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Work Experience

Full Time Academic

Assistant Professor, Biological Sciences, Florida International University, Miami, FL,
August 2013, July 2019

Assistant Professor, Cellular and Molecular Biology, University of A Coruna, A Coruna,
Spain, January 2009, August 2013

Adjunct Professor, Molecular Biology, University of Leon, Leon, Spain, January 2009, June
2009

ERC Marie Curie Postdoctoral Research Associate, Biochemistry and Microbiology,
University of Victoria, Victoria, Canada, BC, January 2006, June 2008

Postdoctoral Research Associate, Biochemistry and Microbiology, University of Victoria,
Victoria, Canada, BC, September 2005, December 2005

Visiting Scholar, Developmental Biology, Center of Biological Investigation, Spanish
Research Council, Madrid, Spain, December 2004, March 2005

Graduate student, Cellular and Molecular Biology, University of A Coruna, A Coruna, Spain,
September 1999, January 2005

Visiting Scholar, Ocean Research Institute, Otsuchi Marine Research Center, University of
Tokyo, Otsuchi, Japan, January 2001, March 2001

Visiting Scholar, Developmental Biology, Center of Biological Investigation, Spanish
Research Council, Madrid, Spain, October 2000, December 2000

Associate Professor, Biological Sciences, Florida International University, Miami, FL,
August 2019, Ongoing

Scholarly Publications and Creative Activities

Book

1. 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.
2. 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.

Articles

1. 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.
2. Rodriguez-Casariago, J. (Graduate_Student), Mercado Molina, A. E., Garcia-Souto, D., Ortiz, I., Lopes, C., Baums, I., ... Eirin-Lopez, J. M. (2020). Seasonal variation on DNA methylation patterns in the staghorn coral *Acropora cervicornis* in Culebra Island, PR. *Frontiers in Marine Science*.
3. 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.
4. 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.
5. 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.
6. 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*.
7. Rodriguez-Casariago, J. (Graduate_Student), Ladd, M., Shantz, A., Lopes, C., Cheema, M. S., Kim, B., ... Eirin-Lopez, J. M. (2018). Coral epigenetic responses to nutrient stress: impaired histone H2A.X phosphorylation and DNA methylation trends in the staghorn coral *Acropora cervicornis*. *Ecology and Evolution*, 8(23), 12193–12207.
8. 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.

9. 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.
10. Eirin-Lopez, J. M., & Putnam, H. (2019). Epigenetics of marine organisms. *Annual Review of Marine Science*, *11*, 335–368.
11. 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*.
12. 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.
13. 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.
14. 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 facilitate chromatin binding. *Scientific Reports*, *7*, 3795.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.

20. 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.
21. 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*.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.

30. 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.
31. 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.
32. 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.
33. 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.
34. 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.
35. 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.
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37. 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.
38. 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.
39. 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.
40. 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.

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42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. Eirin-Lopez, J. M., & Ausió, J. (2009). Origin and evolution of chromosomal sperm proteins. *BioEssays*, *31*, 1062–70.
48. 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.
49. 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.
50. 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.
51. 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.
52. 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.
53. 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.

54. González-Romero, R. (Graduate_Student), Ausió, J., Méndez, J., & Eirin-Lopez, J. M. (2008). Early evolution of histone genes: prevalence of an “orphan” H1 lineage in protostomes and birth-and-death process in the H2A family. *Journal of Molecular Evolution*, *66*, 505–18.
55. 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.
56. 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.
57. 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.
58. 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.
59. Frehlick, L. J., Eirin-Lopez, J. M., & Ausió, J. (2007). New insights into the nucleophosmin/nucleoplasmin family of nuclear chaperones. *BioEssays*, *29*, 49–59.
60. Eirin-Lopez, J., & Ausió, J. (2007). H2A.Z-Mediated Genome-Wide Chromatin Specialization. *Current Genomics*, *8*, 59–66.
61. 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.
62. 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.
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65. 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.
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67. 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.
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72. 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]
73. Eirin-Lopez, J. M., González-Tizón, A. M., Martinez, A., & Méndez, J. (2002). Molecular and evolutionary analysis of mussel histone genes (*Mytilus* spp.): possible evidence of an "orphon 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

1. 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.
2. 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.

