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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.

1994- 1999.- B.S. Biology, Universidad de Sevilla (Spain).

PROFESIONAL POSITIONS AND APPOINTMENTS

2015 to present.- Associate Curator of Marine Invertebrates, American Museum of Natural History (AMNH). March 2015

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 & AWARDS

2002- 2005.- PhD Fellowship: MCT-CSIC (I3P-BPD2001-1). Jan 2002- Dec 2005.

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.

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.

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.

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.

- 2008.- Lerner-Gray Fund for Marine Research Award. American Museum of Natural History, New York (USA). May 2008.
- 2008.- Ph.D. Thesis award: "Premio Extraordinario de Doctorado de la Universidad de Sevilla curso 2006/2007". Dec 2008.
- 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.
- 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.
- 2012.- NSF 1238406, "Training High School Students in Evolutionary Biology along-side REU Interns". (NSF 11-1, DBI-Human Resources grant).
- 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).
- 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.

RESEARCH EXPERIENCE

Fieldwork: Participated in collection, preservation, and accession of tissue and specimens of benthic Cnidaria in three Antarctic and one tropical cruise (specified below) using different trawls; organized and participated in collecting marine invertebrates by Scuba diving (South Africa, Patagonia and Panama).

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 museums (SMNH, ZMUC, and USNM). Curated and managed the collection of marine invertebrates as Assistant and Associate Curator at the AMNH.

LANGUAGES

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

PUBLICATIONS

Peer-review articles

- Dueñas LF, Cedeño-Posso C, Grajales A, Herrera S, **Rodríguez E**, Sánchez JA, Leon J, Puentes V. First visual occurrence data for deep-sea cnidarians in the South-western Colombian Caribbean. Biodiversity Data Journal (submitted).
- Gusmão LC, Berniker L, Van Deusen V, Harris O, **Rodríguez E**. Halcampulactidae (Actiniaria, Actinostoloidea), a new family of burrowing sea anemones with external brooding from Antarctica". Polar Biology (submitted).
- Grajales A, **Rodríguez E**. Case 3790: Review of decision on case 3633: *Dysactis pallida* Agassiz in Verrill, 1864 (currently *Exaiptasia 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 (submitted).

- Jiang J., Quattrini A. M., Francis WR, Ryan JF, **Rodríguez E**, McFadden CS. A Hybrid de novo Assembly of the Sea Pansy (*Renilla muelleri*) genome. Gigascience (submitted).

- 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.

- 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. doi.org/10.1080/14888386.2018.1468821.

- 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, doi: 10.1111/zsc.12309.

- Barragán Y, Sánchez C, Hooker Y, **Rodríguez E**. First inventory of sea anemones (Cnidaria: Actiniaria) from La Paz Bay, Southern Gulf of California (Mexico)". Zootaxa **(in press)**.

- 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.

- 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.

- 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.

- 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, doi 10.7717/peerj.3235.

- 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, http://dx.doi.org/10.1016/j.gdata.2016.11.022

- 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.

- Grajales A, **Rodríguez E (2015)** Elucidating diversity within the Aiptasiidae, a widespread cnidarian-dinoflagellate model system (Cnidaria: Anthozoa: Actiniaria: Metridioidea). Mol Phylogen Evol 94(A):252-263. doi: 10.1016/j.ympev. 2015.09.004.

- 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

- 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.
 - 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.
 - 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.
 - **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
 - 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.
 - Grajales A, **Rodríguez E (2014)** Morphological revision of the genus *Aiptasia* and the family Aiptasiidae (Cnidaria, Actiniaria, Metridioidea). Zootaxa 3826(1), 055–100.
 - **Rodríguez E**, Barbeitos M, Brugler MR, Crowley L, Gusmão L, 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.
- Article featured in several major news media outlets including: NBC news, IFL Science, Fox news, USA today.*
- 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.
 - 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
 - Loretta 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.
 - **Rodríguez E**, Mendoza M, Häussermann V (2013) New records and redescription of *Halcurias pilatus* McMurrich, 1893 and *Halcurias mcmurrichi* Uchida, 2004 (Actiniaria, Endocoelanthaeae). J Mar Biol Ass UK 93(8): 2089-2100. DOI:10.1017/S0025315413000775.
 - **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.
 - **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**).

- 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.
- **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.
- **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
- **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).
- Laretta D, **Rodríguez E**, Penchaszadeh PE (2011). A new vermiform sea anemone (Cnidaria: Anthozoa) from Argentina: *Harenactis argentina* sp. nov. *Zootaxa* 3027: 9-18.
- **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.
- 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.
- **Rodríguez E**, López-González PJ, Daly M (2009) New family of sea anemones (Actiniaria, Acontaria) from deep polar seas. *Polar Biol* 32: 703-717. DOI: 10.1007/s00300-008-0575-0.
- 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.
- **Rodríguez E**, López-González PJ (2008) The symbiotic sea anemone genus *Isoicyon* 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.
- Daly M, Chaudhuri A, Gusmão L, **Rodríguez E** (2008) Phylogenetic relationships among sea anemones (Cnidaria: Anthozoa: Actiniaria). *Mol Phyl Evol* 48: 292-301.
- **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.
- **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.
- 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.
- 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.

