

**ESTEFANÍA RODRÍGUEZ**

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**EDUCATION**

- 2006- 2007.- Visiting Scholar at Ohio State University. August 2006- April 2007.
- 2002- 2007.- Ph.D. (**European doctorate**) Deposited: June 2006, Received, April 2007. Dissertation entitled: "Taxonomía, biogeografía y algunos aspectos reproductivos de actiniarios y coralimorfarios (Cnidaria: Anthozoa) del mar de Weddell y península antártica". Advisors: Dr. JM Gili, Instituto de Ciencias del Mar (CMIMA, CSIC), Barcelona (Spain); Dr. PJ López- González, Universidad de Sevilla (Spain).
- 2000- 2002.- M.S. Fisiología y Biología Animal, Dpto. Fisiología y Biología Animal, Universidad de Sevilla (Spain).
- 1994- 1999.- B.S. Biology, Universidad de Sevilla (Spain).

**PROFESIONAL POSITIONS, APPOINTMENTS AND AFFILIATIONS**

- 2023-present.- Adjunct faculty, Department of Biological Sciences University of Alabama (AL). February 2023.
- 2021-present.- Adjunct Professor, City College of New York (CUNY). September 2021.
- 2019 to present.- Curator of Marine Invertebrates, American Museum of Natural History (AMNH). May 2019.
- 2015-2019.- Associate Curator of Marine Invertebrates, American Museum of Natural History (AMNH). March 2015.
- 2009-present.- Professor, Richard Gilder Graduate School (RGGS) at the American Museum of Natural History (AMNH).
- 2009-2015.- Assistant Curator of Marine Invertebrates, American Museum of Natural History (AMNH). July 2009.
- 2007- 2009.- Postdoctoral Fellow at Ohio State University. April 2007- June 2009.

**FELLOWSHIPS, GRANTS, AWARDS & DONATIONS**

- 2020.- NSF 2001256, Digitization TCN: Collaborative Research: Documenting Marine Biodiversity through Digitization of Invertebrate Collections (Digin). Total budget of \$5,400,000; co-PI (\$180,246).
- 2020.- NSF 1934274, "PurSUiT: Finding Nemo's home: systematics and species delimitation of the clownfish-hosting sea anemones. Total budget of \$738,962; co-Pi.
- 2017.- Constantine S. Niarchos Expeditions: Exploring the Sea Anemones of Colombia: Extending our Knowledge of Tropical Fauna from The Eastern Pacific Ocean and The Southwestern Caribbean

- Sea. Total budget \$42,000. PI
- 2016.- Anonymous private donation supporting E Rodríguez marine research program (\$50,000).
- 2016.- IMLS grant MA-30-16-0439. "Rehousing, Conservation, and Digitization of the AMNH Dry Coral Collection grant collection". PI, C. Johnson (AMNH), CoPi, E Rodríguez. \$150,000; AMNH cost share: \$151,598.
- 2015.- NSF 1457581, "RUI: Collaborative Research: Phylogenomics of Anthozoa (Cnidaria): new approaches to long-standing problems. Total budget of \$702,295; co-Pi (\$207,814).
- 2015.- NSF 1456196, "ARTS: Integrative Research and Training in Tropical Taxonomy. Total budget of \$605,761; co-PI (\$73,906).
- 2015.- Anonymous private donation supporting E. Rodríguez marine research program (\$50,000).
- 2012.- NSF 1238406, "Training High School Students in Evolutionary Biology along-side REU Interns". (NSF 11-1, DBI-Human Resources grant).
- 2011.- NSF 1110754, Dissection of A "Model" Organism: Understanding the Morphological and Genetic Diversity of a Symbiotic Sea Anemone (Dissertation Research). Total budget \$14,000.
- 2010.- Constantine S. Niarchos Expeditions: Sea Anemones (Cnidaria, Actiniaria) From the End of the World: First Step, A Taxonomic and Biogeographic Revision. Total budget \$35,000.
- 2008.- PhD. Thesis award: "Premio Extraordinario de Doctorado de la Universidad de Sevilla curso 2006/2007". Dec 2008.
- 2008.- Lerner-Gray Fund for Marine Research Award. American Museum of Natural History, New York (USA). May 2008.
- 2007- 2009.- Postdoctoral Fellowship at Ohio State University, funded by the Project "Cnidarian Tree of Life" (NFS 0531763 to M. Daly). April 2007- June 2009.
- 2006- 2007.- Scholarship at Ohio State University, as visiting scholar, funded by the Project "Cnidarian Tree of Life" (NFS 0531763 to M. Daly). August 2006- March 2007.
- 2003.- Scholarship for the Zoological Museum, University of Copenhagen, (ZMUC), within the Project COBICE (Copenhagen Biosystematics Center) supported by the European Community Program "Improving Human Potential" (IHP) action of "Transnational Access to Major Research Infrastructures". January 2003.
- 2002.- Scholarship for the Swedish Museum of Natural History (SMNH) within the Project HIGH LAT (HPRI-CT-2001-00125) supported by the European Community Program "Improving Human Potential" (IHP) action of "Transnational Access to major Research Infrastructures". November- December 2002.
- 2002- 2005.- PhD Fellowship: MCT-CSIC (I3P-BPD2001-1). Jan 2002- Dec 2005.

## RESEARCH EXPERIENCE

**Fieldwork:** Participated in collection, preservation, and accession of tissue and specimens of benthic Cnidaria in three Antarctic and one tropical research cruises (specified below) using different trawls and collecting gear; organized and participated in Scuba diving expeditions to collect marine invertebrates (South Africa, Patagonia, Panama, Colombia, Marshall Islands).

**Collections:** Assisted in transfer of specimens from the Dept. Fisiología y Zoología, University of Sevilla (Spain) collections to several European (SMNH, ZMH, ZMUC, NHM, etc.) and US (USMN, KUNHM, FMNH, AMNH) museums. Sorted and studied natural history collections at different international museums (e.g. SMNH, ZMUC, USNM, NIWA, INVEMAR). Curated and managed the collection of marine invertebrates as Assistant Curator at the AMNH since 2009 (Full Curator since 2019).

## LANGUAGES

**Spanish:** mother tongue; **English:** expert; **German:** intermediate.

## PUBLICATIONS

**Peer-review articles** (undergraduate students underlined)

*Submitted and/or accepted*

- Command, R.J., Neves, B.M., Nozères, C., Hayes, V.W., Dinn, C., de Mendonça, S.N., Boulard, M., Lawton, P., **Rodríguez, E.**, and Janes, J. In situ Image Guide to the Fauna of the Laurentian Channel Marine Protected Area. Can. Tech. Rep. Fish. Aquat. Sci. nnn: v + 181 p. Submitted (Feb 2024).

- De Jode A, Quattrini A, Chiodo T, Daly M, McFadden CS, Berumen M, Meyer C, Mills S, Beldade R, Bartholomew A, Scott A, Reimer J, Yanagi K, Fuji T, **Rodríguez E**, Titus BM (2024) Phylogenomics reveals coincident divergence between giant host sea anemones and the clownfish adaptive radiation. bioRxiv 2024.01.24.576469; doi: <https://doi.org/10.1101/2024.01.24.576469> (submitted, Jan 2024)

- Wilkinson A., Berniker L., Johnson C., **Rodríguez E** (2023). Uncovering Hidden Data in the AMNH Marine Invertebrate Collections. bioRxiv 2023.12.14.571719; doi: <https://doi.org/10.1101/2023.12.14.571719>

- **Rodríguez E**, Titus B, Laretta D. Case XXXX: *Priapus giganteus* Forsskål, 1775 (currently *Stichodactyla gigantea*) (Cnidaria, Actiniaria): proposed conservation of prevailing usage of the specific name by the designation of a non-topotypic neotype for *Priapus giganteus*. Bull. Zool. Nomencl. (Submitted, May 2023).

- **Rodríguez E**, Gusmão LC. Case 3805: *Calliactis* Verrill, 1869 (Cnidaria, Anthozoa, Hexacorallia, Actiniaria): proposed precedence over *Adamsia* Forbes, 1840. Bull. Zool. Nomencl. (Accepted, Sept 2019).

*Published*

1. Titus BM, Bennett-Smith MF, Chiodo T, **Rodríguez E (2024, in press)** The clownfish-hosting sea anemones (Anthozoa: Actiniaria): updated nomenclature, biogeography, and practical field guide. Zootaxa.
2. Barragán Y\*, **Rodríguez E\***, Chiodo T, Gusmão LC, Laretta D. (2024, in press) Revision of the genus *Actinostella* (Cnidaria: Actiniaria: Actinioidea) from tropical and subtropical western Atlantic and eastern Pacific: redescriptions and synonymies. Novitates. \*authors contributed equally
3. Macpherson, D., Tracey, D., Bilewitch, J., Opresko, D., Bo, M., Kitahara, M.V., Cairns, S., Sinniger, F., Kessel, G., Alderslade, P., **Rodríguez, E.**, Neill, K., Miranda, L.S., Schuchert, P., Gordon, D.P. (2023) Chapter 6. Kingdom Animalia, phylum Cnidaria (corals, medusae, anemones, hydroids, staurozoans, & myxozoans). Pp. 131–155, in: Kelly, M., Mills, S., Terezow, M., Sim-Smith, C., Nelson, W. (Eds) The Marine Biota of Aotearoa New Zealand. Updating our marine biodiversity inventory. NIWA Biodiversity Memoir 136, 494 pp.
4. **Rodríguez E**, Collins S., Grinyo J, Puig P (2023) New species of sea anemone (Actiniaria, Metridioidea) from cold water coral environments in the North-western Mediterranean Sea. Mediterranean Marine Science 24(3): 58-68.
5. Quattrini AM, Snyder K, Purow-Ruderman R, Seiblit I. G.L., Johnson Hoang<sup>2</sup>, Floerke N, Ramos N.I, Herman H, **Rodríguez E**, McFadden CS (2023) Extreme mito-nuclear discordance within Anthozoa, with notes on unique properties of their mitochondrial genomes. Scientific Reports 13(1), DOI:10.1038/s41598-023-34059-1

