopez, J., Hauser-Davis, R., ... Soares-Quinete, N. (2021). APPLICATION OF AN IMPROVED CHLOROFORM-FREE LIPID EXTRACTION METHOD TO STAGHORN CORAL (*Acropora cervicornis*) LIPIDOMICS ASSESSMENTS. *Bulletin of Environmental Contamination and Toxicology*, *107*, 92–99. [Attachment]
- Eirin-Lopez, J. M., & Putnam, H. (2021). Editorial: Marine Environmental Epigenetics. *Frontiers in Marine Science*. [Attachment]
- Rodriguez-Casariago, J. (Graduate S., Eirin-Lopez, J., Baker, A., & Cuning, R. (2021). Symbiont shuffling induces differential DNA methylation responses to thermal stress in the coral *Montastraea cavernosa*. *Molecular Ecology*, *31*, 588–602. [Attachment]
- Rodriguez-Casariago, J. (Graduate_Student), Mercado Molina, A. E., Garcia-Souto, D., Ortiz, I., Lopes, C., Baums, I., ... Eirin-Lopez, J. M. (2020). Genome-wide DNA methylation analysis reveals a conserved epigenetic response to seasonal environmental variation in the staghorn coral *Acropora cervicornis*. *Frontiers in Marine Science*, <https://doi.org/10.3389/fmars.2020.560424>. [Attachment]
- Cheema, M. S., Soufari, H., Kim, B., O'Sullivan, C., Good, K. V., Freeman, M. E., ... Ausio, J. (2020). Deciphering the enigma of the histone H2A.Z-1/H2A.Z-2 isoforms. Novel insights and remaining questions. *Cells*, *9*(5):1167. [Attachment]
- Beal, A., Kiszka, J., Wells, R., & Eirin-Lopez, J. M. (2019). The Bottlenose dolphin Epigenetic Aging Tool (BEAT): a molecular age estimation tool for small cetaceans. *Frontiers in Marine Science*, *6*, 561. [Attachment]
- D'Ippolito, R. A., Miamino, N., Rivera-Casas, C., Cheema, M., Bai, D. L., Kasinsky, H. E., ... Hunt, D. F. (2019). Protamines from liverwort are produced by posttranslational cleavage and C-terminal di-aminopropanelation of several male germ-specific H1 histones. *Journal of Biological Chemistry*, in press. [Attachment]
- Suarez-Ulloa, V. (Graduate_Student), Rivera-Casas, C. (Postdoc), Michel, M., & Eirin-Lopez, J. M. (2019). Seasonal DNA Methylation Variation in the Flat Tree Oyster *Isognomon Alatus* from a Mangrove Ecosystem in North Biscayne Bay, Florida. *Journal of Shellfish Research*, *38*. [Attachment]
- Eirin-Lopez, J. M., & Putnam, H. (2019). Epigenetics of marine organisms. *Annual Review of Marine Science*, *11*, 335–368. [Attachment]
- Garcia-Souto, D., Alonso-Rubido, S., Costa, D., Eirin-Lopez, J. M., Rolan-Alvarez, E., Faria, R., ... Pasantes, J. J. (2018). Karyotype characterization of nine periwinkle species (Gastropoda, Littorinidae). *Genes*, *9*, 517. [Attachment]
- Rodriguez-Casariago, J. (Graduate_Student), Shantz, A., Ladd, M., Lopes, C., Cheema, M., Kim, B., ... Eirin-Lopez, J. M. (2018). Coral epigenetic responses to nutrient stress: impaired histone H2A.X phosphorylation and changes in DNA methylation trends in the staghorn coral *Acropora cervicornis*. *Ecology and Evolution*, *8*, 12193–12207. [Attachment]
- Rivera-Casas, C. (Graduate_Student), Gonzalez-Romero, R. (Postdoc), Garduño, R. A., Cheema, M. S., Ausio, J., & Eirin-Lopez, J. M. (2017). Molecular and Biochemical Methods Useful for the Epigenetic Characterization of Chromatin-Associated Proteins in Bivalve Molluscs. *Frontiers in Physiology*, *8*, 490. [Attachment]
- Garcia-Souto, D., Sumner-Hempel, A., Fervenza, S., Perez-Garcia, C., Torreiro, A., Gonzalez-Romero, R. (Postdoc), ... Pasantes, J. J. (2017). Detection of invasive and cryptic species in marine mussels (Bivalvia, Mytilidae): A chromosomal perspective. *Journal for Nature Conservation*, *39*, 58–67. [Attachment]
- Leung, A., Jardim, F.-P., Savic, N., Monneau, Y. R., González-Romero, R. (Postdoc), Gudavicius, G., ... Nelson, C.

- J. (2017). Basic surface features of nuclear FKBP's facilitate chromatin binding. *Scientific Reports*, 7, 3795. [Attachment]
- Prego-Faraldo, M. V. (Graduate_Student), Vieira, L. R., Eirin-Lopez, J., Méndez, J., & Guilhermino, L. (2017). Transcriptional and biochemical analysis of antioxidant enzymes in the mussel *Mytilus galloprovincialis* during experimental exposures to the toxic dinoflagellate *Prorocentrum lima*. *Marine Environmental Research*, 129, 304–315. [Attachment]
- Gonzalez-Romero, R. (Postdoc), Suarez-Ulloa, V. (Graduate_Student), Rodriguez-Casariago, J. (Graduate_Student), Garcia-Souto, D., Diaz, G. (Undegraduate_Student), Smith, A., ... Eirin-Lopez, J. M. (2017). Effects of Florida Red Tides on histone variant expression and DNA methylation in the Eastern oyster *Crassostrea virginica*. *Aquatic Toxicology*, 186, 196–204. [Attachment]
- Prego-Faraldo, M. V. (Graduate_Student), Florez-Barros, F., Fernandez-Tajes, J., Eirin-Lopez, J. M., & Mendez, J. (2017). Transcriptome profiling and differential gene expression in mussels exposed to *Prorocentrum lima*, a dinoflagellate producing DSP toxins. *Aquaculture*, 472, 152–153.
- Rivera-Casas, C. (Graduate_Student), González-Romero, R. (Postdoc), Vizoso-Vazquez, A., Cheema, M. S., Cerdán, M. E., Méndez, J., ... Eirin-Lopez, J. M. (2016). Characterization of mussel H2A.Z.2: a new H2A.Z variant preferentially expressed in germinal tissues from *Mytilus*. *Biochemistry and Cell Biology*, 94, 480–490. [Attachment]
- Leung, A., Cheema, M., González-Romero, R. (Postdoc), Eirin-Lopez, J. M., Ausió, J., & Nelson, C. J. (2016). Unique yeast histone sequences influence octamer and nucleosome stability. *FEBS Letters*, 590, 2629–38. [Attachment]
- Rivera-Casas, C. (Graduate_Student), Gonzalez-Romero, R. (Postdoc), Cheema, M. S., Ausió, J., & Eirin-Lopez, J. M. (2016). The characterization of macroH2A beyond vertebrates supports an ancestral origin and conserved role for histone variants in chromatin. *Epigenetics*, 11, 415–25. [Attachment]
- Prego-Faraldo, M. V. (Graduate_Student), Valdiglesias, V., Laffon, B., Mendez, J., & Eirin-Lopez, J. M. (2016). Early Genotoxic and Cytotoxic Effects of the Toxic Dinoflagellate *Prorocentrum lima* in the Mussel *Mytilus galloprovincialis*. *Toxins*, 8. [Attachment]
- Prego-Faraldo, M. V. (Graduate_Student), Valdiglesias, V., Laffon, B., Eirin-Lopez, J. M., & Méndez, J. (2015). In Vitro Analysis of Early Genotoxic and Cytotoxic Effects of Okadaic Acid in Different Cell Types of the Mussel *Mytilus galloprovincialis*. *Journal of Toxicology and Environmental Health - Part A: Current Issues* 78, 814–24. [Attachment]
- Suarez-Ulloa, V. (Graduate_Student), Fernandez-Tajes, J., Aguiar-Pulido, V., Prego-Faraldo, M. V. (Graduate_Student), Florez-Barros, F., Sexto-Iglesias, A., ... Eirin-Lopez, J. M. (2015). Unbiased high-throughput characterization of mussel transcriptomic responses to sublethal concentrations of the biotoxin okadaic acid. *PeerJ*, 3, e1429. [Attachment]
- Suarez-Ulloa, V. (Graduate_Student), Gonzalez-Romero, R. (Postdoc), & Eirin-Lopez, J. M. (2015). Environmental epigenetics: A promising venue for developing next-generation pollution biomonitoring tools in marine invertebrates. *Marine Pollution Bulletin*, 98, 5–13. [Attachment]
- Ruiz, M. F., Alvarez, M., Eirin-Lopez, J. M., Sarno, F., Kremer, L., Barbero, J. L., & Sánchez, L. (2015). An Unusual Role for doublesex in Sex Determination in the Dipteran *Sciara*. *Genetics*, 200, 1181–99. [Attachment]
- Eirin-Lopez, J. M., & Sánchez, L. (2015). The comparative study of five sex-determining proteins across insects unveils high rates of evolution at basal components of the sex determination cascade. *Development Genes and Evolution*, 225, 23–30. [Attachment]
- González-Romero, R. (Postdoc), Eirin-Lopez, J. M., & Ausió, J. (2015). Evolution of high mobility group nucleosome-binding proteins and its implications for vertebrate chromatin specialization. *Molecular Biology and Evolution*, 32, 121–31. [Attachment]
- Civetta, A., Eirin-Lopez, J. M., Kulathinal, R., & Marshall, J. L. (2013). The evolution of sex-related traits and genes 2012. *International Journal of Evolutionary Biology*, 2013, 590769. [Attachment]
- Suárez-Ulloa, V. (Graduate_Student), Fernández-Tajes, J., Manfrin, C., Gerdol, M., Venier, P., & Eirin-Lopez, J. M. (2013). Bivalve omics: state of the art and potential applications for the biomonitoring of harmful marine compounds. *Marine Drugs*, 11, 4370–89. [Attachment]
- Gonzalez-Romero, R. (Postdoc), Rivera-Casas, C. (Graduate_Student), Mendez, J., Eirin-Lopez, J. M., & Ausio, J. (2013). Characterization of histone variants in bivalve molluscs and their relevance in the development of chromatin-based tests for evaluating okadaic acid genotoxicity in the marine environment. *Biochemistry and Cell Biology*, 91, 395. [Attachment]
- Prego-Faraldo, M. V. (Graduate_Student), Valdiglesias, V., Méndez, J., & Eirin-Lopez, J. M. (2013). Okadaic acid meet and greet: an insight into detection methods, response strategies and genotoxic effects in marine invertebrates. *Marine Drugs*, 11, 2829–45. [Attachment]
- Aguiar-Pulido, V., Suarez-Ulloa, V. (Graduate_Student), Rivero, D., Eirin-Lopez, J. M., & Dorado, J. (2013).

Clustering of gene expression profiles applied to marine research. *IWANN 2013, Part I, Lecture Notes on Computer Science (LNCS), 7902*, 453–462. [Attachment]

- Eirin-Lopez, J. M. (2013). A computer lab exploring evolutionary aspects of chromatin structure and dynamics for an undergraduate chromatin course. *Biochemistry and Molecular Biology Education*, *41*, 95–102. [Attachment]
- Suárez-Ulloa, V. (Graduate_Student), Fernández-Tajes, J., Aguiar-Pulido, V., Rivera-Casas, C. (Graduate_Student), González-Romero, R. (Postdoc), Ausio, J., ... Eirin-Lopez, J. M. (2013). The CHROMEVALOA database: a resource for the evaluation of Okadaic Acid contamination in the marine environment based on the chromatin-associated transcriptome of the mussel *Mytilus galloprovincialis*. *Marine Drugs*, *11*, 830–41. [Attachment]
- González-Romero, R. (Graduate_Student), Rivera-Casas, C. (Graduate_Student), Frehlick, L. J., Méndez, J., Ausió, J., & Eirin-Lopez, J. M. (2012). Histone H2A (H2A.X and H2A.Z) variants in molluscs: molecular characterization and potential implications for chromatin dynamics. *PLoS ONE*, *7*, e30006. [Attachment]
- Finn, R. M., Ellard, K., Eirin-Lopez, J. M., & Ausió, J. (2012). Vertebrate nucleoplasmin and NASP: egg histone storage proteins with multiple chaperone activities. *The FASEB Journal*, *26*, 4788–804. [Attachment]
- Talbert, P. B., Ahmad, K., Almouzni, G., Ausió, J., Berger, F., Bhalla, P. L., ... Henikoff, S. (2012). A unified phylogeny-based nomenclature for histone variants. *Epigenetics & Chromatin*, *5*, 7. [Attachment]
- González-Romero, R. (Graduate_Student), Rivera-Casas, C. (Graduate_Student), Fernández-Tajes, J., Ausió, J., Méndez, J., & Eirin-Lopez, J. M. (2012). Chromatin specialization in bivalve molluscs: a leap forward for the evaluation of Okadaic Acid genotoxicity in the marine environment. *Comparative Biochemistry and Physiology - C Toxicology and Pharmacology*, *155*, 175–81. [Attachment]
- Civetta, A., Eirin-Lopez, J. M., Kulathinal, R., & Marshall, J. L. (2011). The evolution of sex-related traits and genes. *International Journal of Evolutionary Biology*, *2011*, 807218. [Attachment]
- Eirin-Lopez, J. M., & Ausió, J. (2011). Boule and the Evolutionary Origin of Metazoan Gametogenesis: A Grandpa's Tale. *International Journal of Evolutionary Biology*, *2011*, 972457. [Attachment]
- Kasinsky, H. E., Eirin-Lopez, J. M., & Ausió, J. (2011). Protamines: structural complexity, evolution and chromatin patterning. *Protein and Peptide Letters*, *18*, 755–71. [Attachment]
- Eirin-Lopez, J. M., Mendez, J., Ausio, J., & Gonzalez-Romero, R. (Graduate_Student). (2011). The key role of histones. *Scientific American (edition Spain)*, *Dec 2011*, 36–43. [Attachment]
- González-Romero, R. (Graduate_Student), Rivera-Casas, C. (Graduate_Student), Ausió, J., Méndez, J., & Eirin-Lopez, J. M. (2010). Birth-and-death long-term evolution promotes histone H2B variant diversification in the male germinal cell line. *Molecular Biology and Evolution*, *27*, 1802–12. [Attachment]
- Sarno, F., Ruiz, M. F., Eirin-Lopez, J. M., Perondini, A. L., Selivon, D., & Sánchez, L. (2010). The gene transformer-2 of *Anastrepha* fruit flies (Diptera, Tephritidae) and its evolution in insects. *BMC Evolutionary Biology*, *10*, 140. [Attachment]
- Freire, R., Arias, A., Insua, A. M., Méndez, J., & Eirin-Lopez, J. M. (2010). Evolutionary dynamics of the 5S rDNA gene family in the mussel *Mytilus*: mixed effects of birth-and-death and concerted evolution. *Journal of Molecular Evolution*, *70*, 413–26. [Attachment]
- Ishibashi, T., Li, A., Eirin-Lopez, J. M., Zhao, M., Missiaen, K., Abbott, D. W., ... Ausió, J. (2010). H2A.Bbd: an X-chromosome-encoded histone involved in mammalian spermiogenesis. *Nucleic Acids Research*, *38*, 1780–9. [Attachment]
- Dryhurst, D., Ishibashi, T., Rose, K. L., Eirin-Lopez, J. M., McDonald, D., Silva-Moreno, B., ... Ausió, J. (2009). Characterization of the histone H2A.Z-1 and H2A.Z-2 isoforms in vertebrates. *BMC Biology*, *7*, 86. [Attachment]
- Eirin-Lopez, J. M., & Ausió, J. (2009). Origin and evolution of chromosomal sperm proteins. *BioEssays*, *31*, 1062–70. [Attachment]
- González-Romero, R. (Graduate_Student), Ausió, J., Méndez, J., & Eirin-Lopez, J. M. (2009). Histone genes of the razor clam *Solen marginatus* unveil new aspects of linker histone evolution in protostomes. *Genome*, *52*, 597–607. [Attachment]
- Eirin-Lopez, J. M., González-Romero, R. (Graduate_Student), Dryhurst, D., Ishibashi, T., & Ausió, J. (2009). The evolutionary differentiation of two histone H2A.Z variants in chordates (H2A.Z-1 and H2A.Z-2) is mediated by a stepwise mutation process that affects three amino acid residues. *BMC Evolutionary Biology*, *9*, 31. [Attachment]
- Eirin-Lopez, J. M., Frehlick, L. J., Chiva, M., Saperas, N., & Ausió, J. (2008). The sperm proteins from amphioxus mirror its basal position among chordates and redefine the origin of vertebrate protamines. *Molecular Biology and Evolution*, *25*, 1705–13. [Attachment]
- Abbott, D. W., Eirin-Lopez, J. M., & Boraston, A. B. (2008). Insight into ligand diversity and novel biological roles for family 32 carbohydrate-binding modules. *Molecular Biology and Evolution*, *25*, 155–67. [Attachment]

