

## CURRICULUM VITAE

### NIKOLAOS V. SCHIZAS

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#### **Current Positions**

2008 - present, Professor, University of Puerto Rico, Mayagüez

2011 – present, Adjunct Professor, Department of Fisheries Oceanography, Univ of Massachusetts Dartmouth

#### **Professional Preparation**

2003-2008, Associate Professor, University of Puerto Rico, Mayagüez

1999-2002 DOE/SLOAN Postdoctoral Fellow, Univ of Chicago and Field Museum of Natural History

1999 Ph.D. Biological Sciences, University of South Carolina. Dissertation title: Ecological genetics of a marine copepod inhabiting clean and contaminated intertidal mudflats

1995 M.S. Fisheries, University of Alaska Fairbanks

1991 B.S. Biological Sciences, University of Illinois at Chicago

#### **Funding**

2019

Microbiome and population dynamics in SCTL D infected corals in Puerto Rico. RAPID-NSF: (PI – E Weil; co-PIs NV Schizas, JJ Cruz-Motta)

2018

Investigating the use of eDNA sampling to locate fish spawning aggregations. NMFS - Saltonstall-Kennedy Grant Program. (PI - C Harms-Tuohy; co-PIs NV Schizas, R Appeldoorn, E Tuhoy)

The effects of Hurricane Maria on the mesophotic reefs of Puerto Rico. RAPID-NSF. (PI – NV Schizas; co-PIs JJ Cruz-Motta, C Sherman, W Schmidt, E Weil)

2017

Society of Systematic Biologists Mini-ARTS Grant. PI Schizas. Taxonomy of mesophotic harpacticoid copepods and other crustaceans

2016

The Dongsha Atoll Research Award to conduct fieldwork at Dongsha Atoll, Taiwan related to the population genomics of massive *Porites* spp. corals. (PI – Schizas, Co-PI Hans U. Dahms)

2015

Sustainability and recovery of groupers in Puerto Rico and the US Virgin Islands. NOAA-NMFS. (2016-2018)  
Ruiz, HJ, MT Schärer, RS Nemeth, RS Appeldoorn, Co-PI NV Schizas.

2014

Connectivity between shallow and mesophotic ecosystems in Puerto Rico and the US Virgin Islands: using corals and commensal fauna” PI Schizas, Co-PI Alfaro, SeaGrant (2014-2016)

Genetic structure and diversity of bottlenose dolphin, *Tursiops truncatus*, off Puerto Rico” PI Rodriguez, Co-PI Appeldoorn, Co-PI Schizas, SeaGrant (2014-2016)

Using phylotranscriptomics to resolve a 350 year old debate in the evolution of Caribbean fire corals. Seed Money College of Arts & Sciences (UPRM). (PI – Schizas)

2012

Linking microbial diversity to coral reef resilience and biodiversity under environmental change: a metagenomics and remote sensing approach. Seed Money College of Arts & Sciences (UPRM). (PI – Schizas)

2011

Dormancy regulation in space: Genetic Evidence from Copepod Diapause Embryos. PR-NASA Space Grant (PI – Schizas)

Nuclear phylogeny of the caridean shrimp genus *Lysmata*. Seed Money College of Arts & Sciences (UPRM). (PI – Schizas)

2010

Genetic Diversity of the Caribbean mesophotic coral *Agaricia lamarcki* and its endosymbiont (*Symbiodinium* spp.) Seed Money College of Arts & Sciences (UPRM). (PI – Schizas)

2008

BRC: A New Infrastructure for Invertebrate Biodiversity Research in Puerto Rico. NSF. Franz N (PI), Santos C (Co-PI), NV Schizas (Co-PI)

2007

Multigene phylogeny of the caridean shrimp genus *Lysmata*. Seed Money College of Arts & Sciences (UPRM). (PI – Schizas)

2006

Ecology, Integrity & Status of Deep Caribbean Coral Reefs. NOAA (Co-PI with 7 other colleagues from UPRM)

Development of microsatellite DNA markers for the hermatypic corals *Acropora cervicornis* and *A. palmata* and the gorgonian *Plexaura flexuosa*. Seed Money Sea Grant (UPRM), (PI – Schizas NV, Garcia J, Prada C)

2005

Population genetics of *Acropora cervicornis* and *A. palmata* NURP/NCRCF. (PI – Schizas)

2004

The extent of clonality in selected species of hermatypic corals in Puerto Rico. NOAA-CCRI (PI – Schizas)

The population genetic structure of copepods and nematodes associated with mangroves (*Rhizophora mangle*). Research & Development Seed Money (UPRM), (PI – Schizas)

Cellular, mitochondrial and microarray probes as tools for toxicity assessment in the flat tree oyster *Isognomon alatus*. Seed Money Sea Grant (UPRM), (PI – Schizas)

2003

The population genetic structure of meiobenthic taxa inhabiting epibiont algae on Caribbean mangroves. Research Initiation Grant PR-NSF Epscor, (PI – Schizas)

A multi-gene phylogeny of copepods to facilitate comparative study of evolution parasitism. Seed Money College of Arts & Sciences (UPRM). (PI – Schizas)

### **Research Interests**

Marine biodiversity, Molecular evolution of marine invertebrates, Copepod taxonomy and phylogenetics

### **Teaching Experience (19 years)**

DNA data analysis of Marine Organisms, Systematics of Marine Invertebrates, Biological Oceanography

### **Course Experience**

12) Speciation-Based Delimitation Workshop, Univ of Michigan, March 13, 2020

11) Conservation Genetics in the Tropics, Biological Reserve of Donana, Spain, Jan 26- Feb 1, 2020

10) eDNA Metabarcoding Workshop, Laval University, Quebec, 19th-23rd November, 2018

9) NCGAS Spring Workshop on de Novo Transcriptome Assembly, Bloomington, IN, April 31-May1, 2018

8) IGS Metagenome Analysis Workshop-Baltimore, Maryland, March 3-6, 2015

7) Genome-wide SNP genotyping with 2bRAD, Wrigley Marine Center, Catalina Island, CA, August 23-31, 2014

6) Workshop on Next-generation sequencing for phylogenetics and phylogeography, June 3-9, 2013  
National Evolutionary Synthesis Center (NESCent), Durham, NC

5) Workshop on Genes and Genomes with Ion Torrent™ Personal Genome Machine, Mayagüez, Puerto Rico, October 22-26, 2012

4) Workshop on Comparative Genomics, Cesky Krumlov, Czech Republic, January 9-21, 2011

3) Recent Advances in Conservation Genetics, Smithsonian Tropical Research Institute, Panama 2009

2) Statistical Genetics, Raleigh, NC 1997

1) Workshop on Molecular Evolution, Woods Hole, MA 1996

### **Services**

2008-present Contributor Editor - Aquatic Biology

NSF panelist (2014, 2017), NOAA panelist (2018)

Reviewer for PLoSOne, Mitochondrial DNA Part B: Resources, Aquaculture Research, Marine Ecology Progress Series, Marine Biology, Bulletin for Marine Science, BMC Evolutionary Biology, Journal of Experimental Marine Biology and Ecology, Journal of Crustacean Biology, Caribbean Journal of Science, Vie

et Milieu, Proceedings of the Biological Society of Washington, Micron, Zoological Studies, Journal of Marine Biological Marine Association U.K., PeerJ, J Heredity, Coral Reefs, Zootaxa, Frontiers in Marine Science

Ad-hoc reviewer for NOAA, NMFS, NSF, Fundação para a Ciência e a Tecnologia, I.P. (FCT) – Portuguese public funding agency for R&D, The Lewis and Clark Fund for Exploration and Field Research.