6. **Rodríguez E & Laretta D (2023)** *Halcurias uchidai* sp. nov. (Cnidaria: Actiniaria): putting a name with a face of a deep-sea anemone and amending a nomenclature lapsus. *Zootaxa* 5258(1): 146-150. <https://doi.org/10.11646/zootaxa.5258.1.8>
7. Hamilton N, Gusmão LC, Izumi T, **Rodríguez E**, Yap NWL, Daly M (2022). Phylogeny and taxonomy of Haloclavidae (Verrill, 1899) with a redescription of the parasitic, burrowing sea anemone, *Peachia chilensis* Carlgren, 1931. *PLoS ONE* 17(9): e0266283. <https://doi.org/10.1371/journal.pone.0266283>
8. Glon H, Quattrini A, **Rodríguez E**, Titus B, Daly M (2021) Sequence-capture methods outperform ddRAD approaches in resolving species and populations in hexacorallian anthozoans. *Molecular Phylogenetics and Evolution*. <https://doi.org/10.1016/j.ympev.2021.107233>
9. Chakrabarty P, Desai UR, Peck C, Mah C, Singer R, Downey R, **Rodríguez E**, Bart PJ (2021) Preliminary checklist of the undersea fauna of the Ross Sea Antarctic continental shelf based on yo-yo camera surveys. *Miscellaneous Publications of the Museum of Zoology, Michigan University*
10. McFadden CS, Quattrini AM, Brugler MR, Cowman PC, Dueñas L, Kitahara MV, Paz-García D, Reimer JD, **Rodríguez E (2021)** Phylogenomics, Origin and Diversification of Anthozoans (Phylum Cnidaria). *Systematic Biology*, syaa103, <https://doi.org/10.1093/sysbio/syaa103>
11. Gusmão LC, **Rodríguez E (2021)** Deep-sea anemones (Cnidaria: Anthozoa: Actiniaria) from the South Atlantic. *Bulletin of the American Museum of Natural History* 444.
12. Gusmão LC, **Rodríguez E (2021)** Two sea anemones (Cnidaria, Anthozoa, Actiniaria) from the Southern Ocean with evidence of a deep-sea, polar lineage of burrowing sea anemones. *Zoological Journal of the Linnean Society*, <https://doi.org/10.1093/zoolinnean/zlaa176>.
13. Goffredi SK, Motooka C, Fike D, Gusmão LC, Tilic E, Rouse GW, **Rodríguez E (2021)** Facultative chemosynthesis in a deep-sea anemone from hydrothermal vents in the Pescadero Basin, Gulf of California. *BMC Biology* 19, 8. Doi <https://doi.org/10.1186/s12915-020-00921-1>
14. Quattrini AM, **E Rodríguez**, BC Faircloth, P Cowman, MR Brugler, G Farfan, ME Hellberg, MV Kitahara, CL Morrison, DA Paz-Garcia, JD Reimer, CS McFadden (2020) Paleoclimate ocean conditions shaped the evolution of corals and their skeletons through deep time. *Nature Ecology and Evolution*. 10.1038/s41559-020-01291-1
15. Gusmão LC, Van Deusen V, Daly M, **Rodríguez E (2020)** Origin and evolution of the symbiosis between sea anemones (Cnidaria, Anthozoa, Actiniaria) and hermit crabs with additional notes on anemone-gastropod associations. *Molecular Phylogenetics and Evolution* 148: 106805. [doi.org/10.1016/j.ympev.2020.106805](https://doi.org/10.1016/j.ympev.2020.106805)
16. Gusmão LC, Qu C, Burke SL, **Rodríguez E (2020)** *Scolanthus celticus* sp. nov. and *Scolanthus srimp* sp. nov., two new deep-sea species of burrowing anemones (Cnidaria: Actiniaria: Edwardsiidae) from Whittard Canyon off the SW coast of Ireland. *American Museum Novitates* 3945: 1-25. [doi.org/10.1206/3945.1](https://doi.org/10.1206/3945.1)
17. Titus BM, Laroche R, **Rodríguez E**, Wirshing H, Meyer CP (2020) Host identity and symbiotic association affects the genetic and functional diversity of the clownfish-hosting sea anemone microbiome. *Biology Letters*. *Biology letters*, <https://doi.org/10.1098/rsbl.2019.0738>
18. Xiao M, Brugler MR, Broe MB, Gusmão LC, Daly M, **Rodríguez E (2019)** Mitogenomics suggests a sister relationship of *Relicanthus daphneae* (Cnidaria: Anthozoa: Hexacorallia: *incerti ordinis*) with Actiniaria. *Scientific Reports*; doi: 10.1038/s41598-019-54637-6.

19. Gusmão LC, **Rodríguez E**, Daly M (2019) Description of *Calliactis tigris* sp. nov.: reconciling taxonomy and phylogeny in hermit-crab symbiotic anemones (Cnidaria: Actiniaria: Hormathiidae). *Organismal Diversity and Evolution*, 19(4): 567-583; doi.org/10.1007/s13127-019-00414-2.
20. Ramírez-Carreto S, Vera-Estrella R, Portillo-Bobadilla T, Licea-Navarro A, Bernaldez-Sarabia J, Rudiño-Piñera E, Verleyen J, **Rodríguez E**, Rodríguez-Almazán C (2019) Transcriptomic and Proteomic Analysis of Tentacles and Mucus of Sea anemone *Anthopleura dowii* Verrill, 1869. *Marine Drugs* 17, 436; doi:10.3390/md17080436.
21. Titus BM, Benedict C, Laroche R, Gusmão LC, Van Deusen V, Chiodo T, Meyer CP, Berumen ML, Bartholomew A, Yanagi K, Reimer JD, Fujii T, Daly M, **Rodríguez E** (2019) Phylogenetic relationships among the clownfish-hosting sea anemones. *Molecular Phylogenetics and Evolution*, 139; DOI: 10.1016/j.ympev.2019.106526.
22. Dueñas LF, Cedeño-Posso C, Grajales A, Herrera S, **Rodríguez E**, Sánchez JA, Leon J, Puentes V (2019) First visual occurrence data for deep-sea cnidarians in the South-western Colombian Caribbean. *Biodiversity Data Journal*, 7: e33091; doi: 10.3897/BDJ.7.e33091.
23. Gusmão LC, Berniker L, Van Deusen V, Harris O, **Rodríguez E** (2019) Halcampa lactidae (Actiniaria, Actinostoloidea), a new family of burrowing sea anemones with external brooding from Antarctica. *Polar Biology*, 42: 1271-1286; DOI: 10.1007/s00300-019-02516-1.
24. Grajales A, **Rodríguez E** (2019) Case 3790: Proposed review of Opinion 2404 and reconsideration of Case 3633: *Dysactis pallida* Agassiz in Verrill, 1864 (currently *Exaiptasia pallida*; Cnidaria, Anthozoa, Hexacorallia, Actiniaria): proposed precedence over *Exaiptasia diaphana* (Rapp, 1829). *Bull Zool Nomencl*, 76, 127-131.
25. Jiang J, Quattrini AM, Francis WR, Ryan JF, **Rodríguez E**, McFadden CS (2019) A Hybrid de novo Assembly of the Sea Pansy (*Renilla muelleri*) genome. *GigaScience* 8, 1-7; Doi: 10.1093/gigascience/giz026.
26. Barragán Y, Sánchez C, Hooker Y, **Rodríguez E** (2019) First inventory of sea anemones (Cnidaria: Actiniaria) from La Paz Bay, Southern Gulf of California (Mexico)". *Zootaxa*, 4559 (3): 501-549.
27. Gusmão LC, Grajales A, **Rodríguez** (2018) Sea Anemones through X-rays: Visualization of two species of *Diadumene* (Cnidaria, Actiniaria) using Micro-CT. *American Museum Novitates*, 3907: 1-47; Doi.org/10.1206/3907.1.
28. Brasier MJ, Grant SM, Trathan PN, Allcock L, Ashford O, Blagbrough H, Brandt A, Danis B, Downey R, Eléaume M, Enderlein P, Ghiglione C, Hogg O, Linse K, Mackenzie M, Moreau C, Robinson L, **Rodríguez E**, Spiridonov V, Tate A, Taylor M, Waller C, Wiklund H, Griffiths HJ (2018). Benthic biodiversity in the South Orkney Islands Southern Shelf Marine Protected Area. *Biodiversity*, 19 (1-2): 5-19; Doi.org/10.1080/14888386.2018.1468821.
29. Brugler MR, Gonzalez-Muñoz R., Tessler M, **Rodríguez E**. (2018) An EPIC journey to locate single-copy nuclear markers in sea anemones (Cnidaria: Anthozoa). *Zoologica Scripta*, 47 (6): 756-776; doi: 10.1111/zsc.12309.
30. Quattrini A, Faircloth B, Dueñas L, Bridge T, Brugler M, Calixto-Botía I, DeLeo D, Foret S, Herrera S; Lee S, Miller D, Prada C, Rádis-Baptista G, Ramírez-Portilla C, Sánchez J, **Rodríguez E**, McFadden C (2017) Universal target-enrichment baits for anthozoan (Cnidaria) phylogenomics: New approaches to long-standing problems. *Mol Ecol Res*; doi: 10.1111/1755-0998.12736.
31. Barragán Y, Sánchez C, **Rodríguez E** (2018) *Tenactis* gen. nov. (Actiniaria, Haloclavidae) a new genus of sea anemones from the Gulf of California, Mexico. *J Mar Biol Ass UK*, doi: 10.1017/S0025315418000437.