- Eirin-Lopez, J. M., Ishibashi, T., & Ausió, J. (2008). H2A.Bbd: a quickly evolving hypervariable mammalian histone that destabilizes nucleosomes in an acetylation-independent way. *The FASEB Journal*, *22*, 316–26. [Attachment]
- González-Romero, R. (Graduate_Student), Méndez, J., Ausió, J., & Eirin-Lopez, J. M. (2008). Quickly evolving histones, nucleosome stability and chromatin folding: all about histone H2A.Bbd. *Gene*, *413*, 1–7. [Attachment]
- González-Romero, R. (Graduate_Student), Ausió, J., Méndez, J., & Eirin-Lopez, J. M. (2008). Early evolution of histone genes: prevalence of an “orphon” H1 lineage in protostomes and birth-and-death process in the H2A family. *Journal of Molecular Evolution*, *66*, 505–18. [Attachment]
- Ruiz, M. F., Milano, A., Salvemini, M., Eirin-Lopez, J. M., Perondini, A. L., Selivon, D., ... Sánchez, L. (2007). The gene transformer of anastrepha fruit flies (Diptera, tephritidae) and its evolution in insects. *PLoS ONE*, *2*, e1239. [Attachment]
- Ruiz, M. F., Eirin-Lopez, J. M., Stefani, R. N., Perondini, A. L., Selivon, D., & Sánchez, L. (2007). The gene doublesex of *Anastrepha* fruit flies (Diptera, Tephritidae) and its evolution in insects. *Development Genes and Evolution*, *217*, 725–31. [Attachment]
- Eirin-Lopez, J., & Ausió, J. (2007). H2A.Z-Mediated Genome-Wide Chromatin Specialization. *Current Genomics*, *8*, 59–66. [Attachment]
- Frehlick, L. J., Eirin-Lopez, J. M., & Ausió, J. (2007). New insights into the nucleophosmin/nucleoplasmin family of nuclear chaperones. *BioEssays*, *29*, 49–59. [Attachment]
- Eirin-Lopez, J. M., & Ausio, J. (2007). Evolutions and revolutions of nuclear chaperones in chromatin remodeling: the nucleophosmin-nucleoplasmin family. *Biochemistry and Cell Biology*, *85*, 527. [Attachment]
- Saperas, N., Chiva, M., Casas, M. T., Campos, J. L., Eirin-Lopez, J. M., Frehlick, L. J., ... Ausió, J. (2006). A unique vertebrate histone H1-related protamine-like protein results in an unusual sperm chromatin organization. *FEBS Journal*, *273*, 4548–61. [Attachment]
- Eirin-Lopez, J. M., Lewis, J. D., Howe, L. A., & Ausió, J. (2006). Common phylogenetic origin of protamine-like (PL) proteins and histone H1: Evidence from bivalve PL genes. *Molecular Biology and Evolution*, *23*, 1304–17. [Attachment]
- Eirin-Lopez, J. M., Frehlick, L. J., & Ausió, J. (2006). Long-term evolution and functional diversification in the members of the nucleophosmin/nucleoplasmin family of nuclear chaperones. *Genetics*, *173*, 1835–50. [Attachment]
- Eirin-Lopez, J. M., Frehlick, L. J., & Ausió, J. (2006). Protamines, in the footsteps of linker histone evolution. *Journal of Biological Chemistry*, *281*, 1–4. [Attachment]
- Frehlick, L. J., Eirin-Lopez, J. M., Prado, A., Su, H. W., Kasinsky, H. E., & Ausió, J. (2006). Sperm nuclear basic proteins of two closely related species of Scorpaeniform fish (*Sebastes maliger*, *Sebastes* sp.) with different sexual reproduction and the evolution of fish protamines. *Journal of Experimental Zoology. Part A, Comparative Experimental Biology*, *305*, 277–87. [Attachment]
- Frehlick, L. J., Eirin-Lopez, J. M., Jeffery, E. D., Hunt, D. F., & Ausió, J. (2006). The characterization of amphibian nucleoplasmins yields new insight into their role in sperm chromatin remodeling. *BMC Genomics*, *7*, 99. [Attachment]
- Eirin-Lopez, J. M., & Ausio, J. (2006). Histone H1 function and distribution in chromatin: what does molecular evolution tell us about it? *Biochemistry and Cell Biology*, *84*, 658. [Attachment]
- Eirin-Lopez, J. M., Ruiz, M. F., González-Tizón, A. M., Martínez, A., Ausió, J., Sánchez, L., & Méndez, J. (2005). Common evolutionary origin and birth-and-death process in the replication-independent histone H1 isoforms from vertebrate and invertebrate genomes. *Journal of Molecular Evolution*, *61*, 398–407. [Attachment]
- Li, A., Eirin-Lopez, J. M., & Ausió, J. (2005). H2AX: tailoring histone H2A for chromatin-dependent genomic integrity. *Biochemistry and Cell Biology*, *83*, 505–15. [Attachment]
- Serna, E., Gorab, E., Ruiz, M. F., Goday, C., Eirin-Lopez, J. M., & Sánchez, L. (2004). The gene Sex-lethal of the Sciaridae family (order Diptera, suborder Nematocera) and its phylogeny in dipteran insects. *Genetics*, *168*, 907–21. [Attachment]
- Eirin-Lopez, J. M., González-Tizón, A. M., Martínez, A., & Méndez, J. (2004). Birth-and-death evolution with strong purifying selection in the histone H1 multigene family and the origin of orphon H1 genes. *Molecular Biology and Evolution*, *21*, 1992–2003. [Attachment]
- Eirin-Lopez, J. M., Fernanda Ruiz, M., González-Tizón, A. M., Martínez, A., Sánchez, L., & Méndez, J. (2004). Molecular evolutionary characterization of the mussel *Mytilus* histone multigene family: first record of a tandemly repeated unit of five histone genes containing an H1 subtype with “orphon” features. *Journal of Molecular Evolution*, *58*, 131–44. [Attachment]
- Eirin-Lopez, J. M., González-Tizón, A. M., Martínez, A., & Méndez, J. (2002). Molecular and evolutionary analysis

of mussel histone genes (*Mytilus* spp.): possible evidence of an “orphan origin” for H1 histone genes. *Journal of Molecular Evolution*, 55, 272–83. [Attachment]

Proceeding

Aguiar-Pulido, V., Suarez-Ulloa, V. (Graduate_Student), Eirin-Lopez, J. M., & Narasimhan, G. (2016). Network-inspired approaches for transcriptomic analyses. Presented at the International Work-Conference on Bioinformatics and Biomedical Engineering, Granada, Spain.

Book Chapter

Beal, A. (Graduate_Student), Rodriguez-Casariago, J. (Graduate_Student), Rivera-Casas, C. (Postdoc), Suarez-Ulloa, V. (Postdoc), & Eirin-Lopez, J. M. (2018). Marine Epigenomic Applications. In *Marine Organisms Population Genomics*. Springer Nature. [Attachment]

Aguiar-Pulido, V., Suarez-Ulloa, V. (Graduate_Student), Eirin-Lopez, J. M., Pereira, J., & Narasimhan, G. (2015). Computational Methods in Epigenetics. In *Personalized Epigenetics (pp.154-175)*. Elsevier. [Attachment]

Eirin-Lopez, J., Rebordinos, L., Rooney, A. P., & Rozas, J. (2012). The birth-and-death evolution of multigene families revisited. In *Genome dynamics* (pp. 170–96). <https://doi.org/10.1159/000337119> [Attachment]

Eirin-Lopez, J. M., Gonzalez-Romero, R. (Graduate_Student), Dryhurst, D., Mendez, J., & Ausio, J. (2009). Long-term evolution of histone families: old notions and new insights into their mechanisms of diversification across eukaryotes. In *Evolutionary Biology: Concept, Modeling and Application (pp 139-162)* Springer, Germany. [Attachment]

Ausió, J., Eirin-Lopez, J. M., & Frehlick, L. J. (2007). Evolution of vertebrate chromosomal sperm proteins: implications for fertility and sperm competition. In *Society of Reproduction and Fertility supplement*(pp. 63–79). [Attachment]

Eirin-Lopez, J. M. (2000). Molecular, phylogenetic and evolutionary study of histone H1 and H3 genes: molecular markers in marine biology and aquaculture. In *5th Meeting of Young Researchers*(pp. 52–62). Xunta de Galicia Eds., Spain.

Presentation, Presented Papers, and Lectures

Chiquillo, K. (Postdoc), Wong, J. (Postdoc), & Eirin-Lopez, J. M. (2023). Forensic testing in Biscayne Bay waterways: Using eDNA to monitor vertebrate biodiversity. In *51st Benthic Ecology Meeting*. Miami, USA.

Hackerott, S. (Graduate_Student), & Eirin-Lopez, J. M. (2023). Does it make them stronger? Exploring the lasting influence of environmental history on *Acropora cervicornis* corals

. In *51st Benthic Ecology Meeting*. Miami, USA.

Fuller, C., Rodriguez-Casariago, J. (Postdoc), Valadares-Tose, L., Eirin-Lopez, J. M., Fieber, L., & Fernandez-Lima, F. (2023). Histone Post-Translational Modification Mapping of *Aplysia californica* Ganglia after Juvenile Exposure to Hypoxia using LC-TIMS-PASEF-ToF MS/MS. In *71st ASMS Conference on Mass Spectrometry and Allied Topics*. Houston, USA.

Hackerott, S. (Graduate_Student), & Eirin-Lopez, J. M. (2022). Environmental And Epigenetic Drivers Of Phenotypic Plasticity In *Acropora cervicornis* Corals. In *EPIMAR Conference Marine Epigenetics 2022*. Woods Hole, USA.

Rodriguez-Casariago, J. (Postdoc), & Eirin-Lopez, J. M. (2022). Multi-omic characterization of mechanisms contributing to rapid phenotypic plasticity in the coral *Acropora cervicornis* under divergent environments. In *EPIMAR Conference Marine Epigenetics 2022*. Woods Hole, USA.

Chiquillo, K. (Postdoc), & Eirin-Lopez, J. M. (2022). ATTACK OF THE CLONES: UNDERSTANDING THE INVASION POTENTIAL OF THE SEAGRASS (*HALOPHILA STIPULACEA*) IN CULEBRA, PUERTO RICO. In *EPIMAR Conference Marine Epigenetics 2022*. Woods Hole, USA.

Hackerott, S. (Graduate_Student), & Eirin-Lopez, J. M. (2022). Environmental and epigenetic drivers of phenotypic plasticity in *Acropora cervicornis* corals. In *Reef Futures Conference 2022*. Key Largo, USA.

Wong, J. (Postdoc), & Eirin-Lopez, J. M. (2022). SPINES OUT: THE MYSTERY OF AN EXTENSIVE DIE-OFF OF LONG-SPINED SEA URCHINS IN PUERTO RICO. In *EPIMAR Conference Marine Epigenetics 2022*. Woods Hole, USA.

Hackerott, S. (Graduate_Student), & Eirin-Lopez, J. M. (2022). Relationships between epigenetic modifications and phenotypic plasticity of *Acropora cervicornis* across spatial and temporal environmental variation. In *ICRS 2022 International Coral Reef Society, Bremen, Germany*. Bremen, Germany.

Martell, H., Hackerott, S. (Graduate_Student), & Eirin-Lopez, J. M. (2022). Coral Environmental Memory: Causes, Mechanisms & Consequences for Future Reefs . In *ICRS 2022 International Coral Reef Society, Bremen*,

Germany. Bremen, Germany.

- Hackerott, S. (Graduate_Student), Eirin-Lopez, J. M., & Paez, W. (Undergraduate_Student). (2022). Assessing relationships between symbiosis and metabolism of *Acropora cervicornis* corals across varying nutrient concentrations. In *Reef Futures Conference 2022*. Key Largo, USA.
- Eirin Lopez, J. (2021). Coral Bleaching Research Coordination (CBRCN) Networks Workshop. In *Ohio State University*. Columbus, OH.
- Beal, A. (Graduate_Student), & Eirin-Lopez, J. M. (2021). Exploring Epigenetics as a Tool for Population Assessment and Conservation in Large Marine Predators. In *American Society of Naturalists, the Society for the Study of Evolution, and the Society of Systematic Biologists*. virtual.
- Beal, A. (Graduate_Student), & Eirin-Lopez, J. M. (2021). We got the BEAT! Epigenetic aging tools for dolphins and beyond. In *Society for Marine Mammalogy (SMM)*. West Palm Beach, FL.
- Eirin-Lopez, J. M. (2020). From the ocean to the bench and back: environmental epigenetic applications in marine sciences. In *EPIMAR 2020 Marine Epigenetics Meeting*. Perpignan, France.
- Beal, A. (Graduate_Student), & Eirin-Lopez, J. M. (2020). Epigenetic characterization of age-structure in a wild bottlenose dolphin population from Naples, FL. In *ASLO 2020 Ocean Sciences Meeting, San Diego, CA* San Diego, CA.
- Rodriguez-Casariago, J. (Graduate_Student), & Eirin-Lopez, J. M. (2020). Seasonal variation on DNA methylation patterns in the staghorn coral *Acropora cervicornis* in Culebra Island, PR. In *ASLO 2020 Ocean Sciences Meeting, San Diego, CA*. San Diego, CA.
- Rodriguez-Casariago, J. (Graduate_Student), & Eirin-Lopez, J. M. (2020). Symbiont shuffling modulates epigenetic responses to repetitive heat stress in the coral *Montastrea cavernosa*. In *ICRS 2020 International Coral Reef Society, Bremen, Germany*. Bremen, Germany.
- Beal, A. (Graduate_Student), & Eirin-Lopez, J. M. (2020). Epigenetic differences among Lemon shark nurseries during a major dredging event in Bimini, Bahamas. In *ICRS 2020 International Coral Reef Society, Bremen, Germany*. Bremen, Germany.
- Hackerott, S. (Graduate_Student), & Eirin-Lopez, J. M. (2020). Seasonal changes in coral epigenetic modifications and connections with coral performance across temporal and spatial environmental variation. In *ICRS 2020 International Coral Reef Society, Bremen, Germany*. Bremen, Germany.
- Rose, A. (Graduate_Student), & Eirin-Lopez, J. M. (2020). Exploring the functional roles of noncoding RNAs during host-symbiont communication in scleractinian corals. In *ICRS 2020 International Coral Reef Society, Bremen, Germany*. Bremen, Germany.
- Rodriguez-Casariago, J. (Graduate_Student), & Eirin-Lopez, J. M. (2020). Non-genetic mechanisms of coral response to global change: preliminary epigenetic and demographic analyses in corals impacted by hurricanes Irma and Maria in Puerto Rico. In *HurriCon: Science at the Intersection of Hurricanes and the Populated Coast*. Greenville, NC.
- Rodriguez-Casariago, J. (Graduate_Student), & Eirin-Lopez, J. M. (2020). Seasonal variation on DNA methylation patterns in the staghorn coral *Acropora cervicornis* in Culebra Island, PR. In *FIU Biosymposium*. Miami FL, USA.
- Beal, A. (Graduate_Student), & Eirin-Lopez, J. M. (2020). The BEAT, a new molecular aging tool for small cetaceans. In *FIU Biosymposium*. Miami FL, USA.
- Rose, A. (Graduate_Student), & Eirin-Lopez, J. M. (2020). Exploring the functional roles of noncoding RNAs during host-symbiont communication in scleractinian corals. In *FIU Biosymposium*. Miami FL, USA.
- Hackerott, S. (Graduate_Student), & Eirin-Lopez, J. M. (2020). Seasonal changes in coral epigenetic modifications and connections with coral performance across temporal and spatial environmental variation. In *FIU Biosymposium*. Miami FL, USA.
- Guverovic, I., Eirin-Lopez, J. M., & Bushbeck, M. (2019). A conserved role of macroH2A1.1 histone variant in regulating nuclear NAD⁺ metabolism from amoebas to humans. In *EMBO/EMBL Symposium: Metabolism Meets Epigenetics*. Heidelberg, Germany.
- Rodriguez-Casariago, J. (Graduate_Student), & Eirin-Lopez, J. M. (2019). Role of epigenetic modifications mediating coral acclimatory responses during post-hurricane Maria restoration efforts in Culebra, Puerto Rico. In *39th Conference of the Association of Marine Laboratories of the Caribbean, Punta Cana, Dominican Republic*. Punta Cana, Dominican Republic.
- Eirin-Lopez, J. M. (2019). Seasonal DNA methylation variation in the flat tree oyster *Isognomon alatus* from a mangrove ecosystem in North Biscayne Bay. In *39th Conference of the Association of Marine Laboratories of the Caribbean, Punta Cana, Dominican Republic*. Punta Cana, Dominican Republic.
- Eirin-Lopez, J. M. (2001). Molecular and evolutionary characterization of the histone gene family. In *BBSRC summer school on molecular evolution and diversity*. Edinburgh, United Kingdom.
- Beal, A. (Graduate_Student), & Eirin-Lopez, J. M. (2019). Bottlenose Epigenetic Aging Tool (BEAT): a reliable