External reviewer of 2 PhD Dissertations and 1 MS Thesis (University of New South Wales, Australia, Universidad de los Andes – Colombia).

### Synergistic Activities

- Mentor for the NSF funded “Puerto Rico Louis Stokes Alliance for Minority Participation (PR-LSAMP). This project supports small stipends for university undergraduate students to assist with sample and data processing while under the mentorship of Dr. Schizas. Five students have been funded through PR-LSAMP to work in Schizas Lab.
- Co-organizer of the Society of Molecular and Biological Evolution (SMBE) meeting, Puerto Rico, June 2014
- Co-founder of the Caribbean Genome Center, Univ of Puerto Rico Mayaguez

### Publications (All pdf reprints available at [www.schizaslab.com](http://www.schizaslab.com)). (Asterisks denote publications with students as first authors)

Schizas NV, H-U Dahms, P Kangtia, A Galindo Estronza. PHC Corgosinho (2022) Comment on Bang et al.

Two New Species of the Genus *Longipedia* Claus, 1863 (Copepoda: Harpacticoida: Longipediidae) from Korea, with an Update and a Key to Species. *Diversity*, 2021, 13, 590. *Diversity*

Appeldoorn RS, DL Ballantine, M Carlo, JJC Motta, M Nemeth, HJ Ruiz, NV Schizas, CE Sherman, E Weil, PM Yoshioka (2021). Intra-annual Variation in Mesophotic Benthic Assemblages on the Insular Slope of Southwest Puerto Rico as a Function of Depth and Geomorphology. *Frontiers in Marine Science* <https://doi.org/10.3389/fmars.2021.732926>

\*García-Hernández JE, E Tuohy, D Toledo, C Sherman, NV Schizas, E Weil (2021). Detrimental conditions affecting *Xestospongia muta* across shallow and upper-mesophotic coral reefs off the southwest coast of Puerto Rico. *Diseases of Aquatic Organisms* DOI: <https://doi.org/10.3354/dao03633>

\*Ortiz-Gonzalez IC, RE Rivera-Vicens, NV Schizas (2021) Description of four *Millepora* spp. transcriptomes and their potential to delimit the Caribbean fire coral species. *Marine Genomics* <https://doi.org/10.1016/j.margen.2021.100863>

\*García-Hernández JE, NV Schizas (2021) Who are you? The “anemone shrimp” *Periclimenes rathbunae* perched on the stony coral *Mussa angulosa* in Puerto Rico. 51, 25. <https://doi.org/10.1007/s12526-021-01171-2>

\*Veglia AJ, Milford CR, NV Schizas (2021) Isolation and genotyping of novel T4 cyanophages associated with diverse coral reef invertebrates. *Coral Reefs* <https://doi.org/10.1007/s00338-021-02056-3>

\*Hammerman NM, SM Williams, AJ Veglia, JE García-Hernández, JC Lang and NV Schizas (2021) *Cladopsammia manuelensis* sensu Cairns, 2000 (Order: Scleractinia): A new distribution record for Hispaniola and Puerto Rico. *Cahiers de Biologie Marine* 62:1-10.

\*González-García M del Pilar, NV Schizas, MV Concepción-Torres, and CE Diez (2021) *Lepidochelys olivacea* in Puerto Rico: Occurrence and Confirmed Nesting. *Marine Turtle Newsletter* No. 162: 13-17

Pesic V, T Chatterjee, M, NV Schizas (2020) A new marine mite of the genus *Litarachna* Walter, 1925 from Guadeloupe, Caribbean Sea (Acari, Hydrachnidia, Pontarachnidae). *Ecologica Montenegrina* 38: 205-209