32. Daly M, Crowley LM, Larson P, **Rodríguez E**, Heestand Saucier E, Fautin DG (2017) *Anthopleura* and the phylogeny of Actinioidea (Cnidaria: Anthozoa: Actiniaria). *Org Div & Evol* 17:545–564; Doi: 10.1007/s13127-017-0326-6.
33. Brown T, Otero C, Grajales A, **Rodríguez E**, Rodriguez-Lanetty M (2017) Worldwide exploration of the microbiome harbored by the cnidarian model, *Exaiptasia pallida* (Agassiz in Verrill, 1864) indicates a lack of bacterial association specificity at a lower taxonomic rank. *PeerJ* 5:e3235. Doi 10.7717/peerj.3235.
34. Rodríguez C, Ayala-Sumuano JT, Licea A, Rudiño-Piñera E, **Rodríguez E** (2017) Sequencing and de novo transcriptome assembly of *Anthopleura dowii* (Verrill, 1869) from Mexico. *Genomics Data*; doi.org/10.1016/j.gdata.2016.11.022
35. Collin R, Fredericq S, Wilson Freshwater D, Gilbert E, Madrid M, Maslakova S, Miglietta MP, Rocha RM, **Rodríguez E**, Thacker RW (2016) TaxaGloss - A Glossary and Translation Tool for Biodiversity Studies. *Biodiversity Data Journal*; doi: 10.3897/BDJ.4.e10732.
36. Grajales A, **Rodríguez E** (2016) Elucidating diversity within the Aiptasiidae, a widespread cnidarian-dinoflagellate model system (Cnidaria: Anthozoa: Actiniaria: Metridioidea). *Mol Phylogeny Evol* 94(A):252-263; doi: 10.1016/j.ympev. 2015.09.004 (online first 2015)
37. Grajales A, **Rodríguez E**, Thornhill DJ (2015) Patterns of *Symbiodinium* spp. associations within the family Aiptasiidae, a monophyletic lineage of symbiotic of sea anemones (Cnidaria, Actiniaria). *Coral Reefs*; doi: 10.1007/s00338-015-1352-5
38. Foox J, Brugler MR, Siddall M, **Rodríguez E** (2015) Multiplexed pyrosequencing of nine sea anemone (Cnidaria: Anthozoa: Hexacorallia: Actiniaria) mitochondrial genomes. *Mitochondrial DNA*; Doi: 10.3109/19401736.2015.1053114.
39. -Gonzalez-Muñoz R, Simões N, Tello-Musi JL, Sánchez-Rodríguez J, **Rodríguez E** (2015) New records of sea anemones (Cnidaria, Anthozoa, Actiniaria) in the Mexican Caribbean. *Mar Biodiversity Rec* 8: 1-7 (e100); Doi:10.1017/S1755267215000767.
40. Gonzalez-Muñoz R, Simões N, Mascaro M, Tello-Musi JL, Brugler MR, **Rodríguez E** (2014) Morphological and molecular variability of the sea anemone *Phymanthus crucifer* (Cnidaria, Actiniaria, Actinoidea). *J Mar Biol Ass UK*; doi:10.1017/S0025315414000988.
41. **Rodríguez E**, Fautin DG (2014) Hexacorallia. In: De Broyer C, Koubbi P, Griffiths HJ, Raymond B, Udekem d’Acoz Cd’, et al. (eds.). *Biogeographic Atlas of the Southern Ocean*. Scientific Committee on Antarctic Research, Cambridge, pp. 113-116
42. Häussermann V, **Rodríguez E** (2014) A new genus and species of isanthid sea anemone (Cnidaria: Anthozoa: Actiniaria) from Chilean Patagonia, *Anthoparactis fossii* n. gen. et sp. *Helgol Mar Res* 68(3): 431-438; doi: 10.1007/s10152-014-0399-y.
43. Grajales A, **Rodríguez E** (2014) Morphological revision of the genus *Aiptasia* and the family Aiptasiidae (Cnidaria, Actiniaria, Metridioidea). *Zootaxa* 3826(1), 055–100.
44. **Rodríguez E**, Barbeitos M, Brugler MR, Crowley L, Gusmão LC, Häussermann V, Grajales A, Reft A, Daly M (2014) Hidden among sea anemones: The first comprehensive phylogenetic reconstruction of the order Actiniaria (Cnidaria, Anthozoa, Hexacorallia) reveals a novel group of hexacorals. *PLoS ONE* 9(5): e96998. doi:10.1371/journal.pone.0096998.
45. Article featured in several major news media outlets including: *NBC news, IFL Science, Fox news, USA today*.
46. Grajales A, **Rodríguez E** (2013) Case 3633: *Dysactis pallida* Agassiz in Verrill, 1864 (currently *Aiptasia pallida*; Cnidaria, Anthozoa, Hexacorallia, Actiniaria): proposed precedence over *Aiptasia diaphana* (Rapp, 1829), *Aiptasia tagetes* (Duchassaing de Fombressin & Michelotti, 1864),

- Aiptasia mimosa* (Duchassaing de Fombressin & Michelotti, 1864) and *Aiptasia inula* (Duchassaing de Fombressin & Michelotti, 1864). Bull Zool Nomencl 70(3): 153-154.
47. Gonzalez-Muñoz R, Simões N, Tello-Musi JL, **Rodríguez E (2013)** Sea Anemones (Cnidaria, Anthozoa, Actiniaria) from coral reefs in the southern Gulf of Mexico. Zookeys 341: 77-106. DOI: 10.3897/zookeys.341.5816
  48. Lauretta D\*, Häussermann V, Brugler M, **Rodríguez E\* (2013)** *Isoparactis fionae* sp. nov. (Cnidaria: Anthozoa: Actiniaria) from Southern Patagonia, with a discussion of the family Isanthidae. Org Divers Evol 14(1): 31-42. DOI: 10.1007/s13127-013-0149-z. (\*) both authors contributed equally to this work.
  49. **Rodríguez E**, Mendoza M, Häussermann V (2013) New records and redescription of *Halcurias pilatus* McMurrich, 1893 and *Halcurias mcmurrichi* Uchida, 2004 (Actiniaria, Endocoelelantheae). J Mar Biol Ass UK 93(8): 2089-2100. DOI:10.1017/S0025315413000775.
  50. **Rodríguez E**, López-González PJ (2013) New records of Antarctic and Sub-Antarctic sea anemones (Cnidaria, Anthozoa, Actiniaria and Corallimorpharia) from the Weddell Sea, Antarctic Peninsula, and Scotia Arc. Zootaxa 3624: 1-100.
  51. **Rodríguez E**, Orejas C, López-González PJ & Gili JM (2013) Reproduction in the externally brooding sea anemone *Epiactis georgiana* in the Antarctic Peninsula and the Weddell Sea. Mar Biol 160: 67-80. DOI: 10.1007/s00227-012-2063-x (online 2012).
  52. Gonzalez-Muñoz R, Simões N, Sanchez-Rodriguez J, **Rodríguez E** & Segura-Puertas L (2012) First Inventory of Sea Anemones (Cnidaria: Actiniaria) of the Mexican Caribbean. Zootaxa 3556: 1-38.
  53. **Rodríguez E (2012)** First endomyarian Sea Anemone (Cnidaria, Actiniaria) putatively from Chemosynthetic Environments: A New Deep-Sea genus and species from The North Pacific. Mar Biol Res 8: 791-801.
  54. **Rodríguez E**, Barbeitos M, Daly M, Gusmão L, Häussermann V (2012) Toward A Natural Classification: Phylogeny of Acontiate Sea Anemones (Cnidaria, Anthozoa, Actiniaria). Cladistics 28: 375-392; DOI: 10.1111/j.1096-0031.2012.00391.x
  55. **Rodríguez E (2012)** Another Bipolar Deep-Sea Anemone: New Species Of *Iosactis* (Actiniaria, Endomyaria) from Antarctica. Helgol Mar Res 66: 211-218; DOI: 10.1007/s10152-011-0263-2 (online 2011).
  56. Lauretta D, **Rodríguez E**, Penchaszadeh PE (2011). A new vermiform sea anemone (Cnidaria: Anthozoa) from Argentina: *Harenactis argentina* sp. nov. Zootaxa 3027: 9-18.
  57. **Rodríguez E**, Daly M (2010) Phylogenetic relationships among deep-sea and chemosynthetic sea anemones: Actinoscyphiidae and Actinostolidae (Actiniaria: Mesomyaria). PLoS ONE 5(6): e10958; doi: 10.1371/journal.pone.0010958.
  58. Daly M, Gusmão L, Reft A, **Rodríguez E (2010)** Phylogenetic signal in mitochondrial and nuclear markers in sea anemones (Cnidaria, Actiniaria). Integr Comp Biol 50(3): 371-388; DOI: 10.1093/icb/icq081.
  59. **Rodríguez E**, López-González PJ, Daly M (2009) New family of sea anemones (Actiniaria, Acontinaria) from deep polar seas. Polar Biol 32: 703-717. DOI: 10.1007/s00300-008-0575-0.
  60. Zelnio K, **Rodríguez E**, Daly M (2009) Hexacorals (Anthozoa: Actiniaria, Zoanthidea) from hydrothermal vents in the South-western Pacific. Mar Biol Res 5(6): 547-571. DOI: 10.1080/17451000902729662.

61. **Rodríguez E**, López-González PJ (2008) The symbiotic sea anemone genus *Isosicyonis* Carlgren, 1927 (Actiniaria: Actiniidae): a new species from the Weddell Sea (Antarctica) that clarifies the taxonomic position of the genus. *Sci Mar* 72(1): 76-83.
62. Daly M, Chaudhuri A, Gusmão L, **Rodríguez E** (2008) Phylogenetic relationships among sea anemones (Cnidaria: Anthozoa: Actiniaria). *Mol Phyl Evol* 48: 292-301.
63. **Rodríguez E**, Castorani CN, Daly M (2008) Morphological phylogeny of family Actinostolidae (Anthozoa: Actiniaria) with a description of a new genus and species of hydrothermal vent sea anemone redefining family Actinoscyphiidae. *Invert Syst* 22(4): 439-452.
64. **Rodríguez E**, López-González PJ, Gili JM (2007) Biogeography of Antarctic Sea Anemones (Anthozoa, Actiniaria): What do they tell us about the origin of the Antarctic Benthic Fauna?. *Deep-sea Res II*, 54/16-17: 1876-1904.
65. Daly M, Brugler MR, Cartwright P, Collins AG, Dawson MN, Fautin DG, France SC, McFadden CS, Opresko DM, **Rodríguez E**, Romano S, Stake J. (2007) The phylum Cnidaria: A review of phylogenetic patterns and diversity three hundred years after Linnaeus. *Zootaxa* 1668: 127-182.
66. Arntz WE, Thatje S, Linse K, Avila C, Ballesteros M, Barnes D, Cope T, Cristobo F, De Broyer C, Gutt J, Isla E, López-González P, Montiel A, Munilla T, Ramos Esplá A, Raupach M, Rauschert M, **Rodríguez E**, Teixidó N. (2006). Missing link in the Southern Ocean: sampling the marine benthic fauna of remote Bouvet Island. *Polar Biol* 29(2): 83-96.
67. **Rodríguez E**, López-González PJ (2005) New record of the sea anemone *Kadosactis antarctica* (Carlgren, 1928): redescription of an Antarctic deep-sea sea anemone, and a discussion of its generic and familiar placement. *Helgol Mar Res* 59: 301-309, DOI: 10.1007/s10152-005-0005-4.
68. López-González PJ, **Rodríguez E**, Segonzac M (2005) A new species of sea anemone (Cnidaria: Anthozoa: Actiniaria) from Manus Basin hydrothermal vents, South-western Pacific. *Mar Biol Res* 1: 326-337.
69. **Rodríguez E**, López-González PJ (2003) *Stephanthus antarcticus*, a new genus and species of sea anemone (Actiniaria, Haloclavidae) from the South Shetland Islands, Antarctica. *Helgol Mar Res* 57: 54-62.
70. López-González PJ, **Rodríguez E**, Gili JM, Segonzac M (2003) New records on sea anemones species (Anthozoa: Actiniaria) from hydrothermal vents and cold seeps. *Zool Verh* 345: 215-243.
71. **Rodríguez E**, López-González PJ (2002) A new species of *Halcampella* (Actiniaria, Halcampoididae) from the eastern Weddell Sea and Antarctic Peninsula. *Sci Mar* 66(1): 43-52.
72. **Rodríguez E**, López-González PJ (2002) Case 3206: *Halcampella* Andres, 1883 (Cnidaria: Anthozoa): proposed designation of *Halcampella maxima* Hertwig, 1888 as the type species. *Bull Zool Nomencl* 59(3): 170-172.
73. **Rodríguez E**, López-González PJ (2001) A new species of *Hormathia* (Actiniaria, Hormathiidae) from the eastern Weddell Sea, Antarctica. *Helgol Mar Res* 55: 116-123.