3. 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). <http://doi.org/10.1159/000337119>
4. 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.
5. 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).
6. 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

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.

8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. Eirin-Lopez, J. M. (2019). Marine environmental epigenetics. In *Department of Biology, University of Rhode Island*. Kingston, RI, USA.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
 21. Eirin Lopez, J. (2018). Oyster Breeding Workshop, University of Rhode Island, RI. In *University of Rhode Island, RI*. Kingston, RI.
 22. Eirin Lopez, J. (2018). RCN-ECS The Research Coordinated Network for Evolution in Changing Seas. In *NSF*.
 23. Eirin-Lopez, J. M. (2018). Epigenetic Mechanisms and Phenotypic Responses. In *Southeast Region for the Society of Toxicology, University of Florida*. Gainesville, FL.
 24. Eirin-Lopez, J. M. (2018). Irma and Maria hurricane impacts in Puerto Rico. In *Florida Coastal Everglades LTER All Scientists Meeting*. Miami FL, USA.
 25. 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.
 26. 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.
 27. 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.
 28. 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.
 29. 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.
 30. 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.
 31. Beal, A. (Graduate_Student), & Eirin-Lopez, J. M. (2018). A new tool for the biologist's toolbox? In *FIU Biosymposium*. Miami FL, USA.
 32. 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.

33. Eirin-Lopez, J. M. (2018). Transgenerational epigenetics in oysters. In *The University of Hong Kong*. Hong Kong, China.
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.
43. 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.
44. Garcia-Souto, D., Eirin-Lopez, J. M., & Pasantes, J. J. (2016). Invasive and cryptic species in marine mussels (*Bivalvia*, *Mytilidae*): A chromosomal perspective. In *I International Symposium on Advances in Marine Mussel Research*. Vigo, Spain.
45. Garcia-Souto, D., Eirin-Lopez, J. M., & Pasantes, J. J. (2016). Cytogenetic analysis on the invasive mussel *Perna perna* and *Brachidontes* sp. In *I International ALERTTOOLS*

Workshop: Science & Educational Strategies for Early Detection of Bioinvaders. Aviles, Spain.

46. 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.
47. 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.
48. Eirin-Lopez, J. M. (2016). Epigenetic effects of Florida Red Tides on marine invertebrates. In *Asilomar Chromatin and Chromosomes Conference*. Asilomar, CA, USA.
49. 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.
50. 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.
51. 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.
52. 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.
53. 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.
54. 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.
55. 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.
56. 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.

57. 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.
58. 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.
59. 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.
60. 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.
61. Suarez-Ulloa, V. (Graduate_Student), & Eirin-Lopez, J. M. (2014). CHROMEVALOADb: a data mining approach to the study of the chromatin in bivalves. In *FIU Biosymposium*. Miami FL, USA.
62. 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.
63. 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.
64. 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.
65. 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.
66. 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.
67. 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.
68. 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.

69. Eirin-Lopez, J. M. (2009). Origin and evolution of sperm nuclear basic proteins. In *National Museum of Natural Sciences, Spanish Research Council*. Madrid, Spain.
70. 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.
71. 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.
72. 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.
73. 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.
74. 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.
75. 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.
76. 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.
77. 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.
78. 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.
79. 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.
80. 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.
81. 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.