- molecular tool for aging wild small cetaceans. In *ASLO 2019 Aquatic Sciences Meeting, San Juan, Puerto Rico* San Juan PR, USA.
- Rodriguez-Casariago, J. (Graduate_Student), & Eirin-Lopez, J. M. (2019). Non-genetic mechanisms of coral response to global change: preliminary epigenetic analyses in corals impacted by Hurricanes Irma and Maria in Puerto Rico. In *ASLO 2019 Aquatic Sciences Meeting, San Juan, Puerto Rico* San Juan PR, USA.
- Rodriguez-Casariago, J. (Graduate_Student), & Eirin-Lopez, J. M. (2019). Non-genetic mechanisms of coral response to global change: preliminary epigenetic analyses in corals impacted by Hurricanes Irma and Maria. In *FIU Biosymposium*. Miami FL, USA.
- Hackerott, S. (Graduate_Student), & Eirin-Lopez, J. M. (2019). Environmental epigenetic responses in corals and their applications for coral reef conservation and management. In *FIU Biosymposium*. Miami FL, USA.
- Beal, A. (Graduate_Student), & Eirin-Lopez, J. M. (2019). The BEAT, a new molecular aging tool for small cetaceans. In *FIU Biosymposium*. Miami FL, USA.
- Eirin-Lopez, J. M. (2019). Marine environmental epigenetics. In *Department of Biology, University of Rhode Island*. Kingston, RI, USA.
- Eirin-Lopez, J. M. (2018). Epigenetic Mechanisms and Phenotypic Responses. In *Southeast Region for the Society of Toxicology, University of Florida*. Gainesville, FL.
- Eirin Lopez, J. (2018). Oyster Breeding Workshop, University of Rhode Island, RI. In *University of Rhode Island, RI*. Kingston, RI.
- Eirin Lopez, J. (2018). RCN-ECS The Research Coordinated Network for Evolution in Changing Seas. In *NSF*.
- Eirin-Lopez, J. M. (2018). Marine Environmental Epigenetics: Linking Global Change to Adaptive Responses in Marine Ecosystems. In *Gordon Research Conference in Global Ocean Change Biology*. Waterville Valley NH, USA.
- Rodriguez-Casariago, J., & Eirin-Lopez, J. M. (2018). Nutrient loading hinders mechanisms involved in the epigenetic maintenance of genome integrity in the stony coral *Acropora cervicornis*. Presented at the 9th International Symbiosis Society Conference, Corvallis, OR.
- Eirin-Lopez, J. M. (2018). Irma and Maria hurricane impacts in Puerto Rico. In *Florida Coastal Everglades LTER All Scientists Meeting*. Miami FL, USA. [Attachment]
- Eirin-Lopez, J. M. (2018). Epigenetic Mechanisms and Phenotypic Responses. In *Topics in Biology Invited Lectures, Dept. Biology, University of Puerto Rico*. San Juan PR, USA.
- Eirin-Lopez, J. M. (2018). From the ocean to the bench and back: environmental epigenetic applications in marine sciences. In *EPIMAR 2020: EPIgenetics In MARine biology congress* Montpellier, France.
- Eirin-Lopez, J. M. (2018). Unique and common patterns in the stress response of the Pacific oyster *Crassostrea gigas*. In *109th Meeting of the National Shellfisheries Association* Seattle, WA, USA.
- Eirin-Lopez, J. M. (2018). Epigenetic keys to coral reef resilience and restoration in the age of global climate change. In *Department of Biology, Eberly College of Science, The Pennsylvania State University* University Park, PA, USA.
- Eirin-Lopez, J. M. (2018). Transgenerational epigenetics in oysters. In *The University of Hong Kong*. Hong Kong, China.
- Rodriguez-Casariago, J. (Graduate_Student), & Eirin-Lopez, J. M. (2018). Nutrient loading hinders mechanisms involved in the epigenetic maintenance of genome integrity in the stony coral *Acropora cervicornis*. In *FIU Biosymposium*. Miami FL, USA.
- Beal, A. (Graduate_Student), & Eirin-Lopez, J. M. (2018). A new tool for the biologist's toolbox? In *FIU Biosymposium*. Miami FL, USA.
- Eirin-Lopez, J. M. (2018). Epigenetic regulation of gene expression and phenotypic plasticity. In *Department of Biology, University of Puerto Rico - Rio Piedras*. San Juan, Puerto Rico, USA.
- Darriba, D., Garcia-Souto, D., Eirin-Lopez, J. M., & Pasantes, J. J. (2018). Does nuclei silver staining allow identifying triploid american oysters? In *International Symposium on Marine Science*. Vigo, Spain.
- Eirin-Lopez, J. M. (2017). Epigenetic basis of coral responses to global change in South Florida. In *Marine Science Seminar Series, Department of Biological Sciences, Florida International University*. Miami FL, USA.
- Eirin-Lopez, J. M. (2017). Epigenetic Mechanisms Underlying Acclimatory Responses to Nutrient Stress in the Staghorn Coral *Acropora cervicornis*. In *Gordon Research Conference in Molecular Ecology*. Hong Kong, China.
- Eirin-Lopez, J. M., & Rodriguez-Casariago, J. (Graduate_Student). (2017). Coral responses to global change: an epigenetic perspective. In *Coral Reef Conservation Program Learning Exchange, Florida Department of Environmental Protection*. Ft. Lauderdale, FL, USA.
- Suarez-Ulloa, V. (Graduate_Student), & Eirin-Lopez, J. M. (2017). Effects of Florida Red Tides on histone variant

- expression and DNA methylation in the Eastern oyster *Crassostrea virginica*. In *FIU Biosymposium*. Miami FL, USA.
- Rodriguez-Casariago, J. (Graduate_Student), & Eirin-Lopez, J. M. (2017). Preliminary analysis of the epigenetic mechanisms underlying acclimatory responses to nutrient pollution in stony corals. In *FIU Biosymposium*. Miami FL, USA.
- Suarez-Ulloa, V. (Graduate_Student), & Eirin-Lopez, J. M. (2017). Transcriptional patterns of chromatin-associated genes in response to environmental stress revealed by network analysis. In *109th Meeting of the National Shellfisheries Association*. Knoxville, TN, USA.
- Eirin-Lopez, J. M. (2017). Effects of Florida Red Tides on histone variant expression and DNA methylation in the Eastern oyster *Crassostrea virginica*. In *109th Meeting of the National Shellfisheries Association* Knoxville, TN, USA.
- Eirin-Lopez, J. M. (2016). Epigenetic effects of Florida Red Tides on marine invertebrates. In *Asilomar Chromatin and Chromosomes Conference*. Asilomar, CA, USA.
- Eirin-Lopez, J. M. (2016). Effects of Florida Red Tides on histone variant expression and DNA methylation in the Eastern oyster *Crassostrea virginica*. In *7th Society of Environmental Toxicology and Chemistry World Congress*. Orlando, FL, USA.
- Suarez-Ulloa, V. (Graduate_Student), & Eirin-Lopez, J. M. (2016). Network-based analysis of chromatin-associated gene expression dynamics in response to environmental stress. In *Conference of the International Society for Computational Biology*. Orlando, FL, USA.
- Diaz, G. (Undergraduate_Student), & Eirin-Lopez, J. M. (2016). Epigenetic response in *Crassostrea virginica* (Eastern oyster) to *Karenia brevis* Florida Red Tides. In *Ronald E. McNair Scholars Conference* Miami, FL, USA.
- Garcia-Souto, D., Eirin-Lopez, J. M., & Pasantes, J. J. (2016). Cytogenetic analysis on the invasive mussel *Perna perna* and *Brachidontes* sp. In *1 International ALERTOOLS Workshop: Science & Educational Strategies for Early Detection of Bioinvaders*. Aviles, Spain.
- Garcia-Souto, D., Eirin-Lopez, J. M., & Pasantes, J. J. (2016). Invasive and cryptic species in marine mussels (*Bivalvia*, *Mytilidae*): A chromosomal perspective. In *1 International Symposium on Advances in Marine Mussel Research*. Vigo, Spain.
- Aguiar-Pulido, V., Suarez-Ulloa, V. (Graduate_Student), Eirin-Lopez, J. M., & Narasimhan, G. (2016). Network-inspired approaches for transcriptomic analyses. In *International Work-Conference on Bioinformatics and Biomedical Engineering*. Granada, Spain.
- Suarez-Ulloa, V. (Graduate_Student), & Eirin-Lopez, J. M. (2016). Enhancing the analysis of the transcriptomic response of mussels to Harmful Algal Blooms using network-inspired approaches. In *Emory Exposome Summer Course*. Atlanta, GA, USA.
- Rodriguez-Casariago, J. (Graduate_Student), & Eirin-Lopez, J. M. (2016). Epigenetic modifications in response to environmental stressors on Eastern oyster (*Crassostrea virginica*): Preliminary results of the exposure to a simulated Florida Red Tide. In *FIU Biosymposium*. Miami FL, USA.
- Suarez-Ulloa, V. (Graduate_Student), & Eirin-Lopez, J. M. (2016). Framing epigenetic signatures of the Pacific oyster under environmental stress using network analysis. In *FIU Biosymposium*. Miami FL, USA.
- Eirin-Lopez, J. M. (2015). Environmental epigenetic responses in marine invertebrates. In *Marine Science Seminar Series, Department of Biological Sciences, Florida International University*. Miami FL, USA.
- Eirin-Lopez, J. M. (2015). The first in vivo characterization of macroH2A beyond vertebrates provides new insights into the functional evolution of histone variants. In *Asilomar Chromatin and Chromosomes Conference*. Asilomar, CA, USA.
- Eirin-Lopez, J. M., & Suarez-Ulloa, V. (Graduate_Student). (2015). Framing epigenetic signatures of the Pacific oyster under environmental stress using network analysis. In *Asilomar Chromatin and Chromosomes Conference*. Asilomar, CA, USA.
- Gonzalez-Romero, R. (Postdoc), & Eirin-Lopez, J. M. (2015). Characterization of epigenetic marks in marine invertebrates. In *Asilomar Chromatin and Chromosomes Conference* Asilomar, CA, USA.
- Eirin-Lopez, J. M. (2015). First in vivo characterization of macroH2A beyond vertebrates: new insights into the functional evolution of histone variants. In *Gordon Research Conference on Epigenetics*. Bentley University Waltham, MA, USA.
- Suarez-Ulloa, V. (Graduate_Student), & Eirin-Lopez, J. M. (2015). Environmental epigenetics, a venue for developing next-generation biomarkers of marine pollution. In *FIU Biosymposium*. Miami FL, USA.
- Eirin-Lopez, J. M., & Suarez-Ulloa, V. (Graduate_Student). (2014). Environmental epigenetics in bivalves: applications for biomonitoring. In *Asilomar Chromatin and Chromosomes Conference* Asilomar, CA, USA.
- Gonzalez-Romero, R. (Postdoc), & Eirin-Lopez, J. M. (2014). Characterization of histone variants in bivalve molluscs and their relevance in the development of chromatin-based tests for evaluating okadaic acid

genotoxicity in the marine environment. In *Asilomar Chromatin and Chromosomes Conference* Asilomar CA, USA.

- Suarez-Ulloa, V. (Graduate_Student), & Eirin-Lopez, J. M. (2014). CHROMEVALOAdd: a data mining approach to the study of the chromatin in bivalves. In *FIU Biosymposium*. Miami FL, USA.
- Eirin-Lopez, J. M. (2013). Epigenetic insights into the adaptive response of bivalve molluscs to marine biotoxins. In *Marine Science Seminar Series, Department of Biological Sciences, Florida International University* Miami FL, USA.
- Eirin-Lopez, J. M., & Suarez-Ulloa, V. (Graduate_Student). (2013). Clustering of gene expression profiles applied to marine research. In *International Work Conference on Artificial and Neural Networks (IWANN)* Tenerife, Spain.
- Eirin-Lopez, J. M. (2013). Unmasking chromatin evolution: organismal complexity and adaptive response to changing environments. In *Department of Biological Sciences, Florida International University*. Miami FL, USA.
- Eirin-Lopez, J. M. (2012). Histones; evolution of key players for DNA packing and metabolism in chromatin. In *Department of Genetics, University of Granada*. Granada, Spain.
- Eirin-Lopez, J. M. (2011). Histones, key players in DNA packaging and function within the cell nucleus. In *Congress of the Spanish Society of Evolutionary Biology (SESBE)* Madrid, Spain.
- Eirin-Lopez, J. M., & Suarez-Ulloa, V. (Graduate_Student). (2011). Development of a database of chromatin-associated genotoxicity biomarkers. In *3rd Meeting of the Galician Bioinformatics Network* Vigo, Spain.
- Eirin-Lopez, J. M. (2010). Histones in regalia: flourishing diversity on the verge of germ chromatin evolution. In *Joint Annual Meeting of the Society for the Study of Evolution (SSE), The Society of Systematic Biologists (SSB), and the American Society of Naturalists (ASN)*. Portland, OR, USA.
- Eirin-Lopez, J. M. (2009). Origin and evolution of sperm nuclear basic proteins. In *National Museum of Natural Sciences, Spanish Research Council*. Madrid, Spain.
- Eirin-Lopez, J. M. (2009). Ligand diversity and biological roles for carbohydrate-binding modules: a molecular evolutionary perspective. In *National Center of Biotechnology, Spanish Research Council* Madrid, Spain.
- Eirin-Lopez, J. M. (2009). Electrostatic properties of chromosomal proteins and impact on chromatin dynamics. In *2nd Meeting of the Galician Bioinformatics Network* Santiago de Compostela, Spain.
- Eirin-Lopez, J. M. (2008). Evolution of sperm nuclear basic proteins: effects on fertility and sperm competition. In *University of A Coruña Medical School*. A Coruña, Spain.
- Eirin-Lopez, J. M. (2008). The sperm proteins from amphioxus mirror its basal position among chordates and redefine the origin of vertebrate protamines. In *13th Evolutionary Biology Meeting at Marseilles* Marseilles, France.
- Eirin-Lopez, J. M., & Gonzalez-Romero, R. (Graduate_Student). (2008). Long-term evolution of the histone H2A family mediated by a birth-and-death process. In *13th Evolutionary Biology Meeting at Marseilles* Marseilles, France.
- Eirin-Lopez, J. M. (2008). Evolutionary origin of vertebrate protamines: new clues from cephalochordates and tunicates. In *Department of Biochemistry, Genetics and Immunology, University of Vigo* Vigo, Spain.
- Eirin-Lopez, J. M. (2006). Evolution and revolutions of nuclear chaperones in chromatin remodeling: the nucleophosmin/nucleoplasmin family. In *Asilomar Chromatin and Chromosomes Conference* Asilomar, CA, USA.
- Eirin-Lopez, J. M. (2006). The footloose histone H1 and the fancy-free sperm nuclear basic proteins: we are a happy family! In *Annual Meeting of the Society for Molecular Biology and Evolution (SMBE)* Tempe, AZ, USA.
- Eirin-Lopez, J. M. (2005). "Orphon" histones and the molecular evolution of the H1 multigene family. In *Department of Biochemistry and Microbiology, University of Victoria*. Victoria BC, Canada.
- Eirin-Lopez, J. M. (2005). Histone H1 function and distribution in chromatin: what does molecular evolution tell us about it? In *Asilomar Chromatin and Chromosomes Conference*. Asilomar, CA, USA.
- Eirin-Lopez, J. M. (2001). Mussel *Mytilus* histone genes: possible evidence of an "orphon origin" for H1 histone genes. In *8th Congress of the European Society for Evolutionary Biology (ESEB)*. Aarhus, Denmark.

Teaching Innovation and Other Relevant Teaching Activities

Summer 2020 - Summer 2020

Summer 2020 Hybrid and Online Course Tune-Up Lab, Use of technology and software,

- Review content to highlight relevance for students
- Organize your gradebook

- Write/revise and get feedback on discussion prompts and exam questions
- Check the accessibility of your online course materials
- Work with other faculty from across disciplines

Innovations in Course Content / Presentation

Fall 2019 - Ongoing

Multidisciplinary course OCB: 1930 MARINE BIOLOGY AT FIU, New courses developed or significantly revised,

Participation in new course focused to engage freshman marine biology students with the research being developed by faculty at FIU's Marine Sciences Program.

Spring 2019 - Ongoing

Epigenetics (PCB 4561), New courses developed or significantly revised,

I transformed my Epigenetics course (PCB 4561) into HHMI active Learning course, funded by FIU's Stem Transformation Institute. I took preparatory training to build the course with the assistance of an instructional designer.

Production of Online or Hybrid Course Material ,

I transformed my Genetics course (PCB 4674-BHA) into hybrid mode. I took preparatory training under FIU Hybrid Program over the summer to do so and built the course with the assistance of an instructional designer.

Fall 2018 - Fall 2018

Genetics (PCB 3063-U06), New courses developed or significantly revised,

I transformed my Genetics course (PCB 4674-BHA) into hybrid mode. I took preparatory training under FIU Hybrid Program over the summer to do so and built the course with the assistance of an instructional designer.

Production of Online or Hybrid Course Material ,

I transformed my Genetics course (PCB 4674-BHA) into hybrid mode. I took preparatory training under FIU Hybrid Program over the summer to do so and built the course with the assistance of an instructional designer.

Fall 2017 - Ongoing

Evolution (PCB 4674-BHA), New courses developed or significantly revised,

I further developed my Evolution course (PCB 4674-BHA) to gain the Affordability Medallion. This initiative has two objectives: Help make college education more affordable by encouraging the adoption of low-cost course materials, and recognize faculty who have proactively made changes in their courses to make course materials more affordable for our students.

Innovations in Course Content / Presentation

Spring 2017 - Spring 2018

Epigenetics, New courses developed or significantly revised,

I developed the new course Epigenetics, which is now approved by the Department and the College and has officially obtained a course number to be included in the course catalog starting in the course 2018-19. FIU will be the only college in Florida offering this course for undergraduates.

New course Development Approved by Col or Dept

Fall 2016 - Fall 2017

Evolution (PCB 4674-B51), New courses developed or significantly revised,

Continuing full revision of the course Evolution (PCB 4674-B51) started in Spring 2014, including: new classes added, development of original visual materials and self-assessment tests, development of original slides as accompanying materials for adopted bibliography.

Innovations in Course Content / Presentation

Evolution (PCB 4674-BHA), New courses developed or significantly revised,

I transformed my Evolution course (PCB 4674-BHA) into hybrid mode. I took preparatory training under FIU Hybrid Program over the summer to do so and built the course with the assistance of an instructional designer.

Production of Online or Hybrid Course Material ,

I transformed my Evolution course (PCB 4674-BHA) into hybrid mode. I took preparatory training under FIU Hybrid Program over the summer to do so and built the course with the assistance of an instructional designer.

Genetics (PCB3063-U02), New courses developed or significantly revised,

I developed the course Genetics (PCB3063-U02) from scratch, taught it just once in Fall 2016, ready to teach it anytime if necessary.

Innovations in Course Content / Presentation

Spring 2016 - Spring 2017

Topics in Biology - Chromatin and Epigenetics (BSC 5935-B51), New courses developed or significantly revised,

The course Topics in Biology -Chromatin and Epigenetics (BSC 5935-B51) is the evolved and updated version of the course "Chromatin Structure and Evolution" that I taught for 5 years at my former position back in Spain. The current revamped version, includes higher emphasis on epigenetics and the mechanisms mediating responses to environmental factors. I taught the second edition of this course which I intend to open to undergraduates in the future.