#### Other publications

- Grajales A, **Rodríguez E** (2019). Anemonas y Ceriantarios. In: Puentes V, Dueñas LF, León J (Eds.). 2019. Guía Visual de Organismos de Aguas Profundas del Caribe Colombiano/ Visual Guide for Deep Sea Organisms of the Colombian Caribbean. Anadarko Colombia Company ©, Fondo Nacional de Financiamiento para la Ciencia, la Tecnología y la Innovación “Francisco José de Caldas” – COLCIENCIAS©. 8-14 pp.
- **Rodríguez E**, Daly M (2014). A non-anemone among anemones: DNA-based research reveals a new order of animals. *Natural History* 122(10): 14-15.



- **Rodríguez E**, Daly M (2010). Actiniaria. In: Deep-Sea Hydrothermal Vent Fauna. Morineaux M, Baker M, Ramirez-Llodra E and Desbruyères D (eds). DVD. 2010. ChEss and Ifremer.
- **Rodríguez E**, Daly M (2010). *Alvinactis reu* Rodríguez, Castorani & Daly, 2008. DVD. 2010. ChEss and Ifremer.
- **Rodríguez E**, Zelnio K, Daly M (2010). *Alvinactis chessi* Zelnio, Rodríguez & Daly, 2009. DVD. 2010. ChEss and Ifremer.
- **Rodríguez E**, Zelnio K, Daly M (2010). *Chondrophellia orangina* Zelnio, Rodríguez & Daly, 2009. DVD. 2010. ChEss and Ifremer.
- **Rodríguez E**, Zelnio K, Daly M (2010). *Cyananthea hourdezi* Zelnio, Rodríguez & Daly, 2009 DVD. 2010. ChEss and Ifremer.
- **Rodríguez E**, Zelnio K, Daly M (2010). *Sagartiogeton erythraios* Zelnio, Rodríguez & Daly, 2009. DVD. 2010. ChEss and Ifremer.
- López-González PJ, **Rodríguez E**, Segonzac M (2006). Cnidaria: Anthozoa: Actiniaria: Actinostolidae. In: Handbook of Deep-Sea Hydrothermal Vent Fauna. D Desbruyeres, M Segonzac and M Bright (eds). Denisa 18: 70-71.
- Gili JM, Isla E, **Rodríguez E**, Rodríguez y Baena A, Rossi S, Teixidó N, Vendrell B, Verdes D, Arntz WE (2005). Benthic-pelagic coupling under polar spring conditions. In: Arntz W & Brey T (eds) "The Expedition ANTARKTIS XXI/2 (BENDEX) of RV "Polarstern" in 2003/4". Ber Polarforsch 503: 43-69.
- Gili JM, **Rodríguez E**, Teixidó N, Vendrell B (2005) Biodiversity and genetics of Cnidaria and Porifera. In: Arntz W & Brey T (eds) "The Expedition ANTARKTIS XXI/2 (BENDEX) of RV "Polarstern" in 2003/4". Ber Polarforsch 503: 103-108.
- **Rodríguez E** (2004) Anémones, flors sota el gel. Omnis Cellula 6, 72-76.
- Conradi, M, López-González PJ, Megina C, **Rodríguez E**, Díaz RJ, Vert N, Gili JM (2003) De Cerca: Los orígenes de la fauna bentónica antártica. Investigación y Ciencia, Abril, 36-37.
- Vert N, López-González PJ, **Rodríguez E** (2003) Biogeography of Porifera. In: Arntz W & Brey T (eds) "The Expedition ANTARKTIS XIX/5 (LAMPOS) of RV "Polarstern" in 2002". Ber Polarforsch 462: 12.
- López-González, PJ, **Rodríguez E**, Vert N (2003) Biogeography and Ecology of Cnidaria. In: Arntz W & Brey T (eds) "The Expedition ANTARKTIS XIX/5 (LAMPOS) of RV "Polarstern" in 2002". Ber Polarforsch 462: 13-18.
- López-González, PJ, Vert N, **Rodríguez E**. (2003) Ecology of Benthic Suspension Feeders. In: Arntz W & Brey T (eds) "The Expedition ANTARKTIS XIX/5 (LAMPOS) of RV "Polarstern" in 2002". Ber Polarforsch 462: 59-60.

## PROFESSIONAL PRESENTATIONS

### Oral presentations (\*speaker/ presenter; students underlined)

- 2024.- **Rodríguez E\***. "Diversidad y Evolucion de anemonas de mar (Cnidaria, Actiniaria)". Guest lecture at INVEMAR (Instituto De Investigaciones Marinas Y Costeras "José Benito Vives de Andrés") in Santa Marta, Colombia. April, 2024.
- 2023.- Lopez-Guzman M\*, Davis A, Stenzel J, Berniker L, Johnson C, **Rodriguez E**. Beautiful Batches of Bryozoans: Digitizing the Marine Invertebrate Collection at AMNH. SPNHC 2023, San Francisco (CA). June, 2023.
- 2021.- **Rodríguez E\***. "Diversity and Evolution of Anthozoa (Cnidaria)". Guest lecture at Instituto del Ciencias del Mar (CMIMA-CSIC) in Barcelona, Spain. May, 2021 (online lecture).

- 2021.- Gusmão L\*, **Rodríguez E.** “Evidence of a deep-sea, Antarctic lineage of burrowing sea anemones (Cnidaria: Actiniaria): an evaluation using mitogenomics”. The Society of Integrative and Comparative Biology, virtual annual meeting (VAM). January, 2021.
- 2020.- **Rodríguez E\***. “Diversity and Evolution of sea anemones (Cnidaria: Actiniaria)”. Guest lecture at Dept. of Natural Sciences at South Carolina Beaufort University (USCB, SA, USA). November, 2020 (online lecture).
- 2020.- **Rodríguez E\***. “Diversity of sea anemones (Cnidaria: Actiniaria)”. Guest lecture at Dept. of Biology at Brigham Young University (BYU, Hawaii, USA). January, 2020.
- 2019.- McFadden CS\*, Quattrini AM, Faircloth BC, **Rodríguez E.** A robust, time-calibrated phylogeny from sequence-capture of UCEs and exons sheds light on skeletal evolution in class Anthozoa. 7th International Symposium on Deep Sea Corals, Cartagena (Colombia). July, 2019
- 2019.- Titus B\*, Meyer CP, Berumen ML, Bartholomew A, Reimer JD, Yanagi K, **Rodríguez E.** Systematics and species delimitation of the clownfish-hosting sea anemones: are there really only 10 host species?. Integrative and Comparative Biology, Tampa (FL, USA). January, 2019.
- 2018.- **Rodríguez E\***. “Evolution and diversity of sea anemones (Cnidaria: Actiniaria)”. Guest lecture at Dept. of Evolution, Ecology and Organismal Biology at Iowa State University (IA). April 2018.
- 2018.- **Rodríguez E\***. “Evolución y diversidad de anémonas de mar (Cnidaria: Actiniaria)”. Guest lecture. Universidad Autónoma de Baja California Sur, La Paz (Mexico). February, 2018.
- 2017.- Grajales A\*, Gusmão L, **Rodríguez E.** Sea Anemones through X-rays: Microcomputed tomography ( $\mu$ CT) of soft bodied Cnidaria, advantages, limitations and future perspectives for the taxonomy and systematics of the Class Anthozoa. 4th International Congress on Invertebrate Morphology (ICIM4) in Moscow (Russia), August 2017.
- 2016.- **Rodríguez E\***. “Evolution and diversity of sea anemones (Cnidaria: Actiniaria)”. Puffin Educational Forum; guest lecture. Puffin Foundation, New Jersey, USA; October, 2016.
- 2016.- Quattrini A\*, **Rodríguez E**, Faircloth BC, McFadden CS. Phylogenomics of Anthozoa (Cnidaria): new approaches to long-standing problems. 6<sup>th</sup> International symposium Deep-sea Corals, Boston, MA (USA); September, 2016
- 2016.- **Rodríguez E\***. “Evolución y diversidad de anémonas de mar (Cnidaria: Actiniaria)”. Guest lecture. Bocas del Toro Research Station, Smithsonian Tropical Research Institute (STRI), Panama. June, 2016.
- 2015.- **Rodríguez E\***. “Evolución y diversidad de anémonas de mar (Cnidaria: Actiniaria)”. Guest lecture for ECUSADIVULGA@NY at Instituto Cervantes in New York (USA); April, 2015.
- 2014.- Lara A\*, DeSalle R, Macrander J, Daly M, **Rodríguez E.** “Fishing for genes: the distribution of nervous network components across cnidarians”. Evolution 2014, North Carolina (USA); June, 2014.
- 2014.- Barragán PY\*, Sánchez C, **Rodríguez E**, Hooker YSA, Riosmena R. “Inventario de las especies de anémonas de mar (Cnidaria: Anthozoa: Actiniaria) de la Bahía de la Paz, Golfo de California, México”. XVIII Congreso Nacional de Oceanografía. La Paz (Mexico); June, 2014.
- 2013.- Grajales A\*, Brugler MR, **Rodríguez E.** “An integrative approach of species delimitation in sea anemones: The family Aiptasiidae (Cnidaria: Actiniaria: Metridioidea) as a case study”. The International Conference on Coelenterate Biology (ICCB) 2013, Eilat (Israel); December, 2013.
- 2013.- Foox J\*, Brugler MR, **Rodríguez E.** “Evolution of Sea Anemone Mitogenomes revealed by Next-Generation Pyrosequencing”. Evolution 2013, Utah (USA); June, 2013.