Funded Research/Grants

Funded - In Progress

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 Jose Eirin Lopez

Interaction between genotype and acquired environmental modifications during coral responses to extreme climatic events, Funded by National Science Foundation (January 15, 2018 - January 14, 2021), awarded December 8, 2017 (\$176,081.00), Funded - In Progress, Spring 2018, PI Jose Eirin-Lopez with CoPI Iliana Baums, CoPI Alberto Sabat

REU Site: Understanding Coastal Ecosystems: From the Everglades to the Coral Reefs, Funded by National Science Foundation (April 1, 2019 - March 31, 2022) (\$360,000.00), Funded - In Progress, Spring 2019, Key Personnel Jose Eirin Lopez

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), Funded - In Progress, Fall 2017, PI Jose Eirin-Lopez with Program Coordinator Todd Crawl, PI Rita Teutonico

Post-Irma and Maria Hurricane impact collaboration FIU CREST Puerto Rico, 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 Crawl, 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

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%)

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), Funded - In Progress, Fall 2018, PI Jose Eirin-Lopez with CoPI Andria Beal

Transformation of the Course “Epigenetics”, Funded by HHMI FIU Stem Institute (May 1, 2021), awarded April 1, 2019 (\$5,000.00), Funded - In Progress, Summer 2019, PI Jose Eirin-Lopez

Travel Award, Funded by FIU Center for Coastal and Ocean Research (May 31, 2019), awarded January 1, 2019 (\$500.00), Funded - In Progress, Spring 2020, PI Jose Eirin-Lopez with CoPI Serena Hackerott

Development of an epigenetic tool to age marine mammals, Funded by FIU Tropics (April 1, 2019) (\$1,500.00), Funded - In Progress, Spring 2019, PI Jose Eirin-Lopez with CoPI Andria Beal

Analysis of epigenetic responses in sharks, Funded by FIU Parker Award (June 1, 2018), awarded April 1, 2018 (\$850.00), Funded - In Progress, Spring 2017, PI Jose Eirin-Lopez with CoPI Andria Beal

Teaching Assistantship to supervised Graduate Student, Funded by University Graduate School, FIU (August 15, 2016), awarded August 1, 2016 (\$93,840.00), Funded - In Progress, Fall 2016, PI Jose Eirin-Lopez with Other Andria Beal

Teaching Assistantship to supervised Graduate Student, Funded by University Graduate School, FIU (August 15, 2016), awarded August 1, 2016 (\$93,840.00), Funded - In Progress, Fall 2016, PI Jose Eirin-Lopez with Other Javier Rodriguez-Casario

Submitted for Review

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), Submitted for Review, Spring 2020, PI Jose Eirin-Lopez

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), Submitted for Review, Spring 2020, PI Jose Eirin-Lopez with Program Coordinator Todd Crowl, PI Rita Teutonico

Epigenetic contingencies for innate immunity and evolutionary consequences across invertebrate to protochordate lineages, Funded by National Institutes of Health (April 1, 2021 - March 31, 2024) (\$81,465.00), Submitted for Review, Summer 2020, PI Jose Eirin Lopez

Completed

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 coPI Victoria Suarez-Ulloa

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

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

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

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

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

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

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

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

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

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

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

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

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

"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

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

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

"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

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

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

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

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

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

Professional Honors, Prizes, Fellowships

2021

Competitive Sabbatical, 2020, Office of the Provost, FIU

2020

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

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

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

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

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

2019

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

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

Ignite Silver Ribbon, 2019, Florida International University

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

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

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

2018

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

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

Invited Speaker Travel Award, 2018, Gordon Research Conferences

2017

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

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

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

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

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

2016

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

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, Society of Environmental Toxicology and Chemistry (SETAC)

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

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

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

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

2015

Travel Award, 2015, Gordon Research Conferences

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

Travel Award, 2015, Gordon Research Conferences

2014

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

I3 Research Excellence Award, 2014, Government of Spain

Sigma Xi elected Member, 2014, Sigma Xi

2013

Faculty Book Authors Recognition, 2013, Florida International University

Before 2013

Travel Awards, 2012, Government of Spain

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

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

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

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

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

Visiting Scholarship, 2002, University of Tokyo

Marie Curie Outgoing International Fellowship, 2005, European Commission

Student Supervision/Mentoring

Fall 2013 - Fall 2020

Jorge Perez, Ph. D. Biology, Heather Bracken-Grissom, FIU, I participate as member of Ph.D. committee.