Innovations in Course Content / Presentation

Topics in Biology - Chromatin and Epigenetics (BSC5935-B51, BSC5935-U01, PCB4133-B51, PCB4133-U01), New courses developed or significantly revised,

I developed this course (BSC5935-B51, BSC5935-U01, PCB4133-B51, PCB4133-U01) for graduate students in 2014. During the last years, undergraduate students transmitted their interest in the topic, so I decided to include a section aimed at undergraduates. The response has been overwhelmingly positive so far, with 60 undergraduates enrolled and FIU being the only college in Florida offering this course for undergraduates.

Innovations in Course Content / Presentation

Fall 2015 - Fall 2016

Evolution (PCB 4674-B51), New courses developed or significantly revised,

Continuing full revision of the course Evolution (PCB 4674-B51) started in Spring 2014, including: new classes added, development of original visual materials and self-assessment tests, development of original slides as accompanying materials for adopted bibliography.

Innovations in Course Content / Presentation

Spring 2015 - Spring 2016

Topics in Biology - Chromatin and Epigenetics (BSC 5935-B51), New courses developed or significantly revised,

The course Topics in Biology -Chromatin and Epigenetics (BSC 5935-B51) is the evolved and updated version of the course "Chromatin Structure and Evolution" that I taught for 5 years at my former position back in Spain. The current revamped version, includes higher emphasis on epigenetics and the mechanisms mediating responses to environmental factors.

Innovations in Course Content / Presentation

Spring 2014 - Fall 2015

Evolution (PCB 4674-B51), New courses developed or significantly revised,

Full revision of the course Evolution (PCB 4674-B51) including: new classes added, development of original visual materials and self-assessment tests, development of original slides as accompanying materials for adopted bibliography.

Innovations in Course Content / Presentation

Funded Research/Grants

Completed

- Assessing environmental stress in Deering State Canals, Funded by Howard W. Hoover Foundation (May 1, 2022 - September 1, 2022) (**\$20,000.00**), Completed, Spring 2023, PI Jose Eirin-Lopez with PI Juliet Wong, PI Kelcie Chiquillo [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Foundation] [Type of Grant: Research]
- Understanding the epigenetics and the eDNA surrounding seagrasses in Biscayne Bay, Funded by FIU Foundation (March 21, 2022 - November 1, 2022) (**\$23,039.13**), Completed, Fall 2022, PI JOSEPH MEIRA DE EIRIN-LOPEZ with CoPI Kelcie Chiquillo, CoPI Juliet Wong, CoPI Piero Gardinali [Type of Funding: Other]
- Transformation of the Course "Epigenetics", Funded by HHMI FIU Stem Institute (May 1, 2021), awarded April 1, 2019 (**\$5,000.00**), Completed, Summer 2021, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]
- Epigenetics as a new frontier to improve shark nursery conservation in Bimini (Bahamas), Funded by Save Our Seas Foundation (June 1, 2018), awarded April 1, 2018 (**\$9,500.00**), Completed, Spring 2021, PI Jose Eirin-Lopez with CoPI Andria Beal [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]
- Travel Award, Funded by FIU Center for Coastal and Ocean Research (May 31, 2019), awarded January 1, 2019 (**\$500.00**), Completed, Spring 2021, PI Jose Eirin-Lopez with CoPI Serena Hackerott [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]
- Post-Irma and Maria Hurricane impact collaboration FIU CREST Puerto Rico, Funded by National Science Foundation (November 13, 2017 - November 30, 2018), awarded November 1, 2017 (**\$180,904.00**), Completed, Fall 2020, PI Jose Eirin-Lopez with Program Coordinator Todd Crowl, PI Rita Teutonico [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]
- Epigenetics as a new frontier to improve shark nursery conservation in Bimini (Bahamas)", Funded by Save Our Seas Foundation (June 1, 2018) (**\$9,100.00**), Completed, Fall 2020, PI Jose Eirin-Lopez with CoPI Andria Beal [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Foundation] [Type of Grant: Research]
- Development of an epigenetic tool to age marine mammals, Funded by FIU Tropics (April 1, 2019) (**\$1,500.00**), Completed, Fall 2020, PI Jose Eirin-Lopez with CoPI Andria Beal [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]
- Research Award, Funded by Friends of Gumbo Limbo (May 31, 2019), awarded January 1, 2019 (**\$2,500.00**), Completed, Summer 2020, PI Jose Eirin-Lopez with CoPI Serena Hackerott [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]
- Teaching Assistantship to supervised Graduate Student, Funded by University Graduate School, FIU (August 15, 2016), awarded August 1, 2016 (**\$93,840.00**), Completed, Fall 2019, PI Jose Eirin-Lopez with Other Andria Beal [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]
- Epigenetic signatures of polyethylene microplastic exposure in the mussel *Mytilus galloprovincialis*, Funded by European Marine Biology Resource Center (July 1, 2019), awarded April 1, 2019 (**\$15,000.00**), Completed, Fall 2019, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]
- Travel Award, Funded by FIU Center for Coastal and Ocean Research (May 31, 2019), awarded January 1, 2019 (**\$500.00**), Completed, Fall 2019, PI Jose Eirin-Lopez with CoPI Serena Hackerott [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]
- Research Award, Funded by Parker Award (May 31, 2019), awarded January 1, 2019 (**\$500.00**), Completed, Fall 2019, PI Jose Eirin-Lopez with CoPI Serena Hackerott [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]
- Travel Award, Funded by FIU Center for Coastal and Ocean Research (May 31, 2019), awarded January 1, 2019

(\$500.00), Completed, Summer 2019, PI Jose Eirin-Lopez with CoPI Serena Hackerott [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Research Award, Funded by FIU Tropics (May 31, 2019), awarded January 1, 2019 **\$4,500.00**, Completed, Summer 2019, PI Jose Eirin-Lopez with CoPI Serena Hackerott [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

2019 Biosymposium Development Funds, Funded by College Arts Sciences and Education and Dept. Biological Sciences FIU (September 1, 2017 - August 31, 2018), awarded September 1, 2017 (**\$1,000.00**), Completed, Spring 2019, PI Jose Eirin-Lopez with PI Heather Bracken-Grissom [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Research Travel Award, Funded by FIU Tropics (May 31, 2019), awarded January 1, 2019 **\$1,500.00**, Completed, Spring 2019, PI Jose Eirin-Lopez with CoPI Serena Hackerott [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Student Grant-in-Aid of Caribbean Marine Research, Funded by Association of Marine Laboratories of the Caribbean (May 31, 2019), awarded January 1, 2019 (**\$1,000.00**), Completed, Spring 2019, PI Jose Eirin-Lopez with CoPI Javier Rodriguez-Casariago [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Research Award, Funded by FIU Tropics (May 31, 2019), awarded January 1, 2019 **\$3,000.00**, Completed, Spring 2019, PI Jose Eirin-Lopez with CoPI Serena Hackerott [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Research Travel Award, Funded by FIU Tropics (May 31, 2019), awarded January 1, 2019 **\$1,500.00**, Completed, Spring 2019, PI Jose Eirin-Lopez with CoPI Andria Beal [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Epigenetic characterization of marine invertebrates, Funded by Ramon Areces Foundation (September 30, 2016 - September 30, 2018), awarded October 1, 2016 (**\$60,000.00**), Completed, Fall 2018, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Foundation] [Type of Grant: Research]

Teaching Assistantship to supervised Graduate Student, Funded by University Graduate School, FIU (August 15, 2016), awarded August 1, 2016 (**\$93,840.00**), Completed, Fall 2018, PI Jose Eirin-Lopez with Other Javier Rodriguez-Casariago [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Teaching Assistantship to supervised Graduate Student, Funded by University Graduate School, FIU (July 31, 2022), awarded August 1, 2018 (**\$93,840.00**), Completed, Summer 2018, PI Jose Eirin-Lopez with Other Serena Hackerott [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Epigenetics as a new frontier to improve shark nursery conservation in Bimini (Bahamas), Funded by FIU Tropics (January 1, 2018), awarded October 30, 2017 (**\$1,000.00**), Completed, Spring 2018, PI Jose Eirin-Lopez with CoPI Andria Beal [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Development of an epigenetic tool to age marine mammals, Funded by FIU Tropics (June 1, 2018), awarded April 1, 2018 (**\$3,000.00**), Completed, Spring 2018, PI Jose Eirin-Lopez with CoPI Andria Beal [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Development of epigenetic tools for coral restoration in Puerto Rico, Funded by FIU Tropics (June 1, 2018), awarded April 1, 2018 (**\$1,000.00**), Completed, Spring 2018, PI Jose Eirin-Lopez with CoPI Javier Rodriguez-Casariago [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Analysis of epigenetic responses in sharks, Funded by FIU Parker Award (June 1, 2018), awarded April 1, 2018 (**\$850.00**), Completed, Spring 2018, PI Jose Eirin-Lopez with CoPI Andria Beal [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No]

[Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Using network analysis of online and in-person majors Evolution courses to study challenges in an online BA program for Biological Sciences, Funded by FIU UP:LIFT (University Paradigm: Learn, Interact, Facilitate, Transform) Course Reform Initiative (September 1, 2016 - August 31, 2017), awarded September 1, 2016 (**\$32,599.00**), Completed, Fall 2017, CoPI Jose Eirin-Lopez with CoPI Timothy Collins, CoPI Eric Brewere, PI Eric Bishop-Von Wettberg, CoPI Kristin Bishop-Von Wettberg [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

2017 Worlds Ahead Marine Sciences Seminar Series, Funded by FIU University Graduate School (January 1, 2017 - January 31, 2017), awarded January 1, 2017 (**\$6,000.00**), Completed, Fall 2017, PI Jose Eirin-Lopez with PI Heather Bracken-Grissom [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Characterization of epigenetic modifications in oysters, Funded by Broward Shellfish Club (June 1, 2016), awarded June 1, 2016 (**\$1,000.00**), Completed, Fall 2017, PI Jose Eirin-Lopez with CoPI Michelot Michel [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Foundation] [Type of Grant: Research]

Teaching Assistantship to supervised Graduate Student, Funded by University Graduate School, FIU (August 13, 2017), awarded August 1, 2013 (**\$93,840.00**), Completed, Summer 2017, PI Jose Eirin-Lopez with Other Victoria Suarez-Ulloa [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Stress-hardening of reef corals: influence over microbiome, transcriptomic and epigenetic patterns, Funded by FIU Tropics (January 1, 2018), awarded October 30, 2017 (**\$3,000.00**), Completed, Spring 2017, PI Jose Eirin-Lopez with CoPI Javier Rodriguez-Casariago [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Comparative Genomics Workshop Travel award to supervised Graduate Student, Funded by United States Department of Agriculture, National Shellfisheries Association (March 1, 2017), awarded February 1, 2017 (**\$1,000.00**), Completed, Spring 2017, CoPI Jose Eirin-Lopez with PI Victoria Suarez-Ulloa [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Dissertation Year Fellowship to supervised Graduate Student, Funded by University Graduate School, FIU (January 1, 2017), awarded January 1, 2017 (**\$16,000.00**), Completed, Spring 2017, CoPI Jose Eirin-Lopez with PI Victoria Suarez-Ulloa [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

2018 Biosymposium Development Funds, Funded by College Arts Sciences and Education and Dept. Biological Sciences FIU (September 1, 2017 - August 31, 2018), awarded September 1, 2017 (**\$1,000.00**), Completed, Spring 2017, PI Jose Eirin-Lopez with PI Heather Bracken-Grissom [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Pilot analysis of next-generation epigenetic biomarkers of brevetoxin exposure during Florida Red Tides in the Eastern Oyster and Bay Scallop, Funded by Biomolecular Sciences Institute, FIU (May 1, 2015 - April 30, 2016), awarded May 1, 2015 (**\$10,000.00**), Completed, Spring 2016, PI Jose Eirin-Lopez with CoPI John Berry [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Travel award to supervised Graduate Student, Funded by Society of Environmental Toxicology and Chemistry (August 1, 2016), awarded August 1, 2016 (**\$400.00**), Completed, Spring 2016, CoPI Jose Eirin-Lopez with PI Victoria Suarez-Ulloa [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Other] [Type of Grant: Research]

Graduate Travel Funds to supervised Graduate Student, Funded by University Graduate School, FIU (January 1, 2014), awarded January 1, 2014 (**\$600.00**), Completed, Spring 2016, CoPI Jose Eirin-Lopez with PI Victoria Suarez-Ulloa [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

2015 Worlds Ahead Marine Sciences Seminar Series, Funded by FIU University Graduate School (January 1, 2015 - December 31, 2015), awarded January 1, 2015 (**\$6,000.00**), Completed, Fall 2015, PI Jose Eirin-Lopez with PI Heather Bracken-Grissom [Activity Considered Community Engagement/Community-Engaged

Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

2016 Worlds Ahead Marine Sciences Seminar Series, Funded by FIU University Graduate School (January 1, 2016 - January 31, 2016), awarded January 1, 2016 (**\$6,000.00**), Completed, Fall 2015, PI Jose Eirin-Lopez with PI Heather Bracken-Grissom [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Specialization imparted by histone variants H2A.X and H2A.Z to chromatin in bivalve molluscs: protostome evolution and genotoxicity tests, Funded by Government of Spain (January 1, 2011 - December 1, 2014), awarded January 1, 2011 (**\$125,000.00**), Completed, Fall 2014, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Advance Mass Spectrometry Facility Rapid Access. , Funded by FIU Mass Spectrometry Facility (July 1, 2014 - November 30, 2014), awarded July 1, 2014 (**\$250.00**), Completed, Fall 2014, PI Jose Eirin-Lopez with CoPI John Berry [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Study of the specialization imparted by histone variants to chromatin in bivalves, Funded by Government of Spain (December 1, 2009 - November 1, 2013), awarded December 1, 2009 (**\$50,000.00**), Completed, Fall 2013, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

"Ramon y Cajal" endowment for Research, Funded by Government of Spain (January 1, 2010 - December 31, 2013), awarded January 1, 2010 (**\$120,000.00**), Completed, Fall 2013, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Consolidation of the Galician Bioinformatics network, Funded by Government of Spain (November 1, 2011 - December 31, 2011), awarded November 1, 2011 (**\$5,000.00**), Completed, Fall 2013, CoPI Jose Eirin-Lopez with PI D Posada [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

NanoLINEN – nanotoxicology link between india and eurpean nations, Funded by European Research Council (October 1, 2010 - December 31, 2012), awarded October 1, 2010 (**\$6,000.00**), Completed, Fall 2012, CoPI Jose Eirin-Lopez with CoPI J Mendez, PI B Laffon [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Study of the genotoxic effects of the marine biotoxin okadaic acid on mussel aquaculture industry, Funded by Government of Spain (June 1, 2008 - May 31, 2011), awarded June 1, 2008 (**\$35,000.00**), Completed, Spring 2011, CoPI Jose Eirin-Lopez with PI Josefina Mendez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Identification of DNA markers in the clam Venerupis pullastra and application for genetic variability analysis and population structure, Funded by Government of Spain (October 1, 2007 - September 30, 2010), awarded October 1, 2007 (**\$18,000.00**), Completed, Fall 2010, CoPI Jose Eirin-Lopez with PI Ana Insua [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Development of cytogenetic and molecular markers in the clam Ruditapes decussatus under environmental stress, Funded by Government of Spain (October 1, 2007 - September 30, 2010), awarded October 1, 2007 (**\$20,000.00**), Completed, Fall 2010, CoPI Jose Eirin-Lopez with PI Josefina Mendez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Study of the evolution of metazoan animals through the analysis of chromatin and the histone code, Funded by Government of Spain (November 1, 2009 - October 31, 2011), awarded November 1, 2009 (**\$20,000.00**), Completed, Fall 2010, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

"Isidro Parga Pondal" endowment for Research, Funded by Government of Spain (January 1, 2009 - December 31, 2010), awarded January 1, 2009 (**\$25,000.00**), Completed, Fall 2010, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Molecular and evolutionary characterization histone variants: mechanisms involved in altered chromatin conformations arising from pathological states, Funded by European Research Council (January 1, 2006 - December 31, 2008), awarded January 1, 2006 (**\$235,000.00**), Completed, Fall 2008, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Structural and chromosomal location of different genomic regions in the mussel *Mytilus galloprovincialis*, Funded by Government of Spain (June 1, 2001 - May 31, 2004), awarded June 1, 2001 (**\$15,000.00**), Completed, Spring 2001, CoPI Jose Eirin-Lopez with PI Josefina Mendez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Funded - In Progress

REEFS team (Reef Engineering to Enhance Future Structures), Funded by University of Miami (June 1, 2022 - November 30, 2023) (**\$187,986.00**), Funded - In Progress, Summer 2022, PI JOSEPH MEIRA DE EIRIN-LOPEZ [Type of Funding: Other]

Assessing the impacts of water quality and climate change on the long-spined sea urchin *Diadema antillarum* to inform coral reef management and restoration in Puerto Rico, Funded by University of Puerto Rico (July 22, 2022 - January 31, 2025) (**\$125,379.08**), Funded - In Progress, Summer 2022, PI JOSEPH MEIRA DE EIRIN-LOPEZ [Type of Funding: Other]