- \*Rodríguez-Ferrer G, JJ Cruz-Motta, NV Schizas, RS Appeldoorn (2020) Modelling distribution of the common bottlenose dolphin, *Tursiops truncatus* off the southwest coast of Puerto Rico. *Journal of Marine Systems* DOI: 10.1016/j.jmarsys.2020.103371
- Nieves-Rivera ÁM, JP Zegarra Vila, CE Figuerola Hernández, JE García Hernández and NV Schizas (2020) New Faunal Records and Recent Explorations of the Underwater Section of Cueva del Agua, Punta Los Ingleses, Mona Island (Puerto Rico). *Life: The Excitement of Biology* 8(1) DOI: 10.9784/LEB8(1)NievesRivera.01
- Chatterjee T, Dovgal I, NV Schizas (2020). Report of epibiont ciliates (Ciliophora) on harpacticoid copepods from Caribbean mesophotic reefs. *Cah. Biol. Mar.* 61: 131-136.
- Boisnoir A, Pavaux A-S, NV Schizas, S Marro, T Blasco, R Lemée, P-Y Pascal (2020). The use of stable isotopes to measure the ingestion rate of potentially toxic benthic dinoflagellates by harpacticoid copepods. *Journal of Experimental Marine Biology and Ecology* 524: 151285
- Hadfield KA, NV Schizas, Tapas Chatterjee, NJ Smit (2019) A new gnathiid, *Gnathia bermudensis* sp. n. (Crustacea, Isopoda, Gnathiidae), from the mesophotic reefs of Bermuda, with a key to the *Gnathia* spp. from the Greater Caribbean biogeographic region. *Zookeys* 891: 1–16. <https://doi.org/10.3897/zookeys.891.39564>
- \*Rivera-García L, R Rivera-Vicéns, A Veglia, NV Schizas (2019) De novo transcriptome assembly of the digitate morphotype of *Briareum asbestinum* (Octocorallia: Alcyonacea) from the southwest shelf of Puerto Rico. *Marine Genomics* <https://doi.org/10.1016/j.margen.2019.04.001>
- Pesic V, T Chatterjee, M, NV Schizas (2019). A Checklist of Pontarachnidae (Acari: Hydrachnidia) and notes on distributional patterns of the species. *Zootaxa* 4619 (3): 527–544
- Appeldoorn RS, Alfaro M, Ballantine DL, Bejarano I, Ruíz HJ, Schizas NV, Schmidt WE, Sherman CE, Weil E. 2019. Puerto Rico. In: Loya Y, Puglise KA, Bridge TCL. (eds) *Mesophotic Coral Ecosystems of the World*. Springer Amsterdam.
- Goulet TL, MQ Lucas, NV Schizas (2019). Symbiodiniaceae Genetic Diversity and Symbioses with Hosts from Shallow to Mesophotic Coral Ecosystems. In: Loya Y, Puglise KA, Bridge TCL (eds) *Mesophotic Coral Ecosystems of the World*. Springer Amsterdam <https://doi.org/10.1016/j.oceano.2018.11.002>
- \*García-Hernández JE, Hammerman NM, Cruz-Motta JJ, Schizas NV (2019). Endobiotic fauna inhabiting the calcareous sponge *Clathrina* sp. in southwest Puerto Rico. *Caribbean Journal of Science* 49: 239-254
- \*Veglia A, Hammerman NM, Rivera-Vicéns RE, NV Schizas. (2018) De novo transcriptome assembly of the coral *Agaricia lamarcki* (Lamarck's sheet coral) from mesophotic depths in southwest Puerto Rico. *Marine Genomics*. <https://doi.org/10.1016/j.margen.2018.08.003>
- Schizas NV (2018) Hurricane Maria and its Impact on the Zoological and Botanical Collections of the University of Puerto Rico. *Biodiversity Information Science and Standards* 2: e26014 doi: 10.3897/biss.2.26014
- \*García-Hernández JE, Sanchez PJ, Hammerman NM, Schizas NV (2018). Fish, coral, and sponge assemblages associated with altiphotic and mesophotic reefs along the Guanica Biosphere Reserve continental shelf edge, southwest Puerto Rico. *Frontiers in Marine Science* doi: 10.3389/fmars.2018.00303
- \*Veglia A, Hammerman NM, Rivera Rosaly CR, Lucas M, Galindo Estronza A, Corgosinho PH, and NV Schizas (2018). Characterizing population structure of coral-associated fauna from mesophotic and shallow habitats in the Caribbean. *Journal of the Marine Biological Association of the United Kingdom*. doi:10.1017/S0025315418000413
- Dahms H-U, NV Schizas, RA James, L Wang, J-S Hwang (2018). Marine hydrothermal vents as templates for global change scenarios. *Hydrobiologia* 818: 1–10 <https://doi.org/10.1007/s10750-018-3598-8>
- Corgosinho P, TC Kihara, NV Schizas, A Ostmann, P Martínez Arbizu, S Ivanenko (2018). Traditional and confocal descriptions of a new genus and two new species of deep water Cerviniinae Sars, 1903 (Copepoda, Harpacticoida, Aegisthidae) from the Southern Atlantic and the Norwegian Sea: with a

- discussion on the use of digital media in taxonomy. *ZooKeys* 13:(766):1-38. doi: 10.3897/zookeys.766.23899. eCollection 2018.
- \*Hammerman NM, RE Rivera-Vicens\*, MP Galaska, E Weil, RS Appeldoorn, M Alfaro, NV Schizas (2017). Population connectivity of the plating coral, *Agaricia lamarcki* from southwest Puerto Rico. *Coral Reefs* DOI: 10.1007/s00338-017-1646-x
- Corgosinho PHC, Schizas NV, Previattelli D, Falavigna da Rocha CE, Edinaldo Nelson dos Santos-Silva (2017). A new genus of Parastenocarididae (Copepoda, Harpacticoida) from the Tocantins River basin (Goiás, Brazil), and a phylogenetic analysis of the Parastenocaridinae. *Zoosystematics and Evolution* 93: (1) 167–187 | DOI 10.3897/zse.93.11602
- \*Beltran DR, NV Schizas, RS Appeldoorn, C Prada (2017). Effective Dispersal of a Caribbean Reef Fish is Smaller than Current Spacing Among Marine Protected Areas. *Nature Scientific Reports* | 7: 4689 | DOI:10.1038/s41598-017-04849-5 1
- \*Rodríguez-Ferrer G, RS Appeldoorn, NV Schizas (2017). Abundance of the common bottlenose dolphin, *Tursiops truncatus* (Montagu, 1821), off the south and west coasts of Puerto Rico. *Life: The Excitement of Biology* 4:(4) DOI: 10.9784/LEB4(4)RodriguezFerrer.01
- \*Ortiz-Gonzalez IC, RE Rivera-Vicens\*, NV Schizas (2016). De novo transcriptome assembly of the Hydrocoral *Millepora alcicornis* (branching fire coral) from the Caribbean. *Marine Genomics* 10.1016/j.margen.2016.11.005
- Petrescu, I, T Chatterjee, NV Schizas (2016). New species and new records of Cumacea (Crustacea: Peracarida: Cumacea) from mesophotic reefs of Puerto Rico and U.S. Virgin Islands, Caribbean Sea. *Zootaxa* 4199 (1): 001–078.
- \*Galindo AM, NV Schizas, M Alfaro (2016). Morphological and genetic species diversity in ostracods (Crustacea: Oligostraca) from Caribbean reefs. *Marine Biodiversity* doi:10.1007/s12526-016-0525-y
- Appeldoorn R, D Ballantine, I Bejarano, H Ruiz, NV Schizas, W Schmidt, C Sherman, E Weil (2016). Mesophotic coral ecosystems examined: La Parguera, Puerto Rico, USA, in: Baker, E.K., Puglise, K.A. and Harris, P.T. (Eds.). (2016). *Mesophotic Coral Ecosystems — A lifeboat for coral reefs? The United Nations Environment Programme and GRID-Arendal, Nairobi and Arendal.* www.unep.org, www.grida.no5 pp 45-49
- \*Harms-Tuohy CA, NV Schizas, Appeldoorn RS (2016). The use of DNA metabarcoding for stomach content analysis in the invasive lionfish (*Pterois volitans*) in Puerto Rico. *Marine Ecology Progress Series* doi: 10.3354/meps11738
- \*Ricaurte M, Schizas NV, P Ciborowski, NM Boukli (2016). Proteomic analysis of bleached and unbleached *Acropora palmata*, a threatened coral species of the Caribbean. *Marine Pollution Bulletin* 107: 224–232 doi: 10.1016/j.marpolbul.2016.03.068
- Corgosinho PHC, M Alfaro, NV Schizas (2016). A new species of *Atergopedia* (Copepoda: Harpacticoida: Novocriniidae) from a Caribbean mesophotic reef. *Marine Biodiversity* DOI 10.1007/s12526-016-0446-9
- Lucas MQ\*, M Stat, M Smith, E Weil, NV Schizas (2016). *Symbiodinium* (internal transcribed spacer 2) diversity in the coral host *Agaricia lamarcki* (Cnidaria: Scleractinia) among shallow and mesophotic reefs in the Northern Caribbean (20–70 m). *Marine Ecology* doi: 10.1111/maec.12367
- Petrescu I, T Chatterjee, NV Schizas (2016). A new species of the genus *Campylaspis* (Crustacea: Cumacea) from the mesophotic reefs of St. John, US Virgin Islands. *Caribbean Journal of Science* 49:17-26
- Appeldoorn R, D Ballantine, I Bejarano, M Carlo, M Nemeth, E Otero, F Pagan, H Ruiz, NV Schizas, C Sherman, E Weil (2015). *Mesophotic Coral Ecosystems and Impacts from Anthropogenic Stress: a case study at Ponce, Puerto Rico.* *Coral Reefs* DOI: 10.1007/s00338-015-1360-5