Spring 2019 - Fall 2019

Ingrid Piovanetti, B.S. Biology, Jose M. Eirin-Lopez, FIU, Ingrid joined my lab as a research volunteer.

Ivanna Ortiz Rivera, NSF-REU, Jose M. Eirin-Lopez, 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.

Dalexia Casares Acosta, B.S. Biology, Jose M. Eirin-Lopez, FIU, Dalexia joined my lab as a research volunteer.

Wendy Martinez, B.S. Biology, Jose M. Eirin-Lopez, FIU, Wendy joined my lab as a research volunteer.

Tia Johnson, B.S. Biology, Jose M. Eirin-Lopez, FIU, Tia joined my lab as a research volunteer.

Mayly Acanda, B.S. Biology, Jose M. Eirin-Lopez, FIU, Mayly joined my lab as a research volunteer.

Alejandra Dominguez, B.S. Biology, Jose M. Eirin-Lopez, FIU, Alejandra joined my lab as a research volunteer.

Martha Caceres, B.S. Biology, Jose M. Eirin-Lopez, FIU, Marta joined my lab as a research volunteer.

Spring 2017 - Fall 2019

Alison Monroe, Ph. D. Biology, Timothy Ravasi, King Abdullah University of Science and Technology, I participate as member of Ph.D. committee.

Fall 2013 - Summer 2019

Daniel Merselis, Ph. D. Biology, Mauricio Rodriguez-Lanetty, FIU, I participate as member of Ph.D. committee.

Spring 2019 - Summer 2019

Ivanna Ortiz Rivera, NSF-REU, Jose M. Eirin-Lopez, 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 2016 - Spring 2019

Ciro Rivera-Casas, Postdoctoral Research Associate, Jose M. Eirin-Lopez, FIU, *Ciro Rivera-Casas* is a postdoc in my laboratory focused on molecular epigenetic analyses of marine invertebrates.

Spring 2018 - Spring 2019

Juan Sanchez Gonzalez, NSF-REU, Jose M. Eirin-Lopez, 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 2013 - Fall 2018

Laura Timm, Ph. D. Biology, Heather Bracken-Grissom, FIU, I participate as member of Ph.D. committee.

Spring 2015 - Fall 2018

Gabriel Diaz, B. S. Marine Biology, Jose M. Eirin-Lopez, FIU, Characterization of histone and histone variants in elasmobranchs from south Florida.

Spring 2018 - Summer 2018

Yanelle Silva Luna, NSF-REU, Jose M. Eirin-Lopez, 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

Eliani Pena, B. S. Biology, Jose M. Eirin-Lopez, FIU, Epigenetic modifications in indicator organisms in north Biscayne Bay.

Spring 2015 - Fall 2017

Sean Campbell, B. S. Marine Biology, Jose M. Eirin-Lopez, FIU, Epigenetic modifications mediating coral responses to variations in nutrients.

Fall 2014 - Fall 2017

Javier Pino, Ph. D. Biology, Lidia Kos, FIU, I participated as a member of the Ph.D. committee.

Fall 2013 - Summer 2017

Victoria Suarez-Ulloa, Ph. D. Biology, Jose M. Eirin-Lopez, FIU, Victoria Suarez-Ulloa completed her Ph.D. under my supervision at FIU.

Abraham Smith, Ph. D. Biology, Gary Rand, FIU, I participate as member of Ph.D. committee.

Fall 2016 - Spring 2017

Michelot Michel, Honors in Biology, Jose M. Eirin-Lopez, FIU, Michelot Michel completed his honors degree under my supervision at FIU.