Reefense: REEFS (Reef Engineering to Enhance Future Structures), Funded by Department of Defense (June 1, 2022) (**\$25,000,000.00**), Funded - In Progress, Spring 2022, PI Jose Eirin-Lopez with PI Margaret Miller, PI Andrew Baker [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Assessing the impacts of water quality and climate change on the long-spined sea urchin *Diadema antillarum* to inform coral reef management and restoration in Puerto Rico, Funded by Puerto Rico Sea Grant (October 1, 2021 - September 30, 2024) (**\$300,000.00**), Funded - In Progress, Spring 2022, PI Jose Eirin-Lopez with PI Juliet Wong, PI Alex Mercado-Molina [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Postdoctoral Fellowship to Mentored Postdoc, Funded by National Science Foundation (January 1, 2022), awarded January 1, 2022 (**\$150,000.00**), Funded - In Progress, Spring 2022, Program Coordinator Jose Eirin Lopez (10%) with PI Kelcie Chiquillo (90%) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: Internal] [Type of Funding: Federal] [Type of Grant: Fellowship]

Women's Explorer Award, Funded by FIU Foundation (January 1, 2022 - April 1, 2025) (**\$21,000.00**), Funded - In Progress, Spring 2022, PI JOSEPH MEIRA DE EIRIN-LOPEZ with PI Michael Heithaus, PI Alastair Harborne, PI Mireya Mayor, PI Melissa Mccartney, PI Heather Bracken-Grissom, PI Zahra Hazari, PI Yannis Papastamatiou, PI Elizabeth Anderson [Type of Funding: Other]

Stress Hardening Interventions for Improved Coral Restoration: Benefits, Costs & Biomarkers, Funded by National Oceanic and Atmospheric Administration (October 1, 2020 - September 30, 2023) (**\$340,310.00**), Funded - In Progress, Fall 2021, PI Jose Eirin-Lopez (25%) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: Internal] [Type of Funding: Federal] [Type of Grant: Research]

FIU CREST-CACHe 2.0, Funded by National Science Foundation (October 1, 2021 - September 30, 2026) (**\$5,000,000.00**), Funded - In Progress, Fall 2021, CoPI Jose Eirin-Lopez with Program Coordinator Todd Crawl, PI Rita Teutonico, PI Scott Graham [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

CREST Phase II: Center for Aquatic Chemistry and Environment (CREST-CACHe), Funded by National Science Foundation (September 1, 2021 - August 31, 2026) (**\$5,134,515.00**), Funded - In Progress, Fall 2021, CoPI JOSEPH MEIRA DE EIRIN-LOPEZ with Key Personnel Sonia Underwood, Key Personnel Heather Bracken-Grissom, Key Personnel Natalia Soares Quinete, Key Personnel Jennifer Rehage, Key Personnel Shahin Vassigh, Key Personnel SHU-CHING CHEN, Key Personnel Laird Kramer, Key Personnel Kevin Boswell, PI Todd Crawl, CoPI Tiffany Troxler, CoPI Rita Teutonico, CoPI Francisco Alberto Fernandez Lima, Key Personnel Piero Gardinali, Key Personnel Scott Graham [Type of Funding: Other]

Stress Hardening Interventions for Improved Coral Restoration: Benefits, Costs, and Biomarkers, Funded by National Oceanic and Atmospheric Admin (September 1, 2021 - August 31, 2024) (**\$343,883.54**), Funded - In Progress, Fall 2021, PI JOSEPH MEIRA DE EIRIN-LOPEZ [Type of Funding: Other]

CRESTropical: A thematic network studying the environmental-epigenetic linkages shaping phenotypic

responses in tropical ecosystems, Funded by National Science Foundation (August 31, 2021 - August 31, 2021), awarded September 1, 2020 (**\$99,620.00**), Funded - In Progress, Summer 2021, PI Jose Eirin-Lopez with Program Coordinator Todd Crowl, PI Rita Teutonico [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Postdoctoral Fellowship to Mentored Postdoc, Funded by National Science Foundation (October 1, 2020 - September 30, 2022), awarded April 1, 2020 (**\$150,000.00**), Funded - In Progress, Spring 2020, Program Coordinator Jose Eirin Lopez (10%) with PI Juliet Wong (90%) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: Internal] [Type of Funding: Federal] [Type of Grant: Fellowship]

COLLABORATIVE RESEARCH: URoL : Epigenetics 2: Predicting phenotypic and eco-evolutionary consequences of environmental-energetic-epigenetic linkages, Funded by National Science Foundation (September 1, 2019 - August 31, 2024) (**\$629,339.00**), Funded - In Progress, Fall 2019, PI JOSEPH MEIRA DE EIRIN-LOPEZ [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Other] [Type of Grant: Research]

REU Site: Understanding Coastal Ecosystems: From the Everglades to the Coral Reefs, Funded by National Science Foundation (April 1, 2019 - March 31, 2024) (**\$395,538.00**), Funded - In Progress, Spring 2019, Key Personnel JOSEPH MEIRA DE EIRIN-LOPEZ with Key Personnel Kevin Boswell, Key Personnel Evelyn Gaiser, Key Personnel Rene Price, Key Personnel Jone Corrales, PI Rita Teutonico, Key Personnel Michael Ross, Key Personnel James Fourqurean, PI Todd Crowl, Key Personnel Piero Gardinali, Key Personnel John Kominoski [Type of Funding: Other]

Interaction between genotype and acquired environmental modifications during coral responses to extreme climatic events, Funded by National Science Foundation (January 15, 2018 - January 14, 2019), awarded December 8, 2017 (**\$176,081.00**), Funded - In Progress, Spring 2018, PI Jose Eirin-Lopez with CoPI Iliana Baums, CoPI Alberto Sabat [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

FIU CREST-CACHe, Funded by National Science Foundation (August 1, 2016 - July 31, 2020), awarded August 1, 2016 (**\$4,000,000.00**), Funded - In Progress, Fall 2017, CoInvestigator Jose Eirin-Lopez with Program Coordinator Todd Crowl, PI Rita Teutonico, PI Rene Price, PI Michael Ross, PI Laird Kramer, PI Scott Graham, PI Shu-Ching Chen, PI Rudolf Jaffe, PI Yong Cai, PI Piero Gardinali, PI Mark Rossi, PI Marcus Cooke [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

RAPID: COLLABORATIVE RESEARCH: Interaction between genotype and acquired environmental modifications during coral responses to extreme climatic events Irma and Maria, Funded by National Science Foundation (December 16, 2017 - December 31, 2020) (**\$109,006.00**), Funded - In Progress, Fall 2017, PI JOSEPH MEIRA DE EIRIN-LOPEZ with CoPI Rita Teutonico [Type of Funding: Other]

Submitted - Not Funded

Disaster and Resiliency in U.S.-Japan Coral Reef Ecosystems: Real-time, long-term genetic and ecological monitoring of the impact of coastal development on coral reef ecosystems in Okinawa and South Florida, Funded by Okinawa Institute of Science and Technology Foundation (October 1, 2021 - September 30, 2022) (**\$10,000.00**), Submitted - Not Funded, Spring 2021, PI Timothy Ravasi with PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Foreign] [Type of Grant: Research]

Epigenetics as a new frontier to age sharks, Funded by Shark Conservation Foundation (January 1, 2020) (**\$25,000.00**), Submitted - Not Funded, Fall 2020, PI Jose Eirin-Lopez with CoPI Andria Beal [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: Internal] [Type of Funding: University / College] [Type of Grant: Research]

Epigenetic contingencies for innate immunity and evolutionary consequences across invertebrate to protochordate lineages, Funded by National Institutes of Health (April 1, 2020 - March 31, 2023) (**\$150,000.00**), Submitted - Not Funded, Fall 2020, PI Jose Eirin Lopez (0%) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Interdisciplinary Tools Approach to Improve Coastal Resilience in Puerto Rico Through Coral Reef Restoration, Funded by National Fish and Wildlife Foundation (October 1, 2020 - September 30, 2023) (**\$556,745.00**), Submitted - Not Funded, Fall 2020, PI Jose Eirin-Lopez (50%) with PI Rolando Santos Corujo (50%) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

CAREER: Nongenetic basis of coral phenotypic plasticity and adaptation, Funded by National Science Foundation (June 1, 2019) (**\$614,647.00**), Submitted - Not Funded, Summer 2018, PI Jose Eirin-Lopez

[Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

FIU_Elements: Acquisition of Multiple Instruments for Education and Research Enhancement in the Area of Elemental Characterization of Environmental Samples, Funded by Department of Defense (June 1, 2019) (**\$599,966.00**), Submitted - Not Funded, Summer 2018, CoPI Jose Eirin-Lopez with PI Piero Gardinali, CoPI Eric Wagner, CoPI Yong Cai, CoPI Todd Crawl, CoPI Tomas Guilarte [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Low-tech Rehabilitation of Coral Reef Ecosystem Services: An Alternative Test Bed to Reduce Coastal Vulnerability Source of Support: National Fish and Wildlife Foundation, Funded by National Fish and Wildlife Foundation (January 1, 2019) (**\$104,280.00**), Submitted - Not Funded, Summer 2018, CoPI Jose Eirin-Lopez with PI Edwin Hernandez-Delgado [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Development of a microarray tool detecting early sulfide stress in the turtle grass *Thalassia testudinum* in Florida Bay, Funded by National Park Service (January 1, 2018) (**\$254,998.80**), Submitted - Not Funded, Spring 2018, PI Jose Eirin-Lopez with CoPI Gary Rand, CoPI James Fourqurean, CoPI Justin Campbell [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Epigenetic alterations in the Mayan octopus in response to thermal stress, Funded by CONACYT, Mexico Research Agency (September 3, 2018) (**\$230,000.00**), Submitted - Not Funded, Spring 2018, CoPI Jose Eirin-Lopez with PI Carlos Rosas-Vazquez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Government] [Type of Grant: Research]

Analyzing and modeling microbiome dynamics from multiomics time-series data, Funded by National Science Foundation (January 1, 2018) (**\$753,090.00**), Submitted - Not Funded, Spring 2018, CoPI Jose Eirin-Lopez with CoPI T Cickovski, CoPI Kalai Mathee-Narasimhan, PI Giri Narasimhan [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

CAREER: Elucidating the role of histone modifications during epigenetic trans-generational responses to marine toxins in oysters, Funded by National Science Foundation (January 1, 2018) (**\$547,895.00**), Submitted - Not Funded, Fall 2017, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Restoration of the staghorn coral in Puerto rico using physiological preconditioning strategies, Funded by SeaWorld & Busch Gardens Conservation Fund (June 1, 2018) (**\$20,000.00**), Submitted - Not Funded, Fall 2017, PI Jose Eirin-Lopez with CoPI Javier Rodriguez-Casariago [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Foundation] [Type of Grant: Research]

Application of epigenetic conditioning in the oyster aquaculture industry of Florida: improving tolerance to Florida Red Tides and climate change, Funded by National Oceanic and Atmospheric Administration, Florida Sea Grant (June 1, 2017) (**\$280,000.00**), Submitted - Not Funded, Fall 2017, PI Jose Eirin-Lopez with CoPI Richard Pierce [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Functional Annotation of the Oyster Genome, Funded by United States Department of Agriculture (January 1, 2018) (**\$125,000.00**), Submitted - Not Funded, Summer 2017, CoPI Jose Eirin-Lopez with PI Hollie Putnam, CoPI Marta Gomez-Chiarri, CoPI Jonathan Puritz [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Epigenetic conditioning in stony corals as a potential new tool to improve coral reef management and restoration strategies, Funded by Protect Our Reefs, Mote Marine Laboratory (June 1, 2017) (**\$12,889.00**), Submitted - Not Funded, Spring 2017, PI Jose Eirin-Lopez with CoPI Deron Burkepille, CoPI Steven Roberts [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Foundation] [Type of Grant: Research]

Ecological and Health impact of HAB in South Florida as a function of Catchment and climate change: Hydrological, Biological and environmental assessments, Funded by Environmental Protection Agency (June 1, 2017) (**\$785,787.00**), Submitted - Not Funded, Spring 2017, CoPI Jose Eirin-Lopez with CoPI Kathleen Rein, PI Shimelis Setegn [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

How do nutrient and thermal stress affect epigenetic mechanisms involved in coral responses to global change?, Funded by National Science Foundation (January 1, 2017) (**\$669,300.00**), Submitted - Not Funded, Summer 2016, PI Jose Eirin-Lopez with CoPI Deron Burkepille, CoPI Steven Roberts [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

CAREER: Elucidating the role of histone variants and their modifications during environmental epigenetic responses to global change, Funded by National Science Foundation (January 1, 2018) (**\$755,886.00**), Submitted - Not Funded, Summer 2016, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Development of a microarray-based diagnostic test of brevetoxin (PbTx) exposure and genotoxicity in Eastern oyster, Funded by National Oceanic and Atmospheric Administration (June 1, 2016) (**\$244,498.00**), Submitted - Not Funded, Spring 2016, PI Jose Eirin-Lopez with CoPI John Berry [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Biomarkers of Fish Exposure to Ciguatoxins Toward Development of Effective Monitoring Strategies in Marine Aquaculture., Funded by National Oceanic and Atmospheric Administration, Aquaculture Research Program (September 1, 2016) (**\$293,500.00**), Submitted - Not Funded, Spring 2016, CoPI Jose Eirin-Lopez with PI John Berry, CoPI A Robertson [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Development of new biomonitoring methodologies to assess genotoxic effects of marine pollutants in bottlenose dolphin populations, Funded by National Oceanic and Atmospheric Administration (June 1, 2016) (**\$310,428.00**), Submitted - Not Funded, Fall 2015, PI Jose Eirin-Lopez with CoPI Michael Heithaus, CoPI Graham Worthy, CoPI Toby Daly-Engel, CoPI Krishna Das [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Histone variants and their modifications as mechanisms mediating environmental responses in invertebrates., Funded by National Science Foundation (January 1, 2017) (**\$644,950.00**), Submitted - Not Funded, Fall 2015, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Next Generation Microbiome Analysis, Funded by National Science Foundation (January 1, 2016) (**\$927,426.00**), Submitted - Not Funded, Fall 2015, CoPI Jose Eirin-Lopez with CoPI Kalai Mathee-Narasimhan, PI Giri Narasimhan [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Filling gaps and monitoring dolphins on the Florida panhandle., Funded by Florida Institute of Oceanography (January 1, 2016) (**\$299,472.00**), Submitted - Not Funded, Summer 2015, CoPI Jose Eirin-Lopez with CoPI Michael Heithaus, PI Graham Worthy, CoPI Toby Daly-Engel, CoPI Krishna Das [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: State] [Type of Grant: Research]

Epigenetic regulation of environmental adaptive responses in invertebrates., Funded by National Science Foundation (January 1, 2015) (**\$746,325.00**), Submitted - Not Funded, Fall 2014, PI Jose Eirin-Lopez [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: No] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Submitted for Review

MRI: Track 1 Acquisition of open platform for the real-time single cell isolation and nanoliter dispensing to enhance environmental and cellular research and training, Funded by National Science Foundation (October 1, 2023 - September 30, 2026) (**\$600,000.00**), Submitted for Review, Spring 2023, Key Personnel Jose Eirin-Lopez with PI Anna Simonsen [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

MRI: Acquisition of an Orbitrap Exploris GC 240 HRAM Gas, Funded by National Science Foundation (October 1, 2023 - September 30, 2026) (**\$1,000,000.00**), Submitted for Review, Fall 2022, CoPI Jose Eirin-Lopez with PI Francisco Fernandez-Lima [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Approval for Pre-award Spending: Yes] [Internal/External: External] [Type of Funding: Federal] [Type of Grant: Research]

Fall 2000

Doctoral Dissertation Fellowship, 2000, Government of Spain

Spring 2002

Visiting Scholarship, 2002, University of Tokyo

Fall 2005

Marie Curie Outgoing International Fellowship, 2005, European Commission

Summer 2008

"Isidro Parga Pondal" Endowed Position, 2008, Regional Government of Galicia, Spain

Fall 2008

Presentation Award to supervised graduate student (Rodrigo Gonzalez-Romero), 2008, Evolutionary Meeting at Marseilles

Summer 2009

"Ramon y Cajal" Endowed Position, 2009, Government of Spain

Fall 2011

Outstanding Young Investigator Award, 2011, Spanish Society of Evolutionary Biology

Spring 2012

Travel Awards, 2012, Government of Spain

Ph.D. Dissertation Award to supervised graduate student (Dr. Rodrigo Gonzalez-Romero), 2012, University of A Coruna, Spain

Fall 2013

Faculty Book Authors Recognition, 2013, Florida International University

Fall 2014

Presentation Award to supervised graduate student (Victoria Suarez-Ulloa), 2014, Biosymposium, FIU

Sigma Xi elected Member, 2014, Sigma Xi

I3 Research Excellence Award, 2014, Government of Spain

Summer 2015

Travel Award, 2015, Gordon Research Conferences

Travel Award, 2015, Gordon Research Conferences

Travel Award, 2015, Society for the Study of Evolution/NESCent

Spring 2016

Service Award to supervised undergraduate student (Gabriel Diaz), 2016, College of Arts, Sciences and Education, FIU

Fall 2016

InWE-MERI outstanding graduate student Award to supervised graduate student (Victoria Suarez-Ulloa), 2016, Institute of Water and Environment, FIU

FIU-MERI first publication, 2016, Marine Educational and Research Initiative, Institute of Water and Environment, FIU

Travel Award to supervised graduate student (Victoria Suarez-Ulloa), 2016, Graduate Student Association, FIU

Travel Award to supervised graduate student (Victoria Suarez-Ulloa), 2016, Society of Environmental Toxicology and Chemistry (SETAC)

Ph.D. Dissertation Award to supervised graduate student (Dr. Ciro Rivera-Casas), 2016, University of A Coruna, Spain

Dissertation Year Fellowship to supervised graduate student (Victoria Suarez-Ulloa), 2016, University Graduate School, FIU

Summer 2016

McNair Fellowship to supervised undergraduate student (Gabriel Diaz), 2016, Ronald E. McNair Foundation, FIU

Summer 2017

Outstanding Student Life Award Finalist to supervised undergraduate student (Michelot Michel), 2017, Florida International University