- **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.
- 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.
- 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**, 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.
- 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.
- 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.
- **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.
- **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.
- **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

- **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.
- **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.

PRESENTATIONS

Oral presentations (*speaker/ presenter; students underlined)

- 2018.- **Rodríguez E**. “Evolution and diversity of sea anémones (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 Anémones through X-rays: Microcomputed tomography (μ 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 anémones (Cnidaria: Actiniaria)”. Puffin Educational Forum, guest lecture. Puffin Foundation, New Jersey, USA; October, 2016.
- 2016.- Quattrini A*, **Rodríguez E**, Faircolth BC, McFadden CS. Phylogenomics of Anthozoa (Cnidaria): new approaches to long-standing problems. 6th 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.- Foxx 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)

- 2018.-** Barragán Y*, Laurretta 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. 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. 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. Integrative and Comparative Biology, New Orleans (LA, USA), January, 2017.
- 2016.- Gusmão L, **Rodríguez E**. Systematics of Venus Fly Trap sea anemones (Cnidaria: Actiniaria). 6th 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

- 2016.- "SO-AntEco", along South Orkneys Islands (Antarctica), from 23th February 2016 to 25th 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". Panama, from 6th-28th 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 Patagonia, from 5th Dec 2010 to 6th 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 15th May to 2nd 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 17th November 2003 to 18th January 2004, on board of the R/V Polarstern and supported by the AWI (Alfred-Wegener-Institut 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 3rd April 2002 to 5th 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. 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.

TEACHING EXPERIENCE

- 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)". Bocas del Toro Research Station, Smithsonian Tropical Research Institute (STRI), Panama. 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

- 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.
- Adolfo Lara (2018) PhD 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). Principal Advisor and External Committee Member.
- 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). Ph.D. Dissertation external Committee Member.
- Mercer R. Brugler (2011-2014) Postdoctoral fellow at the AMNH: “Developing species level molecular markers for sea anemones”.
- 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?”.

PROFESSIONAL SERVICE AND PUBLIC OUTREACH

- NSF Panel service (Panelist for Doctoral Dissertation Improvement Grants [DDIG], Feb 2010).
- Occasional reviewer for articles in: *Hydrobiologia* (2003), *Scientia Marina* (2004), *Marine Biology Research* (2005, 2008, 2011), *Journal of Natural History* (2005), *Journal of the Marine Biological Association* (2008, 2014, 2015, 2017), *Proceedings of the Royal Society Biological Sciences* (2008), *Micronesica* (01/2009), *Zootaxa* (2009, 2010, 2013, 2017, 2018), *Zoologica Scripta* (2009), *Molecular Ecology* (2010), *Global Change Biology* (2010), *Biological Bulletin* (2011), *Contributions to Zoology* (2011), *Marine Drugs* (2011), *Bulletin of Marine Biology* (2012), *Bulletin of Marine Science* (2012), *Zoological Institute of Russian Academy of Sciences* (2013), *Polar Biology* (2012), *Invertebrate Biology* (2015, 16), *Systematics and Biodiversity* (2017).
- Judge of student presentations, Society for Integrative and Comparative Biology (Division of Evolutionary Biology) 2010.
- Occasional reviewer for research grants: NSF (Antarctic Sciences Program, 2014, 2017); Fondo para la Investigacion Cientifica y Tecnologica FONCYT (Argentina) (2007; 2008; 2009, 2015).
- “OSU Museum Open House” (Ohio State University, Columbus, Ohio); participated in annual public event attended by ~1000 people (2007, 2008).
- “*Behind the Scenes Tour*” for Trustees at the American Museum of Natural History (May 2010).
- “*Science at Work Tour and Luncheon*” at the American Museum of Natural History (May 2011).
- Development of stories for Scholastic Magazines (Science World magazine and SuperScience magazine).
- “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).
- Special guest in the “*Under the Sea Radio Show*” (June 2014).

- Presented “Amazing anemones” at the AMNH afterhours event *SciCafe* (Jan 2016). Talk featured at the AMNH You Tube channel: <https://www.youtube.com/watch?v=Pb14lp55cnc>
- Guest scientist in “*Wild Antarctica*” (AMNH Milstein Science series program) (April 2016).
- “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/>) (**September 2017**)
- “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 (<https://www.amnh.org/learn-teach/adults/bridgeup-stem/hackathon-hack-the-deep/>) (**February 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**).

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).
- Sport Diver CMAS/*; PADI Open Water Advanced.