Fall 2014 - Spring 2017

Rodrigo Gonzalez-Romero, Postdoctoral Research Associate, Jose M. Eirin-Lopez, FIU, Rodrigo Gonzalez-Romero was a postdoc in my laboratory focused on molecular epigenetic analyses of marine invertebrates.

Summer 2015 - Fall 2016

Elizabeth Puente, B. S. Biology, Jose M. Eirin-Lopez, FIU, Bioinformatic analysis of oyster transcriptomes.

Spring 2015 - Fall 2016

Maria Carla Cañizares, B. S. Biology, Jose M. Eirin-Lopez, FIU, Characterization of epigenetic modifications in the flat tree oyster *Isognomon alatus* in northern Biscayne Bay.

Juan Ortiz, B. S. Biology, Jose M. Eirin-Lopez, FIU, Environmental epigenetic analysis of seagrass species in northern Biscayne Bay.

Spring 2016 - Summer 2016

Jayson Esdaille, B. S. Biology, Jose M. Eirin-Lopez, FIU, Characterization of epigenetic modifications in the flat tree oyster *Isognomon alatus* in northern Biscayne Bay.

Fall 2011 - Spring 2016

Wei Chen, Ph. D. Chemistry, Kathleen Rein, FIU, I participate as member of Ph.D. committee.

Veronica Prego-Faraldo, Ph. D. Biology, Jose M. Eirin-Lopez, 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.

Ana Nanton, Ph. D. Biology, Ana Insua, University of A Coruna (Spain), I participate as member of Ph.D. committee.

Angel Vizoso, Ph. D. Biology, Esperanza Cerdan, University of A Coruna (Spain), I participate as member of Ph.D. committee.

Spring 2016 - Spring 2016

Daniel Garcia-Souto, Ph. D. Biology, Jose M. Eirin-Lopez, University of Vigo (Spain), Visiting graduate student working on cytogenetic analysis of marine bivalves from south Florida.

Fall 2010 - Spring 2016

Maria Mugarella, Ph. D. Biology, Carlos Canchaya and David Posada, University of Vigo (Spain), I participate as member of Ph.D. committee.

Summer 2015 - Fall 2015

Claudia Char, B. S. Biology, Jose M. Eirin-Lopez, FIU, Characterization of epigenetic modifications in the flat tree oyster *Isognomon alatus* in northern Biscayne Bay.

Spring 2015 - Summer 2015

Parvaneh Nouri, B. S. Biology, Jose M. Eirin-Lopez, FIU, Environmental epigenetic analysis of marine invertebrates in north Biscayne Bay.

Heidy Martinez, B. S. Biology, Jose M. Eirin-Lopez, FIU, Characterization of histone and histone variants in the flat tree oyster *Isognomon alatus*.

Fall 2009 - Spring 2015

Ciro Rivera-Casas, Ph. D. Biology, Jose M. Eirin-Lopez, 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

Jennifer Gomez, B. S. Biology, Jose M. Eirin-Lopez, FIU, Gene expression patterns of mollusc histone variants in response to marine biotoxins.

Monica Szynaka, B. S. Biology, Jose M. Eirin-Lopez, FIU, Simulation of okadaic acid harmful algal blooms in blue mussels.

Summer 2014 - Fall 2014

Ashley Reid, B. S. Biology, Jose M. Eirin-Lopez, FIU, Simulation of okadaic acid harmful algal blooms in eastern oysters.

Summer 2014 - Summer 2014

Brianna Rodriguez, B. S. Biology, Jose M. Eirin-Lopez, Humboldt State University, Molecular evolution of HMG proteins.

Fall 2010 - Spring 2014

Alexia Sexto, Ph. D. Biology, Josefina Mendez, University of A Coruna (Spain), I participate as member of Ph.D. committee.

Fall 2012 - Spring 2013

Marta Grandal, B. S. Biology, Jose M. Eirin-Lopez, 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.

Marta Varela, B. S. Biology, Jose M. Eirin-Lopez, 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.