Worlds Ahead Award to supervised graduate student (Dr. Victoria Suarez-Ulloa), 2017, Florida International University

Honors Thesis Presentation Award to supervised undergraduate student (Michelot Michel), 2017, Honors School, Department of Biological Sciences, FIU

McNair Fellowship to supervised undergraduate student (Eliani Pena), 2017, Ronald E. McNair Foundation, FIU

Honors Award to supervised undergraduate student (Michelot Michel), 2017, Honors School, Department of Biological Sciences, FIU

Service Award to supervised undergraduate student (Michelot Michel), 2017, College of Arts, Sciences and Education, FIU

Fall 2017

Teaching Award, 2017, College of Arts, Sciences and Education, FIU

Spring 2018

Communicator Award, 2018, College of Arts, Sciences and Education, FIU

Thank-a-Prof Program, 2018, Center for the Advancement of Teaching, FIU

Summer 2018

Invited Speaker Travel Award, 2018, Gordon Research Conferences

Spring 2020

Provost LA Initiative Funding, 2019, Office of the Provost, FIU

Student Employee of the Year to supervised undergraduate student (Grant Burdine), 2020, Florida International University

Provost LA Initiative Funding, 2020, Office of the Provost, FIU

Presidential Fellowship to supervised graduate student (Kelsey Yetsko), 2020, Florida International University

Fall 2019

Ignite Silver Ribbon, 2019, Florida International University

Presidential Fellowship to supervised graduate student (Aaron Rose), 2019, Florida International University

CASE Distinguished Postdoctoral Scholar awarded to supervised postdoctoral researcher (Dr. Juliet Wong), 2019, Florida International University

Teaching Award, 2019, College of Arts, Sciences and Education, FIU

Research Award, 2019, College of Arts, Sciences and Education, FIU

Service Award, 2019, College of Arts, Sciences and Education, FIU

Ph.D. Dissertation Award to supervised graduate student (Dr. Veronica Prego-Faraldo), 2019, University of A Coruna, Spain

Spring 2021

Provost LA Initiative Funding, 2019, Office of the Provost, FIU

Rebuilding Coral Reefs Scholarship to mentored student (Serena Hackerott), 2021, Wave of Change

FIU Top Scholar, 2021, Florida International University

Dissertation Year Fellowship to supervised graduate student (Andria Beal), 2021, University Graduate School, FIU

Fall 2020

Remote Ready Course "Evolution", 2020, Florida International University

Presentation Award to supervised graduate student (Aaron Rose), 2020, Biosymposium, FIU

Summer 2021

Parker Award to mentored student (Serena Hackerott), 2021, Florida International University

Fall 2021

University Graduate Travel Grant to mentored student (Serena Hackerott), 2021, Florida International University

Women Explorers Award to mentored student (Serena Hackerott), 2021, Florida International University

Spring 2022

FIU Presidential Excellence Award, 2022, FIU Human Resources

Spring 2023

Competitive Sabbatical, 2023, Office of the Provost, FIU

University Committees

University

Summer 2015 - Ongoing

Dive Control Board, (Office Of The Provost) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: University]

Fall 2014 - Spring 2015

CamBIO (Computational and Molecular Biology Interest Organization, FIU) Advisor, (Office Of The Provost) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: University]

Administration

Fall 2018 - Ongoing

FIU's Ecology & Ecotoxicology Project Review Panel, (Provost and Exec VP Acad Aff) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: University]

Spring 2018 - Ongoing

NSF CREST-CaChE Leadership Committee member, (Provost and Exec VP Acad Aff) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: University]

Spring 2015 - Ongoing

Founding Faculty STEM Transformation Institute, (Provost and Exec VP Acad Aff) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: University]

Institute of Water and Environment, FIU Preeminent Program, (Provost and Exec VP Acad Aff) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: University]

Department

Spring 2020 - Ongoing

Faculty Mentor to Dr. Jeremy Kiszka, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Mentor] [Level of Service: Department]

Fall 2019 - Spring 2020

Phycologist Search Committee Chair, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Chair] [Level of Service: Department]

Spring 2019 - Spring 2019

FIU Annual Cocktail Reception Next Horizon representing InWE-CCOR, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Chair] [Level of Service: University]

Fall 2018 - Ongoing

Marine Biology committee to evaluate independent study proposals, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: University]

Fall 2017 - Fall 2020

Biosymposium Organization, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Chair] [Level of Service: Department]

Fall 2014 - Ongoing

Graduate Committee, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: Department]

Fall 2014 - Spring 2015

Marine Ecologist Search Committee, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: Department]

Spring 2014 - Spring 2014

Judge Biosymposium, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: Department]

Judge, Graduate Student Appreciation Week, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: College/School]

Fall 2013 - Spring 2014

Marine Ecologist Search Committee, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: Department]

Reviewer, FIU-FURC Florida Undergraduate Research Conference, (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: University]

Glaser Seminar Series co-host (Dr. Steven Henikoff), (Biology) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Member] [Level of Service: Department]

Fall 2013 - Summer 2017

Marine Sciences Seminar Series Committee, (SEAS - School of Environment, Art and Society) [Activity Considered Community Engagement/Community-Engaged Scholarship?: Yes] [Committee Responsibility: Chair] [Level of Service: College/School]

Other Institutional Service

Spring 2020 - Spring 2020

Faculty Host Dr. Kenneth Storey (Carleton University), (Biology)

Fall 2018 - Fall 2018

Faculty Host Dr. Timothy Ravasi (KAUST), (Biology)

Fall 2017 - Fall 2017

Faculty Host Dr. Juan Ausio visit (University of Victoria), (Biology)

Spring 2017 - Spring 2017

Faculty Host Dr. Ruth Gates visit (University of Hawaii), (Biology)

Faculty Host Dr. Nikki Traylor-Knowles (University of Miami), (Biology)

Spring 2016 - Spring 2016

Faculty Host Dr. Steven Roberts visit (University of Washington), (Biology)

Spring 2015 - Spring 2015

Faculty Host Dr. Steven Henikoff visit (Fred Hutchinson Cancer Research Center), (Biology)

Faculty Host Dr. Emily Monroe visit (William Patterson University), (Biology)

Student Supervision/Mentoring

Fall 2021 - Spring 2023

Student Name: Alyxandra Cicerrella, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Alyxandra joined my lab as a research volunteer.

Fall 2017 - Spring 2023

Student Name: Elina Barredo, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Mosquito Genetics, Faculty Advisor Name: Matthew DeGennaro, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Spring 2019 - Spring 2023

Student Name: Zach Howard, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Zach joined my lab as a research volunteer.

Fall 2020 - Spring 2023

Student Name: Ernesto Campos, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Ernesto joined my lab as a research volunteer.

Fall 2021 - Fall 2022

Student Name: Katie Molina, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Katie joined my lab as a research volunteer.

Student Name: Pascal Escobar, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Pascal joined my lab as a research volunteer.

Fall 2020 - Summer 2022

Student Name: Kelsey Yetsko, Degree/Program: Presidential Fellowship, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Coral environmental epigenetics, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Kelsey joined my lab to develop her Ph.D. under my supervision at FIU.

Fall 2017 - Spring 2022

Student Name: Fredis Mappin, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Mosquito Genetics, Faculty Advisor Name: Matthew DeGennaro, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Fall 2016 - Fall 2021

Student Name: Javier Rodriguez-Casariago, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during coral responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Javier Rodriguez-Casariago joined my lab to develop his Ph.D. under my supervision at FIU.

Student Name: Andria Beal, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Characterization of epigenetic biomarkers of stress in marine predators, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Andria Beal joined my lab to develop her Ph.D. under my supervision at FIU.

Student Name: Carlos Varela, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title

of project/thesis/dissertation (for graduated advisees only): Crustacean taxonomy, Faculty Advisor Name: Heather Bracken-Grissom, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Spring 2019 - Fall 2021

Student Name: Ricardo Colon, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Marine biotoxin chemistry, Faculty Advisor Name: Kathleen Rein, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Summer 2021 - Summer 2021

Student Name: Jesse Margolies, Degree/Program: NSF-REU, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Epigenetic effects of extreme weather in corals, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): Arizona State University

Student Name: John Howard, Degree/Program: NSF-REU, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Epigenetic effects of extreme weather in corals, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): Penn State University

Spring 2019 - Spring 2021

Student Name: Christian Suarez, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Christian joined my lab as a research volunteer.

Student Name: Grant Burdine, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Grant joined my lab as a research volunteer.

Student Name: Summon Haq, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Summon joined my lab as a research volunteer.

Student Name: Helen Wagner, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Mosquito genetics, Faculty Advisor Name: Matthew DeGennaro, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Student Name: Alexander Antonio Marino, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Antonio joined my lab as a research volunteer.

Fall 2019 - Fall 2020

Student Name: Ruth Etienne, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Ruth joined my lab as a research volunteer.

Student Name: Aaron Rose, Degree/Program: Presidential Fellowship, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Coral environmental epigenetics, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Aaron joined my lab to develop his Ph.D. under my supervision at FIU.

Fall 2013 - Fall 2020

Student Name: Jorge Perez, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Cave biology phylogenetics, Faculty Advisor Name: Heather Bracken-Grissom, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Spring 2019 - Fall 2020

Student Name: Ivanna Ortiz Rivera, Degree/Program: University Puerto Rico Honors School, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Demographic effects of extreme weather in corals, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of Puerto Rico

Student Name: Larissa Johnson, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-

Lopez, Affiliation (FIU or Other): FIU, Larissa joined my lab as a research volunteer.

Fall 2015 - Fall 2020

Student Name: Robert Ditter, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Crustacean taxonomy and biogeography, Faculty Advisor Name: Heather Bracken-Grissom, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Spring 2019 - Fall 2019

Student Name: Alejandra Dominguez, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Alejandra joined my lab as a research volunteer.

Student Name: Mayly Acanda, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Mayly joined my lab as a research volunteer.

Student Name: Ingrid Piovanetti, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Ingrid joined my lab as a research volunteer.

Student Name: Dalexa Casares Acosta, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Dalexa joined my lab as a research volunteer.

Student Name: Wendy Martinez, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Wendy joined my lab as a research volunteer.

Student Name: Martha Caceres, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Marta joined my lab as a research volunteer.

Student Name: Tia Johnson, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Tia joined my lab as a research volunteer.

Student Name: Ivanna Ortiz Rivera, Degree/Program: NSF-REU, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Epigenetic effects of extreme weather in corals, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of Puerto Rico, Juan joined my lab as REU student working on my NSF-funded research investigating epigenetic modifications in corals after hurricanes Irma and Maria in Puerto Rico.

Spring 2017 - Fall 2019

Student Name: Alison Monroe, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Global change biology, Faculty Advisor Name: Timothy Ravasi, Affiliation (FIU or Other): King Abdullah University of Science and Technology, I participate as member of Ph.D. committee.

Spring 2019 - Summer 2019

Student Name: Ivanna Ortiz Rivera, Degree/Program: NSF-REU, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Demographic effects of extreme weather in corals, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of Puerto Rico, Yanelle joined my lab as REU student working on our CREST NSF-funded research investigating epigenetic modifications in corals after hurricanes Irma and Maria in Puerto Rico.

Fall 2013 - Summer 2019

Student Name: Daniel Merselis, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Coral immunology, Faculty Advisor Name: Mauricio Rodriguez-Lanetty, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Spring 2018 - Spring 2019

Student Name: Juan Sanchez Gonzalez, Degree/Program: NSF-REU, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Epigenetic effects of extreme weather in corals, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of Puerto Rico, Juan joined my lab as REU student working on my NSF-funded research investigating epigenetic modifications in corals after hurricanes Irma and Maria in Puerto Rico.

Fall 2016 - Spring 2019

Student Name: Ciro Rivera-Casas, Degree/Program: Postdoctoral Research Associate, Student Type: Post-Doc, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Molecular evolution of histone variants and epigenetic regulatory implications, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Ciro Rivera-Casas is a postdoc in my laboratory focused on molecular epigenetic analyses of marine invertebrates.

Spring 2015 - Fall 2018

Student Name: Gabriel Diaz, Degree/Program: B. S. Marine Biology, Student Type: Graduate McNair Fellow, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Characterization of histone and histone variants in elasmobranchs from south Florida.

Fall 2013 - Fall 2018

Student Name: Laura Timm, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Crustacean phylogenomics, Faculty Advisor Name: Heather Bracken-Grissom, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Spring 2018 - Summer 2018

Student Name: Yanelle Silva Luna, Degree/Program: NSF-REU, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Demographic effects of extreme weather in corals, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of Puerto Rico, Yanelle joined my lab as REU student working on my NSF-funded research investigating epigenetic modifications in corals after hurricanes Irma and Maria in Puerto Rico.

Spring 2017 - Fall 2017

Student Name: Eliani Pena, Degree/Program: B. S. Biology, Student Type: Graduate McNair Fellow, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Epigenetic modifications in indicator organisms in north Biscayne Bay.

Fall 2014 - Fall 2017

Student Name: Javier Pino, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Developmental biology of skin cancer., Faculty Advisor Name: Lidia Kos, Affiliation (FIU or Other): FIU, I participated as a member of the Ph.D. committee.

Spring 2015 - Fall 2017

Student Name: Sean Campbell, Degree/Program: B. S. Marine Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Epigenetic modifications mediating coral responses to variations in nutrients.

Fall 2013 - Summer 2017

Student Name: Abraham Smith, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Ecotoxicology, Faculty Advisor Name: Gary Rand, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Student Name: Victoria Suarez-Ulloa, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Transcriptomic and epigenetic responses to environmental stress in marine bivalves with a focus on harmful algal blooms, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Victoria Suarez-Ulloa completed her Ph.D. under my supervision at FIU.

Fall 2014 - Spring 2017

Student Name: Rodrigo Gonzalez-Romero, Degree/Program: Postdoctoral Research Associate, Student Type: Post-Doc, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Epigenetic modifications in marine organisms, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or

Other): FIU, Rodrigo Gonzalez-Romero was a postdoc in my laboratory focused on molecular epigenetic analyses of marine invertebrates.

Fall 2016 - Spring 2017

Student Name: Michelot Michel, Degree/Program: Honors in Biology, Student Type: Undergraduate, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Characterization of global DNA methylation in flat tree oysters and its correlation with environmental abiotic factors, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Michelot Michel completed his honors degree under my supervision at FIU.

Spring 2015 - Fall 2016

Student Name: Maria Carla Cañizares, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Characterization of epigenetic modifications in the flat tree oyster *Isognomon alatus* in northern Biscayne Bay.

Student Name: Juan Ortiz, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Environmental epigenetic analysis of seagrass species in northern Biscayne Bay.

Summer 2015 - Fall 2016

Student Name: Elizabeth Puente, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Bioinformatic analysis of oyster transcriptomes.

Spring 2016 - Summer 2016

Student Name: Jayson Esdaille, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Characterization of epigenetic modifications in the flat tree oyster *Isognomon alatus* in northern Biscayne Bay.

Spring 2016 - Spring 2016

Student Name: Daniel Garcia-Souto, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of Vigo (Spain), Visiting graduate student working on cytogenetic analysis of marine bivalves from south Florida.

Fall 2011 - Spring 2016

Student Name: Ana Nanton, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Molecular biomarkers in shellfish, Faculty Advisor Name: Ana Insua, Affiliation (FIU or Other): University of A Coruna (Spain), I participate as member of Ph.D. committee.

Student Name: Veronica Prego-Faraldo, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Assessment of early effects of marine toxins in the mussel *Mytilus* using molecular biomarkers, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Veronica Prego-Faraldo started her Ph.D. under my supervision in Spain and finished his degree when I was already a faculty at FIU.

Student Name: Wei Chen, Degree/Program: Ph. D. Chemistry, Student Type: PhD, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Biotxin synthesis and isolation, Faculty Advisor Name: Kathleen Rein, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Student Name: Angel Vizoso, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Graduated, Faculty Advisor Name: Esperanza Cerdan, Affiliation (FIU or Other): University of A Coruna (Spain), I participate as member of Ph.D. committee.

Fall 2010 - Spring 2016

Student Name: Maria Mugarella, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Genome biology of marine invertebrates, Faculty Advisor Name: Carlos Canchaya and David Posada, Affiliation (FIU or Other): University of Vigo (Spain), I participate as member of Ph.D. committee.

Summer 2015 - Fall 2015

Student Name: Claudia Char, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Characterization of epigenetic modifications in the flat tree oyster *Isognomon alatus* in northern Biscayne Bay.

Spring 2015 - Summer 2015

Student Name: Heidy Martinez, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Characterization of histone and histone variants in the flat tree oyster *Isognomon alatus*.

Student Name: Parvaneh Nouri, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Environmental epigenetic analysis of marine invertebrates in north Biscayne Bay.

Fall 2009 - Spring 2015

Student Name: Ciro Rivera-Casas, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Histone variants from marine invertebrates, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Ciro Rivera-Casas started his Ph.D. under my supervision in Spain and finished his degree when I was already a faculty at FIU.

Fall 2014 - Spring 2015

Student Name: Monica Szynaka, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Simulation of okadaic acid harmful algal blooms in blue mussels.

Student Name: Jennifer Gomez, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Gene expression patterns of mollusc histone variants in response to marine biotoxins.

Summer 2014 - Fall 2014

Student Name: Ashley Reid, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Simulation of okadaic acid harmful algal blooms in eastern oysters.

Summer 2014 - Summer 2014

Student Name: Brianna Rodriguez, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): Humboldt State University, Molecular evolution of HMG proteins.

Fall 2010 - Spring 2014

Student Name: Alexia Sexto, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Biotxin impact on shellfish development, Faculty Advisor Name: Josefina Mendez, Affiliation (FIU or Other): University of A Coruna (Spain), I participate as member of Ph.D. committee.