- 2013.- Brugler MR\*, Lara A, González-Muñoz R, **Rodríguez E**. "Evaluation of novel nuclear introns within shallow and deep-water sea anemones (Cnidaria: Anthozoa: Hexacorallia: Actiniaria)". Evolution 2013, Utah (USA); June, 2013.
- 2013.- **Rodríguez E\***, Brugler M. "Molecular analysis reveals a giant deep-sea anemone may represent a new order of Anthozoa". Evolution 2013, Utah (USA); June, 2013.
- 2013.- Grajales A\*, **Rodríguez E**. "Molecular diversity of *Aiptasia* sp." Annual Meeting of the Society for Integrative and Comparative Biology (SICB). San Francisco; January 2013.
- 2012.- Grajales A\*, Brugler M, **Rodríguez E**. "Dissection of a model organism, Exploring the molecular and morphological diversity of *Aiptasia* spp." 12th International Coral Reef Symposium. Cairns, Queensland (Australia); July, 2012.
- 2011.- **Rodríguez E**. "Diversity and evolution of sea anemones (Cnidaria: Actiniaria) at the AMNH". Guest lecture at Dowling College, Long Island (NY), USA; March 28th 2011.
- 2010.- **Rodríguez E**. "Diversity and evolution of sea anemones (Cnidaria: Actiniaria) at the AMNH". Guest lecture at Brigham Young University (BYU), Hawaii, USA; October 1st 2010.
- 2010.- Daly M\*, **Rodríguez E**. "Problems and Progress in sea anemone Phylogeny". 2010 Annual Meeting Society for Integrative and Comparative Biology (SICB), Seattle (USA); January, 2010.
- 2008.- **Rodríguez E\***, Daly M. "Phylogeny and Evolution of Chemosynthetic Sea Anemones (Anthozoa: Actiniaria)". Evolution Conference 2008, University of Minnesota, Minneapolis (USA); June 20-24, 2008.
- 2008.- **Rodríguez E**. "Diversity and evolution of sea anemones (Cnidaria: Anthozoa): polar and deep-sea actinarians as an example". Invited seminar at the Division of Invertebrate Zoology, American Museum of Natural History, New York, USA. 29th January 2008.
- 2007.- **Rodríguez E\***, Daly M. "Morphological evidence for the division of the deep-sea and polar family Actinostolidae (Cnidaria: Anthozoa: Actiniaria)". Second Annual Cnidarian Tree of Life Workshop and Student-Postdoc Symposium "Cnidarian Phylogenetics and Evolution". St. John, Virgin Islands (USA); July, 2007.
- 2007.- **Rodríguez E**. "Biogeography and reproduction of Antarctic sea anemones (Cnidaria: Anthozoa)". Spring Seminar at Dept. Evolution, Ecology and Organismal Biology, Ohio State University, Columbus-OH (USA); April, 2007. (Guest lecture).

#### Posters (\*speaker/ presenter; students underlined)

- 2023.- Barragán Y.\*, Titus B, Hayde P., **Rodríguez E**. The three-palette color sea anemone *Phymactis papillosa*. Evolution conference 2023, Albuquerque (NM). June 2023.
- 2023.- Chiodo T\*, Titus B, **Rodríguez E**. Phylogenomic reconstruction of clownfish-hosting sea anemone clades Stichodactylina and Heteractina. The Society for Integrative and Comparative Biology, annual meeting 2023, Austin (TX). January, 2023.
- 2023.- Gibson M\*, **Rodríguez E**, Meyer C, Titus B, Ecological diversification in the clownfish-hosting sea anemone *Heteractis magnifica*. The Society for Integrative and Comparative Biology, annual meeting 2023, Austin (TX). January, 2023.
- 2022.- Barragán Y.\*, Titus B, Hayde P., **Rodríguez E**. The three-palette color sea anemone *Phymactis papillosa*. Cnidofest 2022, University of California Davis (CA), September 2022.
- 2021.- Seid C\*, Hatch A, McCowin M, Carvajal J, Cha H, Ah Yong S, Ashford O, Breedy O, Eernisse D, Goffredi S, Hendrickx M, Kocot K, Mah C, Miller A, Koch NM, Mooi R, O'Hara T, **Rodríguez E**, Stiller J, Tilic E, Valentich-Scott P, Warén A, Wicksten M, Wilson N, Cordes E, Levin L, Cortés Nuñez

- J, Rouse G. A faunal inventory of methane seeps on the Pacific margin of Costa Rica. 16th Deep-Sea Biology Symposium, Brest (France), 12-17 Sep, 2021 – Deep Sea Biology Society (DSBS).
- 2021.- Gusmão L\*, **Rodríguez E.** “Bipolar distributions in sea anemones (Cnidaria: Anthozoa: Actiniaria): the case of *Halcampoides Danielssen, 1890*”. The Society for Integrative and Comparative Biology, virtual annual meeting (VAM). January, 2021.
- 2019.- Laroche R\*, Benedict C, Titus B, , **Rodríguez E.** Meyer CP. First characterization of the clownfish-hosting sea anemones microbiome across host and habitat. Association for the Sciences of Limnology and Oceanography (ASLO), San Juan, Puerto Rico (USA), February-March, 2019.
- 2019.- Benedict C\*, Laroche R, Titus B, Gusmão L, Meyer CP, **Rodríguez E.** Phylogenetic relationships among sea anemones reveals at least four independent origins of symbiosis with clownfish. Association for the Sciences of Limnology and Oceanography (ASLO), San Juan, Puerto Rico (USA), February-March, 2019.
- 2019.- Laroche R\*, Benedict C, Titus B, Meyer CP, Berumen ML, Bartholomew A, Yanagi K, Reimer JD, Fujii T, **Rodríguez E.** First characterization of the clownfish-hosting sea anemones microbiome across host and habitat. The Society for Integrative and Comparative Biology, Tampa (FL, USA), January, 2019.
- 2019.- Benedict C\*, Laroche R, Titus B, Gusmão L, Van Deusen V, Meyer CP, Berumen ML, Bartholomew A, Yanagi K, Reimer JD, Fujii T, Daly M, **Rodríguez E.** Phylogenetic relationships among sea anemones reveals at least four independent origins of symbiosis with clownfish. The Society for Integrative and Comparative Biology, Tampa (FL, USA), January, 2019.
- 2018.- Quattrini AM, Faircloth BC, Titus BM\*, **Rodríguez E**, McFadden CS. Phylogenomics of class Anthozoa (Cnidaria) using universal target-enrichment baits. Global Invertebrate Genomics Alliance Research Conference III (GIGAllI), Curacao, Netherlands-Antilles. September, 2018.
- 2018.- Quattrini AM, Faircloth BC, Rodriguez E, McFadden CS. Phylogenomics of class Anthozoa (Cnidaria) using universal target-enrichment baits. 4th Asia Pacific Coral Reef Symposium, Cebu City, Philippines. June, 2018.
- 2018.- Barragán Y\*, Laretta D, **Rodríguez E.** Revision of the Genus *Actinostella* (Cnidaria: Actiniaria: Actinioidea) from Tropical and Subtropical Western Atlantic and Eastern Pacific: Redescriptions, Synonymies and Sister Species. The Society for Integrative and Comparative Biology, San Francisco (CA, USA), January, 2018.
- 2018.- Quattrini AM, Faircloth BC, **Rodríguez E**, McFadden CS\*. Phylogenomics of class Anthozoa (Cnidaria) Using Universal Target-Enrichment Baits. The Society for Integrative and Comparative Biology, San Francisco (CA, USA), January, 2018.
- 2017.- Collin R, Fredericq S, Freshwater DW, Maslakova S, Miglietta M, Rocha R, **Rodríguez E**, Thacker RW. Increasing Access to Methods in Organismal Taxonomy and Identification. The Society for Integrative and Comparative Biology, New Orleans (LA, USA), January, 2017.
- 2016.- Gusmão L, **Rodríguez E.** Systematics of Venus Fly Trap sea anemones (Cnidaria: Actiniaria). 6<sup>th</sup> International symposium Deep-sea Corals, Boston, MA (USA); September, 2016.
- 2016.- Griffiths\* H, Allcock L, Ashford O, Blagbrough H, Brandt A, Brasier M, Danis B, Downey R, Eléaume M, Enderlein P, Ghiglione C, Grant S, Hogg O, Mackenzie M, Moreau C, Robinson L, **Rodríguez E**, Spiridonov V, Tate A, Taylor M, Waller C, Wiklund H. SO-AntEco, South Orkneys – State of the Antarctic Ecosystem. Increasing International Access to Vocabularies for Organismal Taxonomy. Society for Integrative and Comparative Biology (Portland, OR), January, 2016. XXXIV SCAR, Kuala Lumpur, August 2016.

- 2016.- Collin R, Brandt B, Fredericq S, Maslakova S, Miglietta M, Rocha R, **Rodríguez E**, Thacker RW. Increasing International Access to Vocabularies for Organismal Taxonomy. Society for Integrative and Comparative Biology, Portland (OR, USA), January, 2016.
- 2015.- **Rodríguez E\***, Brugler MR, Quattrini A, McFadden C. Phylogenomics of Anthozoa (Cnidaria): new approaches to long-standing problems. Evolution Conference 2015, Brazil; June, 2015.
- 2014.- Lara A, Brugler MR, **Rodríguez E\***. Evaluation of nuclear DNA markers for species-level identification within the sea anemone genus *Actinostola* (Cnidaria, Actiniaria). Society for Integrative and Comparative Biology (SICB) 2014, Austin (Texas, USA); January, 2014.
- 2013.- González-Muñoz R, Simões N, Tello-Musi JL, Grajales A, **Rodríguez E**. Sea anemones *sensu lato* of coral reefs of the Gulf of Mexico and Mexican Caribbean. The International Conference on Coelenterate Biology (ICCB) 2013, Eilat (Israel); December, 2013.
- 2011.- **Rodríguez E**, Brugler M, Crowley L, Daly M, Grajales A. Are sea anemones (Cnidaria, Actiniaria) monophyletic? New order of hexacorals and the first phylogenetic higher-level classification for Actiniaria. Deep Metazoan Phylogeny 2011, Munich, Germany; October 11-14, 2011.
- 2011.- Brugler MR, Grajales A, France SC, **Rodríguez E**. A one-two punch: Anthozoans are characterized by extremely low rates of mitochondrial DNA sequence evolution and variable nuclear markers remain elusive. Deep Metazoan Phylogeny 2011, Munich (Germany); October 11-14, 2011.
- 2010.- Grajales A\*, **Rodríguez E**. "Phylogenetic relationships of the subclass Hexacorallia (Cnidaria; Anthozoa): an update". 2010 Annual Meeting Society for Integrative and Comparative Biology (SICB). Seattle (USA); January, 2010.
- 2008.- Zelnio K\*, **Rodríguez E**, Daly M, Fisher CR. New species of anemone and zoanthid from hydrothermal vents at the East-Lau Spreading Center and global vent and seep anemone diversity and distribution. 2008 Ocean Sciences Meeting. Orlando, Florida, (USA); March, 2008.
- 2008.- Castorani C\*, Daly M, **Rodríguez E**. "Biogeographic review of sea anemones (Cnidaria: Anthozoa: Actiniaria) endemic to the deep Pacific Ocean and their relationship to major sites of hydrothermal vents and cold seeps". Evolution Conference 2008, University of Minnesota, Minneapolis (USA); June, 2008.
- 2007.- **Rodríguez E\***, Daly M. Morphological evidence for the division of the deep-sea and polar family Actinostolidae (Cnidaria, Anthozoa, Actiniaria). Annual Hennig-XXVI Meeting. New Orleans, Louisiana, (USA); 28th June -2nd July, 2007.
- 2007.- **Rodríguez E\***, López-González PJ, Gili JM. Reproduction in the Antarctic externally brooding sea anemone *Epiactis georgiana* Carlgren, 1927 (Cnidaria: Anthozoa: Actiniaria). 2007 Annual Meeting of the Society for Integrative and Comparative Biology (SICB). Phoenix, Arizona (USA); January, 2007.
- 2006.- **Rodríguez E\***. Taxonomy and Biogeography of Antarctic Sea Anemones. "1st Annual OIE International Scholar Research Exposition, Ohio State University (Columbus, Ohio)" Columbus, Ohio, USA. 2006.
- 2006.- **Rodríguez E\***, López-González PJ. A new species of sea anemone (Actiniaria, Anthozoa) from the eastern Weddell Sea, Antarctica. VII Simposio Español de Estudios Polares. Granada, (Spain); September, 2006.
- 2006.- López-González PJ\*, **Rodríguez E**. A new symbiotic relationship between sea anemones and isidiid gorgonians (Cnidaria, Anthozoa) in Antarctica. VII Simposio Español de Estudios Polares. Granada (Spain); September 2006.