Alejandra Rey, M. S. Biology, Jose M. Eirin-Lopez, 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

Victoria Suarez-Ulloa, M. S. Bioinformatics, Jose M. Eirin-Lopez, 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

Rodrigo Gonzalez-Romero, Ph. D. Biology, Jose M. Eirin-Lopez, 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

Rodrigo Gonzalez-Romero, M. S. Biology, Jose M. Eirin-Lopez, 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

Juliet Wong, CASE Distinguished Postdoctoral Researcher, Jose M. Eirin-Lopez, FIU, Juliet joined my lab as postdoc to work on a recently funded NSF project focused on marine epigenetics

Ruth Etienne, B.S. Biology, Jose M. Eirin-Lopez, FIU, Ruth joined my lab as a research volunteer.

Aaron Rose, Presidential Fellowship, Jose M. Eirin-Lopez, FIU, Aaron joined my lab to develop his Ph.D. under my supervision at FIU.

Spring 2019 - Ongoing

Larissa Johnson, B.S. Biology, Jose M. Eirin-Lopez, FIU, Larissa joined my lab as a research volunteer.

Ivanna Ortiz Rivera, University Puerto Rico Honors School, Jose M. Eirin-Lopez, University of Puerto Rico

Alexander Antonio Marino, B.S. Biology, Jose M. Eirin-Lopez, FIU, Antonio joined my lab as a research volunteer.

Helen Wagner, Ph. D. Biology, Matthew DeGennaro, FIU, I participate as member of Ph.D. committee.

Ricardo Colon, Ph. D. Biology, Kathleen Rein, FIU, I participate as member of Ph.D. committee.

Grant Burdine, B.S. Biology, Jose M. Eirin-Lopez, FIU, Grant joined my lab as a research volunteer.

Zach Howard, B.S. Biology, Jose M. Eirin-Lopez, FIU, Zach joined my lab as a research volunteer.

Summon Haq, B.S. Biology, Jose M. Eirin-Lopez, FIU, Summon joined my lab as a research volunteer.

Christian Suarez, B.S. Biology, Jose M. Eirin-Lopez, FIU, Christian joined my lab as a research volunteer.

Fall 2017 - Ongoing

Elina Barredo, Ph. D. Biology, Matthew DeGennaro, FIU, I participate as member of Ph.D. committee.

Fredis Mappin, Ph. D. Biology, Matthew DeGennaro, FIU, I participate as member of Ph.D. committee.

Fall 2016 - Ongoing

Javier Rodriguez-Casariago, Ph. D. Biology, Jose M. Eirin-Lopez, FIU, Javier Rodriguez-Casariago joined my lab to develop his Ph.D. under my supervision at FIU.

Andria Beal, Ph. D. Biology, Jose M. Eirin-Lopez, FIU, Andria Beal joined my lab to develop her Ph.D. under my supervision at FIU.

Carlos Varela, Ph. D. Biology, Heather Bracken-Grissom, FIU, I participate as member of Ph.D. committee.

Fall 2018 - Ongoing

Serena Hackerott, Ph. D. Biology, Jose M. Eirin-Lopez, FIU, Serena Hackerott joined my lab to develop his Ph.D. under my supervision at FIU.

Fall 2015 - Ongoing

Robert Ditter, Ph. D. Biology, Heather Bracken-Grissom, FIU, I participate as member of Ph.D. committee.

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,

Fall 2019 - Ongoing

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

Spring 2019 - Spring 2021

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 - Fall 2018

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-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.

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

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.