Fall 2012 - Spring 2013

Student Name: Marta Grandal, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Molecular phylogenetics of chromatin-associated proteins, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of A Coruna, Marta Grandal volunteered in my laboratory when I was Assistant Professor at the University of A Coruna (Spain) before moving to FIU.

Student Name: Marta Varela, Degree/Program: B. S. Biology, Student Type: Undergraduate, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Molecular phylogenetics of chromatin-associated proteins, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of A Coruna, Marta Varela volunteered in my laboratory when I was Assistant Professor at the University of A Coruna (Spain) before moving to FIU.

Student Name: Alejandra Rey, Degree/Program: M. S. Biology, Student Type: Masters, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Characterization of histone genes in marine invertebrates, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of A Coruna, Alejandra Rey completed her M.S. under my supervision when I was Assistant Professor at the University of A Coruna (Spain) before moving to FIU.

Fall 2011 - Spring 2012

Student Name: Victoria Suarez-Ulloa, Degree/Program: M. S. Bioinformatics, Student Type: Masters, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Development of a chromatin-associated proteins database, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of A Coruna, Victoria Suarez-Ulloa completed her M.S. under my supervision when I was Assistant

Professor at the University of A Coruna (Spain) before moving to FIU.

Fall 2006 - Spring 2010

Student Name: Rodrigo Gonzalez-Romero, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Molecular evolution of histones in metazoan animals, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of A Coruna, Rodrigo Gonzalez-Romero was my first graduate student, supervised when I was Assistant Professor at the University of A Coruna (Spain) before moving to FIU.

Fall 2006 - Spring 2007

Student Name: Rodrigo Gonzalez-Romero, Degree/Program: M. S. Biology, Student Type: Masters, Student Status: Graduated, Title of project/thesis/dissertation (for graduated advisees only): Molecular phylogenetics of chromatin-associated proteins, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): University of A Coruna, Rodrigo Gonzalez-Romero completed his M.S. under my supervision when I was Assistant Professor at the University of A Coruna (Spain) before moving to FIU.

Fall 2019 - Ongoing

Student Name: Riley Hatch, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Coral symbiosis, Faculty Advisor Name: Mauricio Rodriguez-Lanetty, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Student Name: Juliet Wong, Degree/Program: NSF Postdoctoral Fellow, Student Type: Post-Doc, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Coral environmental epigenetics, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Juliet joined my lab as postdoc to work on a recently funded NSF project focused on marine epigenetics

Spring 2023 - Ongoing

Student Name: Javier Rodriguez-Casariago, Degree/Program: Biology, Student Type: Post-Doc, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during coral responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Javier Rodriguez-Casariago joined my lab to develop his postdoc under my supervision at FIU.

Student Name: Gustavo Ruano Fajardo, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Biology, Faculty Advisor Name: Alessandro Catenazzi, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Fall 2022 - Ongoing

Student Name: Nina Bean, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Coral adaptation, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Nina Bean joined my lab to develop his Ph.D. under my supervision at FIU.

Student Name: Ibis Lopez Jimenez, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Effect of herbivory on coral reef epigenetics, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Ibis joined my lab to develop his Ph.D. under my supervision at FIU.

Fall 2018 - Ongoing

Student Name: Serena Hackerott, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during coral responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Serena Hackerott joined my lab to develop his Ph.D. under my supervision at FIU.

Fall 2021 - Ongoing

Student Name: Hiram Duarte, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Marine Biology, Faculty Advisor Name: Mauricio Rodriguez-Lanetty, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Student Name: Cassandra Fuller, Degree/Program: Ph. D. Chemistry, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Aquatic chemistry, Faculty Advisor Name: Francisco Fernandez-Lima, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Student Name: Emily Donohue, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-

Lopez, Affiliation (FIU or Other): FIU, Emily joined my lab as a research volunteer.

Student Name: Lauren Gregory, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Lauren joined my lab as a research volunteer.

Spring 2022 - Ongoing

Student Name: Kelcie Chiquillo, Degree/Program: NSF Postdoctoral Fellow, Student Type: Post-Doc, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Coral environmental epigenetics, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Kelcie joined my lab as postdoc to work on a recently funded NSF project focused on marine epigenetics

Student Name: Andre Briscoe, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Coral responses to nutrient stress, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Andre joined my lab to develop his Ph.D. under my supervision at FIU.

Fall 2020 - Ongoing

Student Name: Yasir Mamum, Degree/Program: Ph. D. Chemistry, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Aquatic chemistry, Faculty Advisor Name: Francisco Fernandez-Lima, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Student Name: Mark Annunziato, Degree/Program: Ph. D. Chemistry, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Aquatic chemistry, Faculty Advisor Name: John Berry, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Student Name: Wendy Paez, Degree/Program: B.S. Biology, Student Type: Undergraduate, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Role of acquired environmental modifications during marine invertebrate responses to global change, Faculty Advisor Name: Jose M. Eirin-Lopez, Affiliation (FIU or Other): FIU, Wendy joined my lab as a research volunteer.

Spring 2020 - Ongoing

Student Name: Juan Sanchez, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Aquatic ecology, Faculty Advisor Name: Alberto Sabat, Affiliation (FIU or Other): University of Puerto Rico, I participate as member of Ph.D. committee.

Student Name: Marbelys Garriga, Degree/Program: Ph. D. Biology, Student Type: PhD, Student Status: Current, Title of project/thesis/dissertation (for graduated advisees only): Aquatic ecology, Faculty Advisor Name: Tiffany Troxler, Affiliation (FIU or Other): FIU, I participate as member of Ph.D. committee.

Offices Held in Professional Societies

2017 - Ongoing

Association for the Sciences of Limnology and Oceanography

2015 - Ongoing

Association of Marine Laboratories of the Caribbean (AMLC)

2008 - Ongoing

Society for Molecular Biology and Evolution (SMBE)

1999 - Ongoing

Genetics Society of Spain (SEG)

Professional Development

Spring 2023 - Spring 2023

Grant Panel Reviewer National Science Foundation (IntBIO), District of Columbia, 40 hours

Grant Reviewer Deutsche Forschungsgemeinschaft (German Research Foundation), 5 hours

Stazione Zoologica Anton Dohrn, Napoli, Italy, 5 hours

Fall 2022 - Spring 2023

Journal Reviewer "Chemosphere", 4 hours

Journal Reviewer "BMC Biology", 4 hours

Fall 2022 - Fall 2022

Journal Reviewer "Nature Communications", 5 hours

Evaluator 2022 FIU-Rookery Bay Graduate Assistantship applications, Florida, 3 hours

Summer 2022 - Fall 2022

Grant Reviewer King Abdullah University of Science and Technology (KAUST, Saudi Arabia), 5 hours

Spring 2022 - Spring 2022

Grant Panel Reviewer National Science Foundation (PRSB), District of Columbia, 30 hours

Grant Panel Reviewer National Science Foundation (EDGE), District of Columbia, 30 hours

Spring 2022 - Ongoing

Associate Editor, Journal "Frontiers in Marine Biology - Coral Reefs", 5 hours

Fall 2021 - Fall 2021

Book Chapter Reviewer "Evolution: Making Sense of Life, 4e" McMillan, 5 hours

Grant Reviewer Marsden Fund (Royal Society of New Zealand), 5 hours

Summer 2021 - Summer 2021

Journal Reviewer "Global Change Biology" (x1), 5 hours

Grant Panel Reviewer National Science Foundation (EDGE), District of Columbia, 30 hours

Spring 2021 - Spring 2021

Reviewer FIU Distinguished Postdoc Program, Miami, Florida, 20 hours

Grant Panel Reviewer National Science Foundation (SII), District of Columbia, 35 hours

Fall 2020 - Fall 2022

Associate Editor, Special Issue Phenotypic Plasticity, Journal "Frontiers in Marine Science", 10 hours

Fall 2020 - Fall 2020

Tenure and Promotion Evaluation for the Okinawa Institute of Science and Technology, 10 hours

Journal Reviewer "PLOS ONE" (x1), 5 hours

Fall 2020 - Spring 2021

Grant Reviewer National Science Foundation (GRFP Program), District of Columbia, 60 hours

Summer 2020 - Spring 2021

Journal Reviewer "Global Change Biology" (x1), 5 hours

Journal Reviewer "Toxins" (x2), 5 hours

Journal Reviewer "Molecular Biology and Evolution" (x1), 5 hours

Journal Reviewer "Science Advances" (x1), 5 hours

Journal Reviewer "FASEB J" (x1), 5 hours

Journal Reviewer "Biology Letters" (x1), 5 hours

Journal Reviewer "Proceedings of the National Academy of Sciences of the USA" (x1), 5 hours

Journal Reviewer "Comparative Biochemistry and Physiology Part D" (x1), 5 hours

Grant Reviewer National Science Foundation (BIO-OCE Program) x2, District of Columbia, 20 hours

Summer 2020 - Spring 2022

Conference Session Chair, International Coral Reef Society, Bremen, Germany, 40 hours

Summer 2020 - Ongoing

Associate Editor, Executive, Journal "AnimalGene", 30 hours

Spring 2020 - Fall 2022

Organizer, EPIMAR Marine Epigenetics Conference, 60 hours

Summer 2019 - Spring 2020

Associate Editor, Executive, Journal "AgriGene", 15 hours

Associate Editor, Journal "Frontiers in Genetics", 5 hours

Journal Reviewer "Proceedings of the Royal Society B: Biological Sciences" (x1), 5 hours

Journal Reviewer "Science Advances" (x1), 5 hours

Journal Reviewer "Gene" (x1), 5 hours

Journal Reviewer "Nature Communications" (x1), 5 hours

Grant Reviewer National Science Foundation (CAREER Program), District of Columbia, 10 hours

Conference Session Chair, Association for the Sciences of Limnology and Oceanography, San Diego, CA, California, 40 hours

Conference Session Chair, International Coral Reef Society, Bremen, Germany, 40 hours

Associate Editor, Special Issue Marine Environmental Epigenetics, Journal "Frontiers in Marine Science", 60 hours

Journal Reviewer "Invertebrate Biology" (x1), 5 hours

Associate Editor, Journal "Toxins", 20 hours

Grant Reviewer National Science Foundation, District of Columbia, 10 hours

Journal Reviewer "FEBS Journal" (x1), 5 hours

Journal Reviewer "Marine Environmental Research" (x1), 5 hours

Spring 2019 - Spring 2019

Conference Session Chair, Association for the Sciences of Limnology and Oceanography, San Juan, Puerto Rico, 40 hours

Fall 2018 - Fall 2018

Journal Reviewer "Environmental Pollution"

Journal Reviewer "Aquatic Toxicology"

FIU Bystander Leadership Program, Miami, Florida

Summer 2018 - Spring 2019

Journal Reviewer "Environmental Epigenetics" (x1)

Journal Reviewer "Journal of Experimental Marine Biology and Ecology" (x1)

Journal Reviewer "Molecular Biology and Evolution" (x1)

Journal Reviewer "Proceedings of the Royal Society B: Biological Sciences" (x1)

Journal Reviewer "Oecologia" (x1)

Associate Editor, Executive, Journal "AgriGene"

Associate Editor, Journal "Frontiers in Marine Science"

Associate Editor, Journal "Toxins"

Summer 2018 - Fall 2021

Associate Editor, Special Issue Marine Environmental Epigenetics, Journal "Frontiers in Marine Science"

Spring 2018 - Spring 2018

Journal Reviewer "Nature Climate Change"

Journal Reviewer "Marine Environmental Research"

Journal Reviewer "Environmental Science and Technology"

Journal Reviewer "Biochimica et Biophysica Acta - Gene Regulatory Mechanisms"

Leadership Team: Oyster aquaculture in China, Hong Kong, China

Journal Reviewer "Oecologia"
Journal Reviewer "Peer J"
Journal Reviewer "PLoS ONE"
Journal Reviewer "BMC Genomics"
Journal Reviewer "Chromosoma"

Fall 2017 - Fall 2017

Journal Reviewer "Nature Structural and Molecular Biology"
Journal Reviewer "Nature Scientific Reports"
Journal Reviewer "Oecologia"
Journal Reviewer "Nature Communications"
Journal Reviewer "Environmental Epigenetics"
Journal Reviewer "Molecular Biology and Evolution"
Journal Reviewer "Gene"

Summer 2017 - Spring 2018

Associate Editor, Journal "Frontiers in Marine Science"

Spring 2017 - Spring 2017

Journal Reviewer "Aquatic Toxicology"
Grant Reviewer National Science Foundation, District of Columbia
Grant Reviewer National Science Foundation, District of Columbia

Spring 2017 - Fall 2017

Grant Reviewer King Abdullah University of Science and Technology (KAUST, Saudi Arabia)

Fall 2016 - Spring 2017

Grant Panel Reviewer National Science Foundation, District of Columbia
Grant Reviewer National Science Foundation, District of Columbia
Grant Reviewer National Agency of Science (Argentina)
Book Reviewer, Anthropogenic Environmental Contamination, Toxicology and Public Health. Elsevier, Florida
Grant Reviewer Texas Sea Grant, Texas

Fall 2016 - Fall 2016

Grant Reviewer Medical Research Council (UK)
Grant Reviewer Foundation for Science and Technology (Portugal)
Grant Reviewer Research Growth Initiative (RGI) University of Wisconsin-Milwaukee, Wisconsin

Summer 2016 - Summer 2016

FIU Hybrid Pilot Program , Florida

Spring 2016 - Spring 2016

Grant Reviewer Biomolecular Sciences Institute FIU

Spring 2016 - Fall 2016

Grant Reviewer French National Research Agency (France)

Fall 2015 - Ongoing

Affiliated Faculty, Institute of Water and Environment, CREST-CACHe (InWE-FIU), Florida
Affiliated Faculty, Biochemistry Ph.D. Program, Florida

Fall 2015 - Spring 2017

Conference Organizing Committee, Asilomar Chromatin and Chromosomes Conference, California

Fall 2015 - Spring 2016

Grant Reviewer National Science Foundation, District of Columbia

Fall 2015 - Spring 2018

Associate Editor, Executive, Journal "AgriGene"

Spring 2015 - Spring 2015

Participant, National Science Foundation Grant Conference, Florida

AAUS Scientific Diving Certification, Florida

Grant Reviewer National Science Center (Poland)

Grant Reviewer European Research Council, Marie Curie Actions

Book Reviewer, Chordate Origins and Evolution: The Molecular Evolutionary Road to Vertebrates (Noriyuki Satoh). Elsevier/Academic Press, Florida

Spring 2015 - Ongoing

Member Association Marine Laboratories of the Caribbean (AMLC)

Associate Editor, Journal "Environmental epigenetics"

Spring 2015 - Fall 2015

Grant Reviewer Austrian Science Fund (Austria)

Fall 2014 - Ongoing

Affiliated Faculty, Biomolecular Sciences Institute (BSI-FIU) , Florida

Affiliated Faculty, Southeast Environmental Research Center (SERC-FIU), Florida

Fall 2014 - Spring 2015

Grant Reviewer Spanish National Research Agency (Spain)

Fall 2014 - Spring 2018

Associate Editor, Journal "Toxins"

Summer 2014 - Summer 2014

Participant, NOAA Harmful Algal Bloom Forecast Stakeholder Meeting , Florida

Spring 2014 - Spring 2014

Book Reviewer, Biological Science 6 ed., Freeman S., Pearson-Prentice Hall., Florida

Fall 2013 - Ongoing

Dissertation Advisor Status, Florida

Graduate Faculty, Florida

Affiliated Faculty, Latin American and Caribbean Center (LACC-FIU) , Florida

Affiliated Faculty, Marine Sciences Program, Florida

Fall 2013 - Fall 2013

Participant, Hispanic Heritage Foundation STEM-LOFT Leadership Symposium , Florida

Spring 2013 - Ongoing

Member Marie Curie Student Association, European Research Council

Fall 2012 - Spring 2019

Associate Editor, Journal "Frontiers in Genetics"

Fall 2012 - Fall 2013

Associate Editor, Journal "ISRN Evolutionary Biology"

Fall 2011 - Summer 2012

Conference Session Chair, Society for Molecular Biology and Evolution, Dublin, Ireland

Spring 2011 - Spring 2011

Conference Organizing Committee, 3rd Meeting of the Galician Bioinformatics Network, Vigo, Spain

Fall 2010 - Fall 2014

Associate Editor, Guest, Journal "International Journal of Evolutionary Biology"

Fall 2009 - Ongoing

Member Spanish Society of Evolutionary Biology

Fall 2008 - Summer 2009

Conference Session Chair Society for Molecular Biology and Evolution, Iowa, US

Conference Session Chair, Society for the Study of Evolution, Portland, US., Oregon

Spring 2008 - Fall 2008

Conference Session Chair, 13th Evolutionary Meeting at Marseilles, Marseilles, France

Fall 2005 - Spring 2017

Journal Reviewer "Bioessays"

Journal Reviewer "BMC Evolutionary Biology"

Journal Reviewer "BMC Genomics"

Journal Reviewer "BMC Molecular Biology"

Journal Reviewer "Briefings in Functional Genomics"

Journal Reviewer "Current Genomics"

Journal Reviewer "Chromosome Research"

Journal Reviewer "Current Pharmaceutical Analyses"

Journal Reviewer "Database"

Journal Reviewer "Environment International"

Journal Reviewer "FASEB Journal"

Journal Reviewer "Frontiers in Ecology and Evolution"

Journal Reviewer "Frontiers in Genetics"

Journal Reviewer "Frontiers in Marine Science"

Journal Reviewer "Gene"

Journal Reviewer "Genetica"

Journal Reviewer "Genome"

Journal Reviewer "International Journal of Primatology"

Journal Reviewer "Journal of Molecular Evolution"

Journal Reviewer "Journal of Toxicology and Environmental Health"

Journal Reviewer "Mammalian Genome"