- Guerra-Garcia JM, T Chatterjee, NV Schizas (2015). New genus and new species of Caprellidae (Crustacea: Peracarida: Amphipoda) from mesophotic coral ecosystems of Puerto Rico and St. Croix, Caribbean Sea. *Zootaxa* 4018 (1):080-096
- Pesic V, T Chatterjee, NV Schizas (2015). First record of *Litarachna caribica* Pesic et al. 2008 (Acari, Pontarachnidae) from the Pacific coast of Panama. *Marine Biodiversity Records*. Vol. 8: e85
- Schizas NV, H-U Dahms, P Kangtia, PH Corgosinho, A Galindo Estronza (2015). A new species of *Longipedia* Claus, 1863 (Copepoda: Harpacticoida: Longipediidae) from Caribbean mesophotic reefs DOI: 10.1080/17451000.2015.1013556
- Beltran D\*, NV Schizas, Prada C, R Appeldoorn (2015). Isolation and characterization of twelve microsatellite loci to study connectivity in the yellow jawfish *Opistognathus autifrons*. *Conservation Genetics Resources* DOI: 10.1007/s12686-014-0419-x
- Merten WWB\*, NV Schizas, MT Craig, RS Appeldoorn (2015). Genetic structure and dispersal capabilities of dolphinfish (*Coryphaena hippurus*): implications for stock-based fishery management in the western central Atlantic. *Fishery Bulletin* 113:419-429 doi: 10.7755/FB.113.4.5
- Senna AR, R Sorrentino, T Chatterjee, NV Schizas (2014). A new species of *Boca* Lowry & Stoddart, 1997 (Amphipoda: Lysianassoidea: Aristiidae) from a mesophotic coral ecosystem off Puerto Rico, Caribbean Sea. *Zootaxa* 3884 (5): 429-436
- Petrescu, I, T Chatterjee, NV Schizas (2014). New records of Bodotridae (Crustacea: Cumacea) from Puerto Rico with description of three new species. *Zootaxa* 3873 (5): 526-540
- Schizas NV, H-U Dahms, M Ricaurte Chica\*, J-S Hwang (2014). Population Genetic Patterns of the Copepod *Calanus sinicus* in the NW Pacific. *Hydrobiologia* DOI:10.1007/s10750-014-2011-5
- Pešić V, T Chatterjee, M Alfaro, NV Schizas. A new species of *Litarachna* (Acari, Hydrachnidia, Pontarachnidae) from a Caribbean mesophotic coral ecosystem. *Zookeys* 425: 89-97
- Chatterjee T, Fernandez-Leborans G, NV Schizas (2014) Report of *Thecacineta calix* (Ciliophora: Suctorea) as epibiont on harpacticoid copepods from mesophotic reefs of Puerto Rico and St. John, U.S. Caribbean. *Caribbean Journal of Science* 48:(1) 44-48
- Ruiz-Ramos DV\*, E Weil, NV Schizas (2014). Morphological and genetic evaluation of the hydrocoral *Millepora* species complex in the Caribbean. *Zoological Studies* 53:4
- Petrescu I, T Chatterjee, NV Schizas (2014). Three new Nannastacidae (Crustacea: Cumacea) species from a Caribbean mesophotic ecosystem. *Zootaxa* 3765 (4): 360-370
- Mege P\*, Schizas NV, Garcia J, Hrbek T. (2014) Genetic seascape of the threatened Caribbean elkhorn coral, *Acropora palmata*, on the Puerto Rico Shelf. *Marine Ecology* doi: 10.1111/maec.12135
- Petrescu I, T Chatterjee, NV Schizas (2014) New species of *Cumella* (Crustacea: Cumacea: Nannastacidae) from mesophotic habitats of Mona Island, Puerto Rico, Caribbean Sea. *Cahiers de Biologie Marine* 55(2): 183-189
- Sherman C, Appeldoorn R, Ballantine D, Bejarano I, Carlo M, Kesling D, Nemeth M, Pagan F, Ruiz H, Schizas NV, Weil E (2013) Exploring the mesophotic zone: Diving operations and scientific highlights of three research cruises across Puerto Rico and US Virgin Islands. In: Lang, MA & Sayer MDJ (ed.), *Proceedings of the 2013 AAUS/AEDP Curacao Joint International Scientific Diving Symposium*, Dauphin Island, AL: American Academy of Underwater Sciences, pp 297-312
- Petrescu I, T Chatterjee & NV Schizas (2013). Two new species of the genus *Cumella* (Crustacea: Cumacea: Nannastacidae) associated with mesophotic reefs of Puerto Rico and St. Croix, Caribbean Sea. *Cahiers de Biologie Marine* 54: 257-262
- Schizas NV (2012) Misconceptions regarding nuclear mitochondrial pseudogenes (numts) may obscure detection of mitochondrial evolutionary novelties. *Aquatic Biology* 17: 91-96