- 2006.- Gili JM\*, Broglio E, Orejas C, Zabala M, Alvá V, López-González PJ, Ros JD, Filipe P, Teixidó N, Rossi S, Alfonso I, **Rodríguez E**, Isla E, Gasol P, Pages F, Pedros-Alió C, Vert N, Conradi M, Mejina C, Vendrell B, Homs P, Segarra D, Calderer A. Ciencia para todos en la Antártica: un proyecto de divulgación científica basado en las expediciones antárticas en el marco del programa EASIZ-SCAR. VII Simposio Español de Estudios Polares. Granada (Spain); September, 2006.
- 2004.- **Rodríguez E\***, López-González PJ, Gili JM. Recent Studies in Antarctic Sea Anemones. Final Symposium on Ecology of the Antarctic Sea Ice Zone (EASIZ), 2004. Korcula (Croatia); 2004.
- 2003.- **Rodríguez E\***, López-González PJ. *Sagartiogeton antarcticus* Carlgren, 1928: redescription of a deep-sea Antarctic sea anemone, with a discussion on its familiar and generic placement. IBMANT + ANDEEP International Symposium & Workshop, 2003. Ushuaia, Tierra de Fuego, (Argentina); 2003.
- 2002.- **Rodríguez E\***, López-González PJ. A new genus of sea anemone (Anthozoa, Actiniaria) from Antarctica. XII Simposio Ibérico de Estudios del Bentos Marino, 2002. La Línea and Gibraltar (Spain); 2002.
- 2002.- López-González PJ, **Rodríguez E**, Gili JM. Two new sea anemones species (Anthozoa: Actiniaria) from hydrothermal vents. XII Simposio Ibérico de Estudios del Bentos Marino, 2002. La Línea and Gibraltar (Spain); 2002.

#### Published abstracts

- 2011.- **Rodríguez E**, Brugler M, Crowley L, Daly M, Grajales A. Are sea anemones (Cnidaria, Actiniaria) monophyletic? First phylogenetic higher-level classification for the order. *Zitteliana* 30: 43.
- 2011.- Brugler MR, Grajales A, France SC, **Rodríguez E**. A one-two punch: Anthozoans are characterized by extremely low rates of mitochondrial DNA sequence evolution and variable nuclear markers remain elusive. *Zitteliana* 30: 13.
- 2005.- **Rodríguez E**, López-González PJ (2005). *Sagartiogeton antarcticus* Carlgren, 1928: redescription of a deep-sea Antarctic sea anemone, with a discussion on its familiar and generic placement. In: Thatje S., Calcagno J.A. & Arntz W. (eds) "Evolution of Antarctic Fauna. Extended Abstracts of the IBMANT/ANDEEP. International Symposium and Workshop in 2003". *Ber Polarforsch* 507: 178.

#### RESEARCH EXPEDITIONS

- 2024.- "Exploring the Sea Anemones of Colombia: Extending our Knowledge of Tropical Fauna from The Eastern Pacific Ocean and The Southwestern Caribbean Sea". Rosario and San Bernardo Islands, Caribbean Sea (Colombia), from 1<sup>st</sup>-18th April 2024, supported by Constantine S. Niarchos Expeditions Award. Organizer and participant.
- 2023.- "PurSUIt: Finding Nemo's home: systematics and species delimitation of the clownfish-hosting sea anemones". Pacific Ocean (Marshall Islands), from Nov 26<sup>th</sup>-Dec 12th 2023, supported by NSF (Award 1934274 to ER). Organizer and participant.
- 2023.- "Exploring the Sea Anemones of Colombia: Extending our Knowledge of Tropical Fauna from The Eastern Pacific Ocean and The Southwestern Caribbean Sea". Nuqui, Eastern Pacific Ocean (Colombia), from 16<sup>th</sup>-28th October 2023, supported by Constantine S. Niarchos Expeditions Award. Organizer and participant.
- 2023.- "Range extension of Eastern Pacific Ocean sea anemone *Phymactis papillosa*". Atlantic Ocean (Portugal), from July 15-20<sup>th</sup> 2023, supported by AMNH OTPS funds. Organizer and participant.

- 2016.- “ARTS: Integrative Research and Training in Tropical Taxonomy; Sea Anemones (Actiniaria) From Panama”. Caribbean Sea (Panama), from 8<sup>th</sup>-20<sup>th</sup> June 2016, supported by NSF (Award 1456196 to ER). Organizer and participant.
- 2016.- “SO-AntEco”, along South Orkneys Islands (Antarctica), from 23<sup>th</sup> February 2016 to 25<sup>th</sup> March 2016, on board of the R/V James Clark Ross and supported by the BAS (British Antarctic Survey, Cambridge, U.K). Participant.
- 2015.- “ARTS: Integrative Research and Training in Tropical Taxonomy; Sea Anemones (Actiniaria) From Panama”. Caribbean Sea and Easter Pacific Ocean (Panama), from 6<sup>th</sup>-28<sup>th</sup> Oct 2015, supported by NSF (Award 1456196 to ER). Organizer and participant.
- 2010.- “Sea Anemones (Cnidaria, Actiniaria) From the End of the World: First Step, A Taxonomic and Biogeographic Revision”. Southern Ocean (Southern Patagonia), from 5<sup>th</sup> Dec 2010 to 6<sup>th</sup> Jan 2011, supported by the Niarchos Foundation. Organizer and participant.
- 2007.- “Survey of Deep-water benthic Fauna of the north Eastern Pacific Seaboard, Aurora-Quezon”, within the project “Census of Philippine Deep Sea Biodiversity 2007”, along Aurora Province (Philippines), from 15<sup>th</sup> May to 2<sup>nd</sup> Jun 2007, on board M/V-DA-BFAR supported by Smithsonian Natural Museum of Natural History (USA) and Museum National D’Histoire Naturelle Paris (France). Participant.
- 2003.- “ANTARCTIC XXI/2”, along the eastern Weddell Sea, from 17<sup>th</sup> November 2003 to 18<sup>th</sup> January 2004, on board of the R/V Polarstern and supported by the AWI (Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven, Germany). Participant.
- 2002.- “LAMPOS I, ANT XIX/5”, within the “Latin American “Polarstern” Study”, along the Scotia Arc to the Antarctic Peninsula, from 3<sup>rd</sup> April 2002 to 5<sup>th</sup> May 2002, on board of the R/V Polarstern and supported by the AWI (Alfred-Wegener-Institut for Polar and Marine Research, Bremerhaven, Germany). Participant.

#### STAYS IN RESEARCH CENTERS

- 1999- 2006.- Dpto. de Fisiología y Zoología, Facultad de Biología, Universidad de Sevilla, Spain 1999-2006.
- 2002- 2006.- Dpto. Biología Marina y Oceanografía, Instituto de Ciencias del Mar, CMIMA (CSIC), Barcelona, Spain. 2002-2006.
- 2002.- Laboratorio de Biodiversidade Molecular, Departamento de Genetica, Instituto de Biología, Universidade Federal de Rio de Janeiro, Brasil. 08-30/05/2002.
- 2002.- Department of Invertebrate Zoology, Swedish Museum of Natural History (SMNH), Stockholm, Sweden. 26/11/2002-18/12/2002.
- 2003.- Invertebrate Department, Zoological Museum (ZMUC), University of Copenhagen. Denmark. 14-24/01/2003.
- 2004.- Benthic Ecosystems Division, Alfred Wegener Institute for Polar and Marine Research (AWI), Bremerhaven, Germany. 02/2004.
- 2006.- 2009.- Department of Evolution, Ecology and Organismal Biology, Ohio State University, Columbus (Ohio), USA. 08/2006-06/2009.
- 2009.- Division of Invertebrate Zoology, American Museum of Natural History, New York, USA. 07/2009-to present.
- 2015/2016.- Bocas del Toro Research Station, Smithsonian Tropical Research Institute (STRI), Panama. 6-19/10/2015; 5-20/06/2016.
- 2019.- National Institute of Water and Atmospheric Research (NIWA), Wellington, New Zealand. 16-

25/12/2019.

2024.- Instituto de Investigaciones Marinas (INVEMAR), Santa Marta, Colombia. 15-18/April/2024.

### TEACHING EXPERIENCE

2024.- “Taxonomía y Diversidad de Anemonas de Mar (Cnidaria)”. Two-day practical workshop at INVEMAR, Santa Marta, Colombia. 16<sup>th</sup>-17<sup>th</sup> April 2024.

2023.- “Microscopy and Imaging Methods for Comparative Biology”. Elective course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York) (4 credits). Co-instructor, 1 session. Spring 2023.

2020.- “Foundations of classifications”. Course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York) (3 credits). Autumn 2020.

2020.- “Systematics of Symbiosis”. Elective course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York) (1 credit). Co-instructor. Winter 2020.

2019.- “Microscopy and Imaging Methods for Comparative Biology”. Elective course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York) (4 credits). Co-instructor. Fall 2019.