Journal Reviewer "Marine Drugs"

Journal Reviewer "Mobile DNA"

Journal Reviewer "Molecular Biology and Evolution"

Journal Reviewer "Molecular Biology Reports"

Journal Reviewer "PLOS ONE"

Journal Reviewer "RNA"

Journal Reviewer "Toxins"

Journal Reviewer "Traffic"

Journal Reviewer "AgriGene"

Journal Reviewer "Chemosphere"

Journal Reviewer "Epigenomics"
Journal Reviewer "Chromosoma"
Journal Reviewer "Frontiers in Plant Science"
Journal Reviewer "Journal of Proteomics"
Journal Reviewer "Peer J"

Engagement Activities

Spring 2022 - Spring 2022

Media Interview, Ph.D. candidate helps guide research to support future coral conservation, Miami, Florida, 1 days, Florida International University, <https://news.fiu.edu/2021/ph.d.-candidate-helps-guide-research-to-support-future-coral-conservation>, Report accompanying recent paper on Trends in Ecology and Evolution about coral memory and restoration, Dissemination research and public information

Media Interview, Could a little tough love help corals adapt to climate change?, Miami, Florida, 1 days, Florida International University, <https://news.fiu.edu/2021/could-a-little-tough-love-help-corals-adapt-to-climate-change>, Report accompanying recent paper on Trends in Ecology and Evolution about coral memory and restoration, Dissemination research and public information

Media Interview, Media Interview: Coral Memory, Miami, Florida, 4 days, The Scientist Magazine, <https://www.the-scientist.com/ts-digest/issue/coral-memory-2-2>, Report accompanying recent paper on Trends in Ecology and Evolution about coral memory and restoration, Dissemination research and public information

Fall 2021 - Fall 2021

Media Interview, Study: Bimini dredging leaves its mark on sharks' DNA, Miami, Florida, 4 days, Florida International University, <https://news.fiu.edu/2021/bimini-dredge-leaves-its-mark-on-sharks-dna>, Report accompanying recent paper on Ecological Indicators about shark biology and restoration, Dissemination research and public information

Media Interview, \$1.43 Million in NOAA Funding Recommended for Ruth Gates Coral Restoration Innovation Grants Projects, Miami, Florida, 1 days, NOAA, <https://www.fisheries.noaa.gov/feature-story/143-million-noaa-funding-recommended-ruth-gates-coral-restoration-innovation-grants>, Report accompanying recent award of NOAA grant, Dissemination research and public information

Media Interview, FIU is among three universities receiving NSF funds to study climate change in the tropics, Miami, Florida, 1 days, Florida International University, <https://news.fiu.edu/2021/fiu-is-among-three-universities-receiving-nsf-funds-to-study-climate-change-in-the-tropics>, Report accompanying recent award of NSF grant, Dissemination research and public information

Spring 2021 - Spring 2021

Guest Lecturers/Presenters, Invited Seminar, Cambridge, Maryland, United States, 1 day, University of Maryland Center for Environmental Science, Invited seminar on environmental epigenetics, discussion about collaborations

Media Interview, Media Interview: CRESTropical, Miami, Florida, USA, 1 day, FIU, https://news.fiu.edu/2021/fiu-is-among-three-universities-receiving-nsf-funds-to-study-climate-change-in-the-tropics?utm_source=tag&utm_medium=feed&utm_campaign=newsroom-referrals&utm_term=CREST%20Center%20for%20Aquatic%20Chemistry%20and%20the%20Environment, Dissemination research and public information

Guest Lecturers/Presenters, Invited Seminar, Los Angeles, California, United States, 1 day, University of Southern California, Invited seminar on environmental epigenetics, discussion about collaborations

Fall 2020 - Fall 2020

Guest Lecturers/Presenters, Invited Guest, Coral Reading Group, The University of Miami, Miami, Florida, 1 day, University of Miami, Discussion participation, Dissemination research and engagement stakeholders

Summer 2020 - Summer 2020

Media Interview, Media Interview: The Future of Coral, Miami, Florida, USA, Japan, 1 day, Okinawa Institute of Science and Technology Foundation, <https://scienmag.com/online-press-briefing-the-future-of-coral/> <https://casenews.fiu.edu/2020/05/28/reu-success-story-ivanna-ortiz-rivera/>, Dissemination research and public information

Guest Lecturers/Presenters, Invited Lecture, The future of Coral, Okinawa, Florida, Japan, 1 day, Okinawa Institute of Science and Technology Foundation, Outreach lecture, Dissemination research and engagement

stakeholders

Fall 2019 - Fall 2019

Media Interview, Media Interview: Aging of Bottlenose dolphins, Miami, Florida, 1 day, FIU NEWS Report, Development of a new method to age Bottlenose dolphins.

<https://news.fiu.edu/2019/determining-the-age-of-dolphins>

<https://m.phys.org/news/2019-08-epigenetics-age-dolphins.html?fbclid=IwAR03uOoF0I5thyijrwWiFQ6QniIW45YZV2-WP4LrwnYIKayZAnihKHBiZVY>, Dissemination research and public information

Dissemination research and public information

Summer 2019 - Summer 2019

Media Interview, Media Interview: Corals and climate change, Miami, Florida, 1 day, FIU NEWS Report, Press release about new \$3M NSF project funded.

<https://news.fiu.edu/2019/studying-how-corals-fight-climate-change-at-the-molecular-level>, Dissemination research and public information

Dissemination research and public information

Spring 2019 - Spring 2019

Media Interview, Media Interview: Threats to Biscayne Bay Marine ecosystems, Miami, Florida, 1 day, FIU NEWS Report, Press release about new published study.

<https://casenews.fiu.edu/2019/06/12/oysters-may-offer-insight-into-environmental-threats/>, Dissemination research and public information

Dissemination research and public information

Fall 2018 - Fall 2018

Media Interview, "Florida Red Tide Informative Panel" 10/09/2018, information on Harmful Algal Bloom episodes in South Florida, Miami, Florida, 1 day, FIU, <https://news.fiu.edu/2018/10/panel-explores-effects-of-red-tide-on-florida/126937>, Dissemination research and public information

Community Partnership Projects/Initiatives, Research Visit Rookery Bay National Research Estuarine Reserve, Rookery Bay, Florida, 1 day, FIU, Rookery Bay National Research Estuarine Reserve, Member FIU Team to establish research collaborations., Dissemination research and engagement stakeholders

Media Interview, Media Interview: Harmful Algal Blooms in South Florida, Brandenton, Florida, 1 day, Brandenton Herald, information on Harmful Algal Bloom episodes in the Florida West Coast.

<https://www.brandenton.com/news/local/article216797315.html>, Dissemination research and public information

Dissemination research and public information

Spring 2018 - Spring 2018

Guest Lecturers/Presenters, Invited Lecture, The Epigenetics Revolution, Pembroke Pines, Florida, 1 day, Broward College Seminar Series, Earth Day Celebrations, Outreach lecture, Dissemination research and engagement students and citizens

Fall 2017 - Fall 2017

Guest Lecturers/Presenters, Invited Lecture, Coral responses to global change: an epigenetic perspective, Hollywood, Florida, 1 day, Coral Reef Conservation Program Learning Exchange, Florida Department of Environmental Protection, Outreach lecture, Dissemination research and engagement stakeholders

Dissemination research and engagement stakeholders

Summer 2017 - Summer 2017

Media Interview, Media Interview: Harmful Algal Blooms in South Florida, Miami, Florida, 1 day, Vice News, Interview, Dissemination research and public information

Dissemination research and public information

Fall 2016 - Fall 2016

Guest Lecturers/Presenters, Invited Lecture, The Epigenetics revolution reaches the ocean, Naples, Florida, 1 day, Rookery Bay National Estuarine Research Reserve, Outreach lecture, Dissemination research and engagement stakeholders

Dissemination research and engagement stakeholders

Summer 2016 - Summer 2016

Community Partnership Projects/Initiatives, Panel evaluator, FIU-MAST Academy, North Miami, Florida, 1 day, Panel evaluator during presentation of results obtained by Student Environmental Advisory Corps, Panel Judge and moderator, Student outreach and engagement

Media Interview, Media Interview: Harmful Algal Blooms in South Florida, Miami, Florida, 1 day, Radio Caracol, information on Harmful Algal Bloom episodes caused by cyanobacteria in the Florida West Coast.

http://www.caracol1260.com/escucha/archivo_de_audio/el-agua-del-lago-okeechobee-alimenta-la-proliferacion-de-algas-toxicas-oir/20160607/oir/3181214.aspx, Dissemination research and public information

Dissemination research and public information

Media Interview, Media Interview: 5 things to know about toxic algae, Miami, Florida, 1 day, FIU NEWS Report, information on Harmful Algal Bloom episodes caused by cyanobacteria in the Florida West Coast. <https://news.fiu.edu/2016/07/fiu-experts-on-toxic-algae/102050> <https://news.fiu.edu/2016/07/5-things-to-know-about-blue-green-algae/101991>, Dissemination research and public information

Media Interview, Media Interview: FIU experts explain toxic algae, Miami, Florida, 1 day, FIU The Beacon Newspaper, Interview vol. 28 issue 6, 08/22/2016., Dissemination research and public information

Media Interview, Media Interview: FIU experts discuss health issues caused by toxic algae, Miami, Florida, 1 day, FIU Student Media Report, information on Harmful Algal Bloom episodes caused by cyanobacteria in the Florida West Coast. <http://panthernow.com/2016/08/24/fiu-experts-discuss-health-issues-caused-by-toxic-algae/>, Dissemination research and public information

Spring 2016 - Spring 2016

Media Interview, Media Interview: Harmful Algal Blooms in South Florida, Miami, Florida, 1 day, NOTICIAS WUFT, student run and produced radio show in Spanish that airs every Saturday through NPR-affiliate station 89.1WUFT-F.M. Gainesville, FL., Dissemination research and public information

Guest Lecturers/Presenters, Invited Lecture, The Epigenetics revolution reaches the ocean, Key Largo, Florida, 1 day, Ocean Life Seminar Series, Outreach lecture, Dissemination research and engagement stakeholders

Fall 2015 - Fall 2015

Community Partnership Projects/Initiatives, Assistance to Upward Bound students to gather short nature films (90 seconds) for the museum's app in which visitors can learn about specific types of marine life we do not have on display., Miami, Florida, 1 day, Patricia & Phillip Frost Museum of Science in Miami, Media materials and support, Dissemination research and engagement public

Guest Lecturers/Presenters, Invited Lecture, Challenges for Latinos in the 21st Century, Miami, Florida, 1 day, Hispanic Heritage Foundation Leadership Symposium, Outreach lecture, Dissemination research and engagement stakeholders

Summer 2014 - Summer 2014

Community Partnership Projects/Initiatives, Invited Guest, NOAA Harmful Algal Bloom Forecast Stakeholder Meeting, Islamorada, Florida, 1 day, National Oceanic and Atmospheric Administration, Discussion participation, Dissemination research and engagement stakeholders

Courses Taught

Fall 2023

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2023	BSC	6913	B53	Student Research Lab	0.00	0.00		
Fall 2023	BSC	7980	B51	Ph.D. Dissertation	0.00	0.00		
Fall 2023	PCB	4674	B51	Evolution	4.32	.55	58	32
					4.32	0.55	58	32

Summer 2023

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Summer 2023	BSC	6913	B53C	Student Research Lab	0.00	0.00		
Summer 2023	BSC	7980	B51C	Ph.D. Dissertation	0.00	0.00		
					0	0	0	0

Spring 2023

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Spring 2023	BSC	3941	B61	Biological Science Intern	0.00	0.00		
Spring 2023	BSC	6913	B57	Student Research Lab	0.00	0.00		
Spring 2023	BSC	7980	B57	Ph.D. Dissertation	0.00	0.00		
					0	0	0	0

Fall 2022

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2022	BSC	6913	B54	Student Research Lab	0.00	0.00		
Fall 2022	BSC	7980	B53	Ph.D. Dissertation	0.00	0.00		
Fall 2022	PCB	4674	B51	Evolution	4.71	.56	79	44
					4.71	0.56	79	44

Summer 2022

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Summer 2022	BSC	6913	B53C	Student Research Lab	0.00	0.00		
Summer 2022	BSC	7980	B54C	Ph.D. Dissertation	0.00	0.00		
Summer 2022	PCB	4674	U01A	Evolution	4.73	.43	97	42
					4.73	0.43	97	42

Spring 2022

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Spring 2022	BSC	5935 *		Topics In Biology	0.00	0.00		
Spring 2022	BSC	6913	B54	Student Research Lab	0.00	0.00		
Spring 2022	BSC	7980	B54	Ph.D. Dissertation	0.00	0.00		
Spring 2022	PCB	4561	U01	Epigenetics	4.27	.64	55	35
					4.27	0.64	55	35

Fall 2021

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2021	BSC	6913	B54	Student Research Lab	0.00	0.00		
Fall 2021	BSC	7980	B53	Ph.D. Dissertation	0.00	0.00		

Fall 2021	PCB	4674	UHAC	Evolution	4.64	.60	108	65
					4.64	0.6	108	65

Summer 2021

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Summer 2021	BSC	6913	B53C	Student Research Lab	0.00	0.00		
Summer 2021	BSC	7980	B54C	Ph.D. Dissertation	0.00	0.00		
Summer 2021	PCB	4674	UHAA	Evolution	4.88	.59	79	47
					4.88	0.59	79	47

Spring 2021

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Spring 2021	BSC	5935	U01	Topics In Biology	0.00	0.00		
Spring 2021	BSC	6913	B54	Student Research Lab	0.00	0.00		
Spring 2021	BSC	7980	B54	Ph.D. Dissertation	0.00	0.00		
Spring 2021	PCB	4561	U01	Epigenetics	4.71	.81	57	46
					4.71	0.81	57	46

Fall 2020

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2020	BSC	6913	B54	Student Research Lab	0.00	0.00		
Fall 2020	BSC	7980	B53	Ph.D. Dissertation	0.00	0.00		
Fall 2020	PCB	4674	B51	Evolution	4.77	.90	114	103
					4.77	0.9	114	103

Summer 2020

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Summer 2020	BSC	6913	B53C	Student Research Lab	0.00	0.00		
Summer 2020	BSC	7980	B54C	Ph.D. Dissertation	0.00	0.00		
Summer 2020	PCB	4674	UHAA	Evolution	4.78	.58	160	93
					4.78	0.58	160	93

Spring 2020

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Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Spring 2020	BSC	3915	B55	Student Research Lab	0.00	0.00		
Spring 2020	BSC	5935	U01	Topics In Biology	4.69	.75	4	3
Spring 2020	BSC	6913	B54	Student Research Lab	0.00	0.00		
Spring 2020	BSC	7980	B54	Ph.D. Dissertation	0.00	0.00		
Spring 2020	PCB	4561	U01	Epigenetics	4.33	.79	42	33
					9.02	1.54	46	36

Fall 2019

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2019	BSC	3941	B55	Biological Science Intern	0.00	0.00		
Fall 2019	BSC	6913	B54	Student Research Lab	0.00	0.00		
Fall 2019	BSC	7980	B53	Ph.D. Dissertation	0.00	0.00		
Fall 2019	PCB	4674	BHA	Evolution	4.68	.75	61	46
					4.68	0.75	61	46

Summer 2019

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Summer 2019	BSC	3941	B55C	Biological Science Intern	0.00	0.00		
Summer 2019	BSC	6913	B53C	Student Research Lab	0.00	0.00		
Summer 2019	BSC	7980	B54C	Ph.D. Dissertation	0.00	0.00		
Summer 2019	PCB	4674	UHAA	Evolution	4.65	.71	177	125
					4.65	0.71	177	125

Spring 2019

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Spring 2019	BSC	3915	B55	Student Research Lab	0.00	0.00		
Spring 2019	BSC	3941	B55	Biological Science Intern	0.00	0.00		
Spring 2019	BSC	5935	B51	Topics In Biology	0.00	0.00		
Spring 2019	BSC	5935	U01	Topics In Biology	0.00	0.00		

Spring 2019	BSC	6913	B54	Student Research Lab	0.00	0.00		
Spring 2019	BSC	7980	B54	Ph.D. Dissertation	0.00	0.00		
Spring 2019	PCB	4561	B51	Epigenetics	4.72	.63	24	15
Spring 2019	PCB	4561	U01	Epigenetics	4.70	.82	44	36
					9.42	1.45	68	51

Fall 2018

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2018	BSC	3915	B55	Student Research Lab	0.00	0.00		
Fall 2018	BSC	3941	B55	Biological Science Intern	0.00	0.00		
Fall 2018	BSC	6913	B54	Student Research Lab	0.00	0.00		
Fall 2018	PCB	3063	U06	Genetics	3.88	.86	211	181
Fall 2018	PCB	4674	BHA	Evolution	4.75	.77	102	79
					8.63	1.63	313	260

Summer 2018

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Summer 2018	BSC	3915	B55C	Student Research Lab	0.00	0.00		
Summer 2018	BSC	3941	B55C	Biological Science Intern	0.00	0.00		
Summer 2018	BSC	6913	B54C	Student Research Lab	0.00	0.00		
Summer 2018	PCB	4674	UHAA	Evolution	4.74	.69	241	167
					4.74	0.69	241	167

Spring 2018

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Spring 2018	BSC	3915	B55	Student Research Lab				
Spring 2018	BSC	5935	U01	Topics In Biology				
Spring 2018	BSC	6913	B54	Student Research Lab				
Spring 2018	PCB	4133	B51	Topics in Struct Development				
Spring 2018	PCB	4133	U02	Topics in Struct Development				
					0	0	0	0

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Spring 2014	BSC	6913	B58	Student Research Lab				
Spring 2014	PCB	4674	B51	Evolution				

Fall 2013

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2013	BSC	6913	B58	Student Research Lab				