- Petrescu I, T Chatterjee & NV Schizas (2012). New genus and new species of Cumaceans (Crustacea: Peracarida: Cumacea) from the mesophotic coral ecosystem of SW Puerto Rico, Caribbean Sea. *Zootaxa* 3476: 55-61
- Corgosinho, PHC & Schizas, NV (2012) *Archeolourinia*, a new genus and species of Louriniidae Monard, 1927 (Copepoda, Harpacticoida) from a Caribbean mesophotic zone. *Journal of the Marine Biological Association of the United Kingdom*. doi:10.1017/S0025315412001336
- Pesic V, Chatterjee T, Schizas NV. (2012) A new species of *Pontarachna* (Acari, Hydrachnidia, Pontarachnidea) from a mesophotic coral ecosystem off Vieques Island, Puerto Rico, Caribbean Sea *Zootaxa* 3440: 63–67
- Chullasorn S, H-U Dahms, K-W Lee, J-S Ki, N Schizas, P Kangtia, HG Park, and J-S Lee (2011) Description of *Tisbe alaskensis* sp. nov. (Crustacea: Copepoda) Combining Structural and Molecular Traits. *Zoological Studies* 50(1): 103-117
- Torres-Pratts H, T Lado-Insua, AL Rhyne, L Rodriguez-Matos, NV Schizas (2011). Two distinct, geographically overlapping lineages of the corallimorpharian *Ricordea florida* (Cnidaria: Hexacorallia: Ricordeidae). *Coral Reefs* DOI: 10.1007/s00338-010-0709-z
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- Fiedler GC, AL Rhyne, R Segawa, T Aotsuka, NV Schizas (2010). The evolution of euhermaphroditism in caridean shrimps: a molecular perspective of sexual systems and systematics. *BMC Evolutionary Biology* 10:297
- Garcia Reyes J, NV Schizas (2010). No two reefs are created equal: fine-scale population structure in the threatened coral species *Acropora palmata* and *A. cervicornis*. *Aquatic Biology*. doi: 10.3354/ab00254.
- Milligan PJ, EA Stahl, NV Schizas, JT Turner (2010). Phylogeography of the copepod *Acartia hudsonica* in estuaries of the northeastern United States. *Hydrobiologia* doi: 10.1007/s10750-010-0097-y
- Rhyne AL, Dong Zhang, J Lin, NV Schizas (2009). Not any two will do: DNA divergence and interpopulation reproductive compatibility in a simultaneous hermaphroditic shrimp, *Lysmata wurdemanni*. *Marine Ecology Progress Series* 388:185-195
- Dahms H-U, S Chullasorn, NV Schizas, P Kangtia, W Anansatitporn, Wan-Xi Yang (2009). Review of naupliar development among Tisbidae (Copepoda: Harpacticoida) with a phylogenetic analysis and naupliar description of *Tisbe thailandensis* from Thailand. *Zoological Studies* 48:(6) 780-796
- Torres-Pratts H, MT Schärer and NV Schizas (2009) Genetic diversity of *Chelonibia caretta*, commensal barnacles of the endangered hawksbill sea turtle *Eretmochelys imbricata* from the Caribbean (Puerto Rico). *Journal of the Marine Biological Association of the UK* 89:(4) 719-725
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- Pesic V, T Chatterjee, NV Schizas (2008). Marine water mites (Acari: Hydrachnidia: Pontarachnidae) from the Caribbean Sea, with description of one new species. *Cahier de Biologie Marine* 49(3):253-259.
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### Advisors

- MS - Thomas C. Shirley (University of Alaska, Fairbanks) - Retired  
 Ph.D. - Bruce C. Coull (University of South Carolina) - Retired  
 Ph.D. - Joseph Quattro (University of South Carolina)  
 Postdoc - Richard Hudson (University of Chicago) –Retired

Postdoc - Bill Ballard (The University of New South Wales)

## Undergraduate Students

Research Supervisor of 70 undergraduate students, 5 of which were supported by the PR-LSAMP program

## Students Graduated

Glorimar Franqui (MS, 2010). Biodiversity of sharks

Griselle Rodriguez (PhD, 2019 - Co-Advisor)

Alex Veglia (MS, 2019)

Liajay Rivera (MS, 2019)

Juan Laverde (MS, 2018)

Ingrid Ortiz Gonzalez (MS, 2018) - Phylotranscriptomics of Caribbean fire corals (*Millepora* spp.)

Jaaziel Garcia (MS, 2017 – Co-Advisor\*)

Mariel Cruz (MS, 2017) - Population structure of the fireworm *Hermodice carunculata*

Nick Hammerman (MS, 2016) – Population genomics of the mesophotic coral *Agaricia lamarcki*

Dr. Chelsea Harms (PhD, 2016 – Co-Advisor\*)

Dr. Matt Lucas (PhD, 2016 – Co-Advisor\*)

Alexandra Galindo (MS, 2015 - Co-Advisor\*)

Dr. Diana Beltran (PhD, 2015 - Co-Advisor\*)

Dr. Wess B. Merten (PhD, 2014 - Co-Advisor\*)

Alexandre Jassoud (MS, 2010) – Trans-Atlantic population structure of the common octopus *Octopus vulgaris*

Dr. Monica Rojas (MS, 2010) – Molecular population structure of Caribbean ophiurids

Dr. Danisse Ruiz-Ramos (MS, 2009) - Caribbean-wide molecular variation in the hydrocoral genus *Millepora*

Dr. Hernan Torres-Pratts (PhD, 2009) – Molecular ecology of Caribbean benthic species

Joselyd Garcia (MS, 2008)- Genetic variability and fine-scale population structure in the threatened species  
*Acropora palmata* and *A. cervicornis* around Puerto Rico

Dr. Carlos Prada (MS, 2007 - Co-advisor\*) – Morphological and genetic variation in the octocoral *Plexaura flexuosa*

\* I was the secondary advisor of these students and co-authored at least 1 manuscript from their Thesis.

## Current Students

Martha Ricaurte (Ph.D. student)

Jaaziel Garcia (Ph.D. student)

Glorimar Franqui (PhD student)

Luis Rodriguez Matos (MS candidate)

Jean Paul Domenech Ramos (MS student)

Alejandro J Gonzalez Montes (MS student)

Maria Del Pilar Gonzalez Garcia (M.S. student)

Natalie M Baez Rodriguez (M.S. student)

Omar M Zayas Cruz (M.S. student)

Giovanna Gonzalez, (MS student - Co-Advisor)

David Repollet (MS student - Co-Advisor)

Daniel Toledo Rodriguez (MS student - Co-Advisor)

## Invited Seminars

1. Mesophotic coral ecosystems of the Caribbean. National Museum of Marine Biology and Aquarium. Kenting, Taiwan, May 3, 2016.
2. Mesophotic coral ecosystems of Puerto Rico and adjacent islands. 12th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, Athens, Greece, June 18-22, 2012 (plenary speaker).
3. Mesophotic coral ecosystems of Puerto Rico and adjacent islands - Spanish Scientific Research Council/Universidad de la Laguna, Tenerife, Spain, November 18, 2011
4. Mesophotic coral ecosystems of Puerto Rico and adjacent islands -National and Kapodistrian University of Athens, December 7, 2011
5. Sangmyung University, South Korea, June 2010
6. University of Massachusetts Dartmouth, February 11, 2005
7. University of Puerto Rico, Rio Piedras, November 5, 2003
8. University of Alabama, Birmingham, July 18, 2003

## **Presentations**

### **2019**

Schizas NV Recent advances of evolutionary studies at Caribbean mesophotic coral Reefs. 23th Evolutionary Biology Meeting – Marseilles (poster)

Alfaro M, NV Schizas, P Corgosinho Taxonomic Structure of the Meiofauna from Caribbean Mesophotic Reefs", 17th MEIOFAUNA CONFERENCE- SeventIMCO-17ThInternational Meiofauna Conference, 7-12th July 2019, Evora, Portugal (poster).