2019.- “Deep-sea anemone identification”. One day workshop at the National Institute of Water and Atmospheric Research (NIWA), Wellington, New Zealand. 18<sup>th</sup> Dec 2019.

2018.- “Foundations of classifications”. Course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York) (3 credits). Spring 2018.

2016.- “Taxonomy and Biology of Sea Anemones (Cnidaria)”. Two-week field course at Bocas del Toro Research Station, Smithsonian Tropical Research Institute (STRI), Panama. 8<sup>th</sup>-20<sup>th</sup> June 2016.

2014.- “Fall Graduate Student Symposium”. Course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York) (1 credit). Fall 2014.

2013.- “Fall Graduate Student Symposium”. Course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York) (1 credit). Fall 2013.

2013-2014.- “Comparative Biology Seminar Series”. Core course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York). (2 credits). Autumn 2013.

2012-2013.- “Comparative Biology Seminar Series”. Core course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York). (2 credits). Spring 2013.

2011-2012.- “Comparative Biology Seminar Series”. Core course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York). (2 credits). Fall 2011.

2011.- “Fall Graduate Student Symposium”. Course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York) (1 credit). Fall 2011.

2010-2011.- “Comparative Biology Seminar Series”. Core course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York). (2 credits). Fall-Spring 2010-11.

2010.- “Fall Graduate Student Symposium”. Course in the Comparative Biology PhD Program at the Richard Gilder Graduate School (AMNH, New York) (1 credit). Fall 2010

2008.- “Anthozoa (Cnidaria): Anatomy and Methods”. Course for biology majors # 881.06 at the Dept. of Evolution, Ecology and Organismal Biology at Ohio State University (2 credits). Winter 2008.

### GRADUATE STUDENTS AND POSTDOCTORAL SCHOLARS ADVISED



- Miranda Gibson (2023-present) PhD candidate in Biological Sciences at Alabama University. External committee advisor.
- Nathan Morgan-Kitch (2022-present) M.A. in Ecology Evolution and Conservation Biology candidate at Department of Ecology, Evolution, and Environmental Biology at Columbia University. Directed Research Supervisor.
- Tommaso Chiodo (2022-present) M.S. candidate in Biological Sciences at Alabama University. External committee advisor.
- Polet Yamaly Barragán Marin (2021-2023) PhD candidate at partner program CUNY Biology program/RGGS. Principal Advisor.
- Adolfo Lara (2018) Ph.D. in Comparative Biology at the Richard Gilder Graduate School (RGGS). Principal advisor.
- Polet Yamaly Barragán Marin (2018) M.S. at Universidad Autónoma de Baja California Sur (México). M.S. Principal Advisor and External Committee Member.
- Luciana Gusmão (2015-2016) Postdoctoral fellow at the AMNH: “Systematics and biogeography of deep-sea anemones from Brazil”. (2016-2018) Postdoctoral fellow at the AMNH: “Systematics and biogeography of deep-sea anemones”.
- Benjamin Titus (2018-2020) Postdoctoral fellow at the AMNH: “Molecular systematics and species delimitation of the clownfish sea anemones: are there really only 10 species?”.
- Madelyne Xiao (2018-2019) Helen Fellow at the AMNH (part of the AMNH program of Fellowships for Higher Education from the Education Dept at AMNH): “Elucidating mitogenomic arrangements in deep-sea black corals”. Co-advisee with Dr. M Brugler.
- Mentored, facilitated and coordinated two RGGS current students (M. Ingala and B. Sulser) in the use of the histology facilities at the AMNH (2017-2019).
- Alejandro Grajales (2013) Ph.D. in Comparative Biology at the Richard Gilder Graduate School (RGGS): “Systematics and taxonomy of the family Aiptasiidae (Hexacorallia: Actiniaria) and population genetics of the species *Aiptasia pallida*.” Principal advisor.
- Rebeca Zapata Guardiola (2014) Ph.D. in Zoology and Ecology at Universidad de Sevilla (Spain): “Diversity and evolution of Antarctic gorgonians (Octocorallia, Primnoidae), distribution, growth and reproductive patterns”. Ph.D. External Committee Member.
- Ricardo Enrique González Muñoz (2014) Ph.D. in “Ciencias del Mar y Limnología” at Universidad Nacional Autónoma de Mexico (UNAM). External advisor; Ph.D. External Committee Member.
- Marisol Mendoza (2013) B.S. in Biology at Benemérita Universidad Autónoma de Puebla, Mexico; B.S. External Committee Member.
- Shaadi F. Pooyaei Mehr (2013) PhD (CUNY/AMNH) in “Molecular evolution of fluorescent proteins”. Ph.D. External Committee Member.
- Luciana Gusmão (2010) Ph.D. in Evolution, Ecology and Organismal Biology at Ohio State University (Columbus, Ohio). PhD. Dissertation external Committee Member.
- Mercer R. Brugler (2011-2014) Postdoctoral fellow at the AMNH: “Developing species level molecular markers for sea anemones”.
- Marcos Barbeitos (2010-2011) Postdoctoral fellow at the AMNH: “phylogenetics of acontiarian sea anemones”.

#### NON-RICHARD GILDER GRADUATE SCHOOL (RGGS) STUDENTS AND FELLOWS TRAINED

*Students trained (undergraduate and graduated)*

- Miranda Gibson (University of Alabama) NSF post baccalaureate fellow. Mentored in sea anemone morphological techniques (1 week, March 2023).
- Sophia Collins (Shepard Preparatory High School, Morristown, NJ). Mentored high school student with learning disabilities on sea anemone research (September 2022 to present).
- PhD. Julia Beneti (Universidade de Sao Paulo (USP) (Brazil). Mentored in sea anemone morphological and molecular phylogenetic methods (1 month, Dec 2016).
- Craig Dawes (undergraduate at NYC College of Technology (CityTech), NY) Research Experience for Undergraduates fellow (REU). Member of underrepresented in STEM (male, African-American). Mentored in sea anemone morphological and molecular phylogenetic methods (summer 2016).
- Aaron Friend (undergraduate at Harvey Mudd College, LA). Research Experience for Undergraduates fellow (REU). Mentored in sea anemone morphological and molecular phylogenetic methods (summer 2016).
- Hosted four CityTech students (Colin Joseph, Juanita Marin, Nicole Bellaflores-Mejia, and Sheila Moaleman). Mentored students with M. Brugler (CityTech, NY) in hexacoral molecular phylogenetic methods (summer 2016).
- Philip Schmiege (undergraduate at Rockefeller University, NY). Mentored with M. Brugler (CityTech, NY) in hexacoral molecular phylogenetic methods (summer 2016).
- Carla DeLaFuente (undergraduate at Eckerd College, FL). Mentored with M. Brugler (CityTech, NY) in hexacoral molecular phylogenetic methods (summer 2016).
- Samantha Goldman (undergraduate at University of Maryland, College Park); Part time Research assistant; mentored with M. Brugler in sea anemone molecular phylogenetic methods for research project (summer 2016).
- P. Yamaly Barragán Marín (M.S. student at Universidad Autónoma de Baja California Sur, México). Mentored in sea anemone morphological and molecular phylogenetic methods (7 months, winter 2016; 3 months, autumn 2018) .
- Robert Laroche (undergraduate at University of Houston), Research Experience for Undergraduates fellow (AMNH Biology REU). Mentored in sea anemone molecular phylogenetic methods (summer 2018).
- Charlotte Benedict (undergraduate at Auburn University) Research Experience for Undergraduates fellow (AMNH Biology REU). Mentored in sea anemone molecular phylogenetic methods (summer 2018).
- Vanessa van Deusen (2018 graduate student at Barnard College of Columbia University, NY). Mentored in sea anemone morphological and molecular phylogenetic methods (June 2018 – May 2019).
- Olivia Harris (undergraduate at Bucknell University, PE). Mentored in sea anemone morphological methods (summer 2018).
- Nathalie Hamilton (M.S. student at Ohio State University, OH). Mentored in sea anemone morphological methods (1 week, Aug 2018).
- Christopher Wells (PhD student at University of Washington, WA) Research Experience for Undergraduates fellow (AMNH Biology REU). Mentored in sea anemone morphological methods (1 week, Sept 2018).
- Hosted 11 undergraduate and five high school students in the Rodriguez AMNH SICG labs with M. Brugler (CityTech, NY). Mentored students in hexacoral molecular phylogenetic methods. Facilitated additional field experience for six of them at four NOAA-funded research cruises (summer 2018).

*Postdoctoral fellows trained*

- Daniel Laretta, Postdoctoral fellow at Museo Argentino de Ciencias Naturales Bernardino Rivadavia (currently assistant professor). Mentored in sea anemone molecular phylogenetic methods (1 month, Aug 2015; 1 month, May 2017).
- Francisco Javier Murillo-Pérez, NSERC Postdoctoral fellow at Bedford Institute of Oceanography (Canada). Mentored in sea anemone morphological methods (10 days, Oct 2018).

## AMNH AND RGGGS SERVICE

### *Fellowships and Search committees*

- Lerner Gray Committee Member (2010-present)
- AAFC Committee Member (2018-2020) (2022-2023)
- Explorer 21/Niarchos review committee (2022, 2023)
- Gerstner Postdoctoral Scholars program in Bioinformatics and Computational Biology Committee Member (2015, 2020, 2022).
- Herpetology Curator position Search Committee Member, Division of Vertebrate Zoology. (Interviews held February 2015).
- Biological Anthropologist Curator Position Search Committee Member, Division of Anthropology. (Interviews held January 2018).
- Entomology Curator position Search Committee Member, Division of Invertebrates. (Interviews held April 2019).
- Marine Invertebrate Curator Position Search Committee Chair, Division of Invertebrates. (Interviews held Feb-March 2022).
- Museum Specialist for Malacology Position Search Chair, Division of Invertebrates. (Interviews held Dec 2022).

### *RGGGS committees*

- Faculty member of RGGGS Comparative Biology Program Progress Committee (CBPPC) (Autumn 2015- Autumn 2016).
- Faculty member of RGGGS Comparative Biology Program Admissions Committee (Jan-Feb 2016)
- Faculty member of the RGGGS CBPPO (Autumn 2016- Autumn 2017).
- Faculty member of RGGGS Comparative Biology Program Admissions Committee (Jan-Feb 2017).
- Faculty member of the RGGGS CBPPO (Autumn 2017- Autumn 2018).
- Faculty member of RGGGS Comparative Biology Program Admissions Committee (Jan-Feb 2018).
- Faculty member of the RGGGS CBPPO (Autumn 2018- Autumn 2019).
- Faculty member of RGGGS Comparative Biology Program Admissions Committee (Jan-Feb 2019).
- Participated in two interviews for the search for RGGGS Administrative Director position (2017).
- Participated in the Gerstner Scholars Annual meeting (May 2018).