Professional Development

Summer 2019 - Spring 2020

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

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

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

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

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

Associate Editor, Journal "Toxins", 20 hours

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

Journal Reviewer "FEBS Journal" (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 "Aquatic Toxicology"

Journal Reviewer "Environmental Pollution"

FIU Bystander Leadership Program, Miami, Florida

Summer 2018 - Spring 2019

Journal Reviewer "Environmental Epigenetics" (x1)
Associate Editor, Journal "Frontiers in Marine Science"
Journal Reviewer "Journal of Experimental Marine Biology and Ecology" (x1)
Journal Reviewer "Molecular Biology and Evolution" (x1)
Journal Reviewer "Oecologia" (x1)
Associate Editor, Executive, Journal "AgriGene"
Journal Reviewer "Proceedings of the Royal Society B: Biological Sciences" (x1)
Associate Editor, Journal "Toxins"
Associate Editor, Special Issue Marine Environmental Epigenetics, Journal "Frontiers in Marine Science"

Summer 2018 - Ongoing

Member Association for the Sciences of Limnology and Oceanography

Spring 2018 - Spring 2018

Journal Reviewer "Nature Climate Change"
Journal Reviewer "Marine Environmental Research"
Journal Reviewer "Environmental Science and Technology"
Journal Reviewer "Chromosoma"
Journal Reviewer "BMC Genomics"
Journal Reviewer "PLoS ONE"
Journal Reviewer "Biochimica et Biophysica Acta - Gene Regulatory Mechanisms"
Journal Reviewer "Peer J"
Leadership Team: Oyster aquaculture in China, Hong Kong, China
Journal Reviewer "Oecologia"

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

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

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 - Fall 2016

Grant Reviewer French National Research Agency (France)

Spring 2016 - Spring 2016

Grant Reviewer Biomolecular Sciences Institute FIU

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 2018

Associate Editor, Executive, Journal "AgriGene"

Fall 2015 - Spring 2016

Grant Reviewer National Science Foundation, District of Columbia

Spring 2015 - Spring 2015

Grant Reviewer European Research Council, Marie Curie Actions

AAUS Scientific Diving Certification, Florida

Participant, National Science Foundation Grant Conference, Florida

Grant Reviewer National Science Center (Poland)

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

Spring 2015 - Ongoing

Associate Editor, Journal "Environmental epigenetics"

Member Association Marine Laboratories of the Caribbean (AMLC)

Member Sigma Xi

Spring 2015 - Fall 2015

Grant Reviewer Austrian Science Fund (Austria)

Fall 2014 - Spring 2018

Associate Editor, Journal "Toxins"

Fall 2014 - Spring 2015

Grant Reviewer Spanish National Research Agency (Spain)

Fall 2014 - Ongoing

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

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

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, Marine Sciences Program, Florida

Affiliated Faculty, Latin American and Caribbean Center (LACC-FIU) , 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 - Fall 2013

Associate Editor, Journal "ISRN Evolutionary Biology"

Fall 2012 - Spring 2019

Associate Editor, Journal "Frontiers in Genetics"

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 the Study of Evolution, Portland, US., Oregon

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

Fall 2008 - Ongoing

Member Marie Curie Alumni Association

Member Society for Molecular Biology and Evolution (SMBE)

Spring 2008 - Fall 2008

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

Fall 2005 - Spring 2017

Journal Reviewer "BMC Evolutionary Biology"

Journal Reviewer "BMC Molecular Biology"

Journal Reviewer "Bioessays"

Journal Reviewer "BMC Genomics"

Journal Reviewer "Molecular Biology Reports"

Journal Reviewer "Briefings in Functional Genomics"

Journal Reviewer "Journal of Proteomics"

Journal Reviewer "RNA"

Journal Reviewer "Toxins"