Schizas NV, RS Appeldoorn, JJ. Cruz-Motta, Wilford E. Schmidt, Clark E. Sherman, Ernesto Weil, Olivia M. Cheriton, Curt D. Storlazzi, Kurt J. Rosenberger, Mark Buckley. Effects of Hurricane Maria on the mesophotic reefs of Puerto Rico. 49<sup>th</sup> Benthic Ecology Meeting 2019, St. John's, Newfoundland (poster)

### **2018**

Esquete P, Schizas N, Chatterjee T. Discovering the Tanaidacea of Caribbean Mesophotic Reefs. 9th International Crustacean Congress (ICC9), Washington, DC, USA, May 22-25, 2018 (talk)

### **2017**

Schizas NV. The Cryptic Biodiversity of Mesophotic Reefs. European Coral Reef Symposium, Oxford, UK, December 12-16 (talk)

Ortiz-González IC, Rivera Vicens R, Schizas NV. de novo transcriptome assembly of the hydrocoral *Millepora alcicornis* (branching fire coral) from the Caribbean. 2017 Aquatic Sciences Meeting Honolulu, Hawaii February 26 - March 3. (poster)

Cruz M, Hammerman NM, Lucas MQ, Weil E, Schizas NV. Population structure of the octocoral predator, *Cyphoma gibbosum*, in the wider Caribbean. 2017 SICB meeting, 4-8 January, New Orleans, Louisiana (poster)

### **2016**

Schizas NV, H-U Dahms, D Previattelli, PHC Corgosinho. Is the mitochondrial Cytochrome Oxidase subunit I, a useful phylogenetic marker in Copepoda? 16th International Meiofauna Conference (IçIMCo), 3-8 July Heraklion, Crete (poster)

Schizas NV, Galindo-Estronza A, Alfaro M, Morphological and genetic species diversity in ostracods (Crustacea: Oligostraca) from Caribbean mesophotic reefs. 16th International Meiofauna Conference (IçIMCo), 3-8 July, Heraklion, Crete (poster)

Hammerman NM, Schizas NV, Alfaro M. Population Structure of the coral, *Agaricia lamarcki* from SW Puerto Rico and U.S. Virgin Islands. The 13th International Coral Reef Symposium (ICRS), 19-24 June, Honolulu, Hawaii (poster)

Garcia-Hernandez JE, Schizas NV, Alfaro ML, de Voogd NJ. Mesophotic Reef Sponges (Porifera) from Puerto Rico and the US Virgin Islands. The 13th International Coral Reef Symposium (ICRS), 19-24 June, Honolulu, Hawaii (talk)

Gutierrez-Cala LM, Schizas NV, Sanchez JA. Divergence Through Species Interactions: The Role of the sponge *Clathria oxeota* in Ecological Speciation of the Octocoral *Briareum asbestinum*. The 13th International Coral Reef Symposium (ICRS), 19-24 June, Honolulu, Hawaii

Beltran DM, Appeldoorn, RS, Schizas, NV, Prada, CA. Effective Dispersal of Caribbean Reef Fish is Smaller than current Spacing among Marine Protected Areas. The 13th International Coral Reef Symposium (ICRS), 19-24 June, Honolulu, Hawaii (talk)

Schizas NV, Appeldoorn R, Nadathur G. Comparison of Bacterial Communities Associated with *Agaricia lamarcki* from Mesophotic and Shallow Water Reefs. The 13th International Coral Reef Symposium (ICRS), 19-24 June, Honolulu, Hawaii (poster)

Cruz MA and NV Schizas. Population Structure of the Coral-eating Fireworm *Hermodice carunculata* in the wider Caribbean, Atlantic and Mediterranean Sea. ASLO 2016, New Orleans, Louisiana, February 21-26 2016 (talk)

Pérez-Viscasillas JB, A Jassoud, NV Schizas. The Atlantic Ocean: An Impassable Barrier for the Common Octopus, *Octopus vulgaris*. ASLO 2016, New Orleans, Louisiana, February 21-26 2016 (poster)

Ricaurte M, Schizas, NV, Weil E, Ciborowski P, Boukli NM. The effect of ambient temperatures on two threatened Caribbean coral species: a proteomic study. ASLO 2016, New Orleans, Louisiana, February 21-26 2016 (poster)

Cruz MA and NV Schizas. Population Structure of the Fireworm *Hermodice carunculata* in the wider Caribbean, Atlantic and Mediterranean Sea. SICB 2016, Portland, Oregon, January 3-7, 2016 (poster)

Rivera García L, Majeske A, NV Schizas. Comparative transcriptomics in the soft Caribbean coral *Briareum asbestinum*. SICB 2016, Portland, Oregon, January 3-7, 2016 (poster)

García-Hernández JE, M Alfaro, and NV Schizas. Sponge-Microbe Symbiotic Associations in Puerto Rican Mesophotic Reefs. Puerto Rico Space Grant Consortium Symposium, UPR Rio Piedras, 2016

## 2015

Rodriguez-Ferrer G, Schizas NV, Appeldoorn RS et al. Genetic structure and diversity of the bottlenose dolphin, *Tursiops truncatus*, population of Puerto Rico. Workshop of the Network of Aquatic Mammal Specialists of Central America and the Caribbean. Society For Marine Mammalogy Biennial Meeting. San Francisco, CA December 18, 2015.

Harms Tuohy CA, Schizas NV, RS Appeldoorn. Pioneering the use of DNA metabarcoding in stomach content analysis of the invasive lionfish (*Pterois volitans*) in Puerto Rico. GCFI, Panama City, Panama, November 9-13. (talk)

Schizas NV, Ortiz-González IC, E Weil. Delineating the status of the hydrocoral *Millepora* species in the Caribbean. Evolution 2015, Guaruja, Brazil, June 25-June 31, 2015 (oral)

Hammerman N, Schizas NV, E Weil Population connectivity of *Agaricia lamarcki* from mesophotic and shallow reefs between Puerto Rico and the U.S. Virgin Islands. Evolution 2015, Guaruja, Brazil, June 25-June 31, 2015 (poster)

Galindo-Estronza A, Alfaro M, Schizas NV. A morphological and molecular contribution on benthic ostracods with emphasis on the populations of the mesophotic reefs. ASLO, Grenada, Spain, 2015 (poster)

## 2014

Quijano Cardé EM, Hernán Torres-Pratts, NV Schizas. Phylogeny of the *Mithrax-Mithraculus* Crab Complex. SMBE 2014, San Juan, Puerto Rico, June 8-12 (poster)

Majeske A, Oleksyk T, NV Schizas. Using transcriptomics to characterize immune genes in the Caribbean black-long spined sea urchin *Diadema antillarum*. SMBE 2014, San Juan, Puerto Rico, June 8-12 (poster)

Harms CA, RS Appeldoorn, NV Schizas. Metagenomic analysis of whole-gut contents of the invasive lionfish (*Pterois volitans*) in Puerto Rico. SMBE 2014, San Juan, Puerto Rico, June 8-12 (poster)

NV Schizas, H-U Dahms, B Hansen, A Majeske. Transcriptomic study in the diapaused copepod *Acartia tonsa*. SMBE 2014, San Juan, Puerto Rico, June 8-12 (poster)