### *Senate committees*

- Vice-president of Senate (2016-2018)
- EXCOMM Committee Member (2016-2018) (2022-present)
- Library Committee Member (2016-2018)
- Collections Committee Member (2015-2022)

- Development, Diversity and Equity (DDE) (2017-present)
- Dive Committee (2022-23)
- A&P Committee member (replacement for N. Simons for meeting May 2016)
- A&P Committee member (replacement of E. Kim for meeting Dec 2018)

*Other committees and AMNH service*

- Gilder Core Collections Advisory Group Member (2018)
- Advisory Arclife Committee Member (2017- 2019)
- Advisory Arclife morphology ad hoc Committee Member (2017- 2018)

**PROFESSIONAL SERVICE, AMNH AND PUBLIC OUTREACH**

*Professional service*

- Reviewer of manuscripts for peer-reviewed journals (only last five years noted): GENE (03/2017), Invertebrate Biology (03/2016; 05/2023), Journal of the Marine Biological association of the United Kingdom (07/2017; 05/2023), Marine Biodiversity (7/2019; 11/2021), Marine Biodiversity Records (07/2015), Molecular Phylogenetics and Evolution (09/2015; 02/2017), Systematics and Biodiversity (03/2017; 11/2017), Zoomorphology (02/2017; 03/2021), Zootaxa (02/2018; 02/2021; 04/2023), Aquatic Biology (7/2019), Invertebrate Zoology (7/2019), Latin American Journal (9/2019); Pacific Science (11/2019), Bioinvasions records (3/2020), Contributions to Zoology (5/2020), Frontiers (8/2020); Ciencia Hoy (07/2021); Plankton and Benthos Research (7/2021); Deep-sea Research part I (Aug 2021); Zoological Science (1/2022).
- External member of Evaluation Committee for promotion of tenure-track faculty (Dr. S. van der Meij) at Faculty of Science and Engineering of the University of Groningen, The Netherlands (Nov 2023).
- World List of Actinaria (WoRMS) Chief Editor. June 2022-present (<https://www.marinespecies.org/actinaria> on 2022-09-21. doi:10.14284/568)
- World register Of Marine Species (WoRMS) editor for Actinaria (Cnidaria, Anthozoa). September 2020-present.
- Grant proposal reviewer for NSF CAREER Program (NSF-20525) (October 2021).
- Grant proposal reviewer for King Abdullah University of Science and Technology, South Arabia (KAUST) (Aug 2018).
- Served as external member of the Evaluation Committee for a tenure-track faculty position at University Museum of Bergen, Norway (Nov 2017).
- National Science Foundation Panel service (Antarctic Organisms and Ecosystems Program, 2017; Antarctic sciences).
- NSF Panel service (Panelist for Doctoral Dissertation Improvement Grants [DDIG], Feb 2010).
- Judge of student presentations, Society for Integrative and Comparative Biology (Division of Evolutionary Biology). Jan 2010.
- Occasional reviewer for research grants: NSF (Antarctic Sciences Program, 2014); Fondo para la Investigación Científica y Tecnológica FONCYT (Argentina) (2007; 2008; 2009, 2015).

*AMNH and public outreach*

- Live Radio interview for 1010 WINS to cover the immortal jellyfish recent research. Sept 7th, 2022

- Featured interview about Antarctic sea anemone research of E. Rodríguez in the New York Times article “The New Captain of the Endurance Shipwreck Is an Anemone” about the discovery of the R/V Endurance (March 2022). Available at [https://www.nytimes.com/2022/03/11/science/endurance-ship-ernest-shackleton.html?unlocked\\_article\\_code=AAAAAAAAAAAAAAAAACEIPuomT1JKd6J17Vw1cRCfTTMQmgxCdw\\_Plxftm3iWka3DODm8biP8eAoWG8EqKaXvesE62T-WAcRBMadqSeZ0w\\_RDeldtQgKrppaYn5JDlzkwrcj7eFIK6K\\_3fOJy9y72PC7-If1jxba7slXbPGXvUaOL2WlycV5lvZc0JIC1inMKx7OTEuBwitZ7jf91A8hqVHxXMnnxyvrvDRV8OdyNbQiNqVVIHrEEBkyA2IKU-LkCcw5NCFjZT3oZ4G006dNUOtt\\_L7-oZld7O5K42eNNfzQueIS5BJQxRJzWkgFpudPPqh-OwMm3x5YmBfQtkbht\\_IO-NAFuSDoEQCM&smid=em-share](https://www.nytimes.com/2022/03/11/science/endurance-ship-ernest-shackleton.html?unlocked_article_code=AAAAAAAAAAAAAAAAACEIPuomT1JKd6J17Vw1cRCfTTMQmgxCdw_Plxftm3iWka3DODm8biP8eAoWG8EqKaXvesE62T-WAcRBMadqSeZ0w_RDeldtQgKrppaYn5JDlzkwrcj7eFIK6K_3fOJy9y72PC7-If1jxba7slXbPGXvUaOL2WlycV5lvZc0JIC1inMKx7OTEuBwitZ7jf91A8hqVHxXMnnxyvrvDRV8OdyNbQiNqVVIHrEEBkyA2IKU-LkCcw5NCFjZT3oZ4G006dNUOtt_L7-oZld7O5K42eNNfzQueIS5BJQxRJzWkgFpudPPqh-OwMm3x5YmBfQtkbht_IO-NAFuSDoEQCM&smid=em-share)
- “Could a “Dune” Sandworm exist in Real Life?” Participation in a short watch NOVA PBS documentary (Nov 2021). Available at <https://www.pbs.org/wgbh/nova/video/dune-sandworm-exist/> and YouTube.
- Featured interview within “School Days Influences: A career at the Museum” for the “The Elective Magazine” (March 2021). <https://elective.collegeboard.org/school-days-influences-career-american-museum-natural-history>
- “Evolution and diversity of sea anemones”; Guest lecture for the AMNH volunteer department (Jan 2021)
- Guest judge scientist for the AMNH Ology Challenge public program: Make a Marine Ecosystem Diorama. Sept 2020. <https://www.amnh.org/explore/ology/challenge/make-a-marine-ecosystem-diorama-challenge-winners>
- “Life in the Coral Reef” Guest lecture within the AMNH online live public program Scientists at Home. Aug 2020. (<https://www.facebook.com/naturalhistory/videos/scientists-at-home-life-in-the-coral-reef/395199171458469/>)
- “Hack the deep: Stinger inspector”. Development of a challenge related to sea anemones for the AMNH program “Hackathon-Hack the deep” as part of the AMNH BridgeUP:STEM hackathon. Feb 2018. (<https://www.amnh.org/learn-teach/adults/bridgeup-stem/hackathon-hack-the-deep/>)
- Leader of *Behind the scenes* tour of Marine Invertebrate collections for pre-k school Hastings Nursery School (NY). Attendance: 12 pre-k students (4-5 years old) and 15 accompanying adults. Students had a follow up event in which they made an exhibit in the school about invertebrates made based on their guide-visit to the collections. Feb 2018.
- Participated in open discussion and led the *Behind the Scenes Tour for Unseen Oceans* Press preview at the AMNH (March 2018).
- Guest presenter at AMNH Special Event “Ocean luminaries” (March 2018) (<https://www.amnh.org/learn-teach/adults/lectures-and-special-events/ocean-luminaries/>).
- Featured profile interview for “People Who made NY Special” for the New York arts and entertainment website “What Should we Do?” (April 2018).
- Guest to the Chairman’s Circle Dinner and participant in casual conversation on “changing oceans” (May 2018).
- Organized, led and presented guided school visit to the AMNH including guided tour through the Hall of Oceans and show-&-tell presentation “the NJ/NY sea shores”. Attendance: 92 2<sup>nd</sup> Grade students (7-8 years old) and 21 adults of the Whittier Elementary Public School (Teaneck, NJ), which demographics include over 70% of minority students (e.g. Hispanic or African-American) (March 2017).
- “Dry Corals Offer Snapshots of Oceans Past”: Development of an AMNH blog about the Dry Coral collection at the Invertebrate Division of the AMNH (<https://www.amnh.org/explore/news-blogs/from-the-collections-posts/dry-corals-offer-snapshots-of-oceans-past/>) (Sept 2017).
- Presented “Amazing anemones” at the AMNH afterhours event *SciCafe* (Jan 2016). Talk featured at the AMNH YouTube channel (<https://www.youtube.com/watch?v=Pb14lp55cnc>)

- Collaborated with the AMNH Department of Communications to develop an article featuring my recent work off the coast of Antarctica in *Rotunda* (AMNH member Magazine, summer 2016 issue)
- Developed and presented guest lecture for the AMNH Teachers Professional Development Program; attended by 41 teachers at the MidWinter Institute (which serves to provide professional learning opportunities to schools in their efforts to identify and develop a STEM focused approach to learning supporting student achievement) (Feb 2016).
- Guest scientist in “*Wild Antarctica*” (AMNH Milstein Science Series Program) (April 2016).
- *AMNH-tv: curators profile*. Video of E. Rodriguez for the general public about her research on hexacorals at the AMNH ([http://www.amnh.org/explore/amnh.tv/\(watch\)/meet-the-scientists/profile-estefania-rodriguez](http://www.amnh.org/explore/amnh.tv/(watch)/meet-the-scientists/profile-estefania-rodriguez)) (May 2015).
- Developed several research project websites and blogs (e.g. <http://anthozoanuces.weebly.com/>; <https://bocasarts.weebly.com/>). 2015.
- Special guest in the “*Under the Sea Radio Show*” (June 2014).
- Scientist guest at “*Science at Work Tour and Luncheon*” at the AMNH (May 2011).
- “Guest Scientist” lectures in *Lang Science Program* in the AMNH Education Department (Aug 2010), *Science and Nature Program Class* (April 2011), and *Discovery Room “Meet a scientist” Program* (April 2012).
- “*Behind the Scenes Tour*” for Trustees at the American Museum of Natural History (May 2010).
- Development of stories for Scholastic Magazines (e.g. Science World magazine and SuperScience magazine).
- “OSU Museum Open House” (Ohio State University, Columbus, Ohio); participated in annual public event attended by ~1000 people (2007, 2008).

#### OTHERS

- Member of the Research Team RMN-331 “Biodiversidad y Ecología de Invertebrados Marinos (BEIM)”, Dpto. de Fisiología y Zoología, Facultad de Biología, Universidad de Sevilla, Spain.
- AAUS Scientific Diver (under the American Museum of Natural History Diving Program).
- Sport Diver CMAS/\*; PADI Open Water Advanced; Rescue Diver.