Journal Reviewer "Traffic"
Journal Reviewer "Molecular Biology and Evolution"
Journal Reviewer "Mobile DNA"
Journal Reviewer "Marine Drugs"
Journal Reviewer "Mammalian Genome"
Journal Reviewer "Journal of Toxicology and Environmental Health"
Journal Reviewer "AgriGene"
Journal Reviewer "Chemosphere"
Journal Reviewer "Epigenomics"
Journal Reviewer "Chromosoma"
Journal Reviewer "Frontiers in Plant Science"
Journal Reviewer "Journal of Molecular Evolution"
Journal Reviewer "Current Genomics"
Journal Reviewer "International Journal of Primatology"
Journal Reviewer "Genome"
Journal Reviewer "Genetica"
Journal Reviewer "Peer J"
Journal Reviewer "Gene"
Journal Reviewer "Frontiers in Marine Science"
Journal Reviewer "Frontiers in Genetics"
Journal Reviewer "Frontiers in Ecology and Evolution"
Journal Reviewer "FASEB Journal"
Journal Reviewer "Environment International"
Journal Reviewer "PLoS ONE"
Journal Reviewer "Current Pharmaceutical Analyses"
Journal Reviewer "Chromosome Research"
Journal Reviewer "Database"

Fall 1999 - Ongoing

Member Spanish Society of Genetics

Engagement Activities

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=IwAR03uOoFol5thyijrWwIFQ6QniIW45YZV2-WP4LrwnYIKayZAnihKHBiZVY>, 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

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

Fall 2018 - Fall 2018

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, "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

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

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

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

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

Summer 2016 - Summer 2016

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

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: 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

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

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

Spring 2016 - Spring 2016

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

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

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

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	0.00	0.00		
					0	0	0	0

Spring 2020

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		

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
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

Fall 2017

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2017	BSC	6913	B54	Student Research Lab	0.00	0.00		
Fall 2017	PCB	4674	BHA	Evolution	4.67	.83	120	100
					4.67	0.83	120	100

Summer 2017

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Summer 2017	BSC	6913	B54C	Student Research Lab	0.00	0.00		
Summer 2017	BSC	7980	B54C	Ph.D. Dissertation	0.00	0.00		
Summer 2017	PCB	4674	UHAA	Evolution	4.80	.45	250	113
					4.8	0.45	250	113

Spring 2017

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Spring 2017	BSC	5935	B51	Topics In Biology	0.00	0.00		
Spring 2017	BSC	5935	U01	Topics In Biology	0.00	0.00		
Spring 2017	BSC	6913	B54	Student Research Lab	0.00	0.00		
Spring 2017	BSC	7980	B54	Ph.D. Dissertation	0.00	0.00		
Spring 2017	PCB	4133	B51	Topics in Struct Development	0.00	0.00		
Spring 2017	PCB	4133	U02	Topics in Struct Development	0.00	0.00		
					0	0	0	0

Fall 2016

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2016	BSC	4915L	B55	Honors Research				
Fall 2016	BSC	6913	B54	Student Research Lab				
Fall 2016	BSC	7980	B54	Ph.D. Dissertation				
Fall 2016	PCB	3063	U02	Genetics				
Fall 2016	PCB	4674	BHA	Evolution				

Summer 2016

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Summer 2016	BSC	7980	B53C	Ph.D. Dissertation				
Summer 2016	PCB	4674	U01A	Evolution				

Spring 2016

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Spring 2016	BSC	5935	U03	Topics In Biology				
Spring 2016	BSC	7980	B54	Ph.D. Dissertation				

Fall 2015

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2015	BSC	7980	B54	Ph.D. Dissertation				
Fall 2015	PCB	4674	B51	Evolution				

Summer 2015

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Summer 2015	BSC	6913	B54C	Student Research Lab				

Spring 2015

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Spring 2015	BSC	5935	B51	Topics In Biology				
Spring 2015	BSC	6913	B58	Student Research Lab				

Fall 2014

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Fall 2014	BSC	6913	B54	Student Research Lab				
Fall 2014	PCB	4674	B51	Evolution				

Summer 2014

Semester	Course Prefix	Course Number	Section	Course Title	Overall Point Average	Response Rate	Total Population	Total Response
Summer 2014	BSC	6913	B54C	Student Research Lab				

Spring 2014

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				

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 - Ongoing

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 - Ongoing

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]