Rivera García L, Majeske A, NV Schizas. Comparative transcriptomics in the soft Caribbean coral *Briareum asbestinum*. SMBE 2014, San Juan, Puerto Rico, June 8-12 (poster)

Ortiz-González IC, E Weil, NV Schizas A Ribosomal DNA Assessment of the Hydrocoral (*Millepora*) in the Caribbean. SMBE 2014, San Juan, Puerto Rico, June 8-12 (poster)

NV Schizas, Majeske A, Ortiz-González IC, E Weil. *De novo* transcriptome assembly with RNA-seq data. Using the Trinity pipeline transcriptomics to delineate the status of *Millepora* species in the Caribbean Sea. (Webinar)

NV Schizas, AM Galindo-Estronza, and M Alfaro. Diversity of benthic ostracods from Caribbean Mesophotic Reefs. 8th Caribbean Biodiversity Congress, Santo Domingo, January 29-February 1, 2014 (oral)

## 2013

NV Schizas, D Ruiz, E Weil, A Majeske. Using transcriptomics to delineate the status of *Millepora* species in the Caribbean. 8<sup>th</sup> International Conference on Coelenterate Biology (ICCB 8), Eilat, Israel, December 1-5, 2013 (oral)

CA Harms, RS Appeldoorn and NV Schizas. Metagenomic analysis of whole-gut contents of the invasive lionfish (*Pterois volitans*) in Puerto Rico. Joint Genome Institute's Microbial Genomics and Metagenomics Workshop, Walnut Creek, California, September 16-20, 2013 (poster)

NV Schizas, H-U Dahms, Pawana Kangtia. Mesophotic reefs in the Caribbean as a biodiversity hotspot. FIFTIMCo (15th International Meiofauna Conference, 22-26 July, 2013, Seoul, Korea (poster)

AM Galindo-Estronza, M Alfaro and NV Schizas. Morphologic and Molecular Characterization of Benthic Ostracods from Caribbean Mesophotic Reefs. Evolution 2013, Snowbird, Utah, USA June 21-25, 2013 (poster).

NV Schizas, M Lucas, M Smith, E Weil. Depth-related changes in coral zooxanthellae. "International Conference on Challenges in Aquatic Sciences" at Keelung, Taiwan, March 15-21, 2013 (poster)

NV Schizas, Hans-Uwe Dahms, Ricaurte M, J Hwang. "ITS-1 Gene Reveals Population Differences of The Copepod *Calanus sinicus*" in The NW-Pacific "International Conference on Challenges in Aquatic Sciences" at Keelung, Taiwan, March 15-21, 2013 (Invited Speaker)

AM Galindo-Estronza, M. Alfaro and NV Schizas. Diversity of benthic ostracods from Caribbean mesophotic reefs. ASLO 2013, New Orleans, Louisiana, 17-22 February 2013 (talk)

## 2012

NV Schizas. Applications of Next Generation Sequencing in Environmental and Marine Sciences. Workshop on Genes and Genomes with Ion Torrent™ Personal Genome Machine (PGM™) sequencing. UPR- Mayagüez, PR- October 22-26, 2012

Hans-Uwe Dahms, Sang H. Lee, Nikolaos Schizas

Dormancy regulation in polar regions – Genetic evidence from copepod diapause embryos. Presented at the 18th International Symposium on Polar Sciences May 22-24, 2012 Seogwipo KAL Hotel, Jeju Island Korea (<http://symposium.kopri.re.kr>)

Hans-Uwe Dahms, Nukul Saengphan, Nikolaos V. Schizas Diapause in freshwater copepods from Thailand International Workshop FISA (Mahasarakam, Thailand, 29th July to 4th August 2012). (poster)

N Schizas, M Lucas, E Weil. Genetic connectivity of *Symbiodinium* and its coral host *Agaricia lamarcki* ICRS 2012, July 9-13, Cairns, Australia

N Schizas, M Lucas, M Smith, E Weil. Depth-related changes in coral zooxanthellae. 2012 SMBE, Dublin, Ireland, June 23-26 (poster).

Rivera Vicens RE, Lucas MQ, Smith M, Weil E, Schizas NV. Genetic variation of *Symbiodinium* spp. of the coral host *Agaricia lamarcki* (Cnidaria: Scleractinia) between shallow and mesophotic habitats. 2012 SMBE, Dublin, Ireland, June 23-26 (poster).

## 2011

Schizas NV, Lucas M, Smith M, Weil E. Genetic variation of *Symbiodinium* of the coral host *Agaricia lamarcki* between shallow and mesophotic habitats. 35th AMLC meeting, Costa Rica, 23-28 May (talk)

Schizas NV, Lucas M. Genetic diversity and connectivity of shallow and mesophotic habitats. 35th AMLC meeting, Costa Rica, 23-28 May (poster)

Ramon E Rivera Vicens, M Lucas, E Weil, M Smith, N Schizas. Genetic variation of *Symbiodinium* spp. of the coral host *Agaricia lamarcki* between shallow and mesophotic habitats. Evolution 2011, Norman, Oklahoma June 17 - 21, 2011 (poster)

M Rojas and NV Schizas. Genetic Population Structure of two Brittle Stars (*Ophiocoma echinata* and *Amphipholis squamata*) with Contrasting Life Histories. ASLO 2011, February 13-17, San Juan, PR (talk)

Lucas M, Weil E, Smith M, Schizas N. Genetic variation of *Symbiodinium* spp of the coral host *Agaricia lamarcki* (Scleractinia:Cnidaria) between shallow and mesophotic habitats. ASLO 2011, February 13-17, San Juan, PR (talk)

L Rodriguez Matos, H Torres-Pratts, T Lado Insua, A Rhyne, NV Schizas. Two distinct, geographically overlapping lineages of the corallimorpharian *Ricordea florida* (Cnidaria: Hexacorallia: Ricordeidae). ASLO 2011, February 13-17, San Juan, PR (poster)

NV Schizas, Matt Lucas. Genetic diversity and connectivity of shallow and mesophotic reefs. ASLO 2011, February 13-17, San Juan, PR (poster)

M Ricaurte, N Boukli, N Rivera, N Schizas. Preliminary proteomic analysis of bleached and healthy Caribbean corals. ASLO 2011, February 13-17, San Juan, PR (poster)

## 2010

NV Schizas, PHC Corgosinho. Preliminary findings on the copepod fauna associated with the Caribbean mesophotic coral ecosystem of Puerto Rico 7th International Crustacean Conference, Qingdao China June 20-25, 2010 (poster)

M Rojas and NV Schizas. Genetic Population Structure of two Brittle Stars (*Ophiocoma echinata* and *Amphipholis squamata*) with Contrasting Life Histories. SICB 2010 Meeting, Seattle WA, January 3-7, 2010 (poster)

## 2009

GC Fiedler, AL Rhyne, NV Schizas Mitochondrial and nuclear ribosomal phylogeny of the genus *Lysmata* Risso and other selected hippolytid shrimp genera: the evolution of unique sexual patterns in the Hippolytidae. Crustacean Society Summer Meeting, 20-23 September 2009, Tokyo University of Marine Science and Technology, Tokyo, Japan (talk)

NV Schizas. One or two are not enough! A multispecies approach to the analysis of population structure of Caribbean fauna. Association of Marine Laboratories of the Caribbean 34th Scientific Conference, May 25-29, 2009 Roseau, Commonwealth of Dominica (talk)

Mege, P, J García Reyes, N Schizas and T Hrbek: Microsatellite and mitochondrial markers show low genetic structure in the elkhorn coral of Puerto Rico. Association of Marine Laboratories of the Caribbean 34th Scientific Conference, May 25-29, 2009 Roseau, Commonwealth of Dominica (poster)

NV Schizas. One or two are not enough! A multispecies approach to the analysis of population structure of Caribbean fauna Benthic Ecology Meeting 2009, March 4-7, Corpus Cristi, Texas (talk)

H Torres-Pratts and NV Schizas. Phylogeny of the *Mithrax-Mithraculus* (Crustacea: Brachyura: Majidae) crab complex. Benthic Ecology Meeting 2009, March 4-7, Corpus Cristi, Texas (talk)

M Rojas and NV Schizas. Patterns of genetic variability of brittle stars with contrasting life histories. Benthic Ecology Meeting 2009, March 4-7, Corpus Cristi, Texas (talk)

A Rhyne, H Torres-Pratts, Rodriguez L, Insua-Lado T, NV Schizas. Patterns of Genetic Variation of the Corallimopharian *Ricordea florida*. SICB 2009 Meeting, Boston MA, Jan. 3-7, 2009 (talk)

## 2008

JT Turner, PJ Milligan, EA Stahl and NV Schizas. Phylogeography of the copepod *Acartia hudsonica* in estuaries of the northeastern United States. 10th International Conference on Copepoda (ICOC), Pattaya, Thailand July 13-19. (talk)

D. Ruiz-Ramos, NV Schizas. Genetic variation of the hydrocoral *Millepora alcicornis* across the Caribbean. 11<sup>th</sup> International Coral Reef Symposium, Fort Lauderdale, FL. July 7-11 (poster).

H Torres-Pratts, Rodriguez L, Insua-Lado T, A Rhyne, NV Schizas. Patterns of Genetic Variation of the Corallimopharian *Ricordea florida*. 11<sup>th</sup> International Coral Reef Symposium, Fort Lauderdale, FL. July 7-11 (poster)

J Garcia, NV Schizas. Genetic Variability of *Acropora cervicornis* and *A. palmata* in Puerto Rico. 11<sup>th</sup> International Coral Reef Symposium, Fort Lauderdale, FL, July 7-11 (oral)

C. Prada and NV Schizas. Phylogenetic analysis of the Caribbean genera *Eunicea* and *Plexaura* (Octocorallia). 11<sup>th</sup> International Coral Reef Symposium, Fort Lauderdale, FL, July 7-11 (oral)

H Torres-Pratts, NV Schizas. Living in sympatry: evidence from genetic lineages of Caribbean marine taxa. Evolution 2008, University of Minnesota Minneapolis, Minnesota, USA June 20-24, 2008 (oral)



Insua-Lado T, H Torres-Pratts, L Rodriguez Matos, A Rhyne, NV Schizas. Patterns Of Genetic Variation Of The Corallimopharian *Ricordea florida* Benthic Ecology Meeting 2008. April 9-13, Providence, RI (oral)

Ruiz-Ramos, DV, Schizas, NV. Is Mona Passage a biogeographic barrier? A hydrocoral's perspective. 2008 Ocean Sciences Meeting, 2-7 March 2008, Orlando, Florida (poster)

Garcia, J. Schizas, NV. Genetic variability of *Acropora cervicornis* and *A. palmata* in Puerto Rico. 2008 Ocean Sciences Meeting, 2-7 March 2008, Orlando, Florida (poster)

2007

Rhyne, AL., Zhang, D., Lin, J. Schizas, NV. Will Any Two Do? Genes and interbreeding studies with *Lysmata wurdemanni*. The Crustacean Society, Coquimbo - Chile 14- 17 October 2007 (poster)

Fiedler, G.C., Rhyne, A.L., Schizas, N.V. Multi-data phylogeny of the caridean genus *Lysmata* The Crustacean Society, Coquimbo - Chile 14- 17 October 2007 (oral)

Ruiz-Ramos, DV, Schizas, NV. Patterns of genetic polymorphism in the fire coral *Millepora*. 33rd Scientific Conference of the Association of Marine Laboratories of the Caribbean . June 4-8, 2007, St. Thomas, US Virgin Islands (oral)

Garcia, J. Schizas, NV. Genetic variability of *Acropora cervicornis* and *A. palmata* in Puerto Rico. 33rd Scientific Conference of the Association of Marine Laboratories of the Caribbean. June 4-8, 2007, St. Thomas, US Virgin Islands (oral)

Rhyne, AL, Zhang, D., Lin, J. Schizas, NV. Any two won't do, genes and interbreeding experiments with *Lysmata wurdemanni*. 2007 Benthic Ecology Meeting, March 21-25, Atlanta, Georgia. (poster)

Ruiz-Ramos, DV, Schizas, NV. Patterns of genetic polymorphism in the firecoral hydrozoan *Millepora*. 2007 Benthic Ecology Meeting, March 21-25, Atlanta, Georgia. (poster)

Schizas, NV, Rhyne, A, Fiedler, C. Multigene phylogeny of the caridean shrimp genus *Lysmata*. 2007 Benthic Ecology Meeting, March 21-25, Atlanta, Georgia. (oral)

Rhyne, AL, Schizas, NV, LIN, J. Revision of western Atlantic, peppermint shrimp, *Lysmata* spp. utilizing morphological and molecular characters. 2007 Benthic Ecology Meeting, March 21-25, Atlanta, Georgia. (oral)

Garcia, J, Schizas, NV. Genetic Variability of *Acropora cervicornis* and *A. palmata* in Puerto Rico. 2007 Benthic Ecology Meeting, March 21-25, Atlanta, Georgia. (oral)

Torres-Pratts, H, AL. Rhyne, NV. Schizas. Distinct mitochondrial lineages in two Caribbean species with vastly different dispersal potential. 2007 Benthic Ecology Meeting, March 21-25, Atlanta, Georgia. (oral)

Rhyne AL, Zhang D, Lin J. NV Schizas Any two won't do, genes and interbreeding experiments with *Lysmata wurdemanni*. SICB 2007 Meeting, Phoenix, AZ, Jan. 3-7, 2007 (poster)

NV Schizas, Rhyne AL, Fiedler C. Multidata phylogeny of the Western Atlantic *Lysmata*. SICB 2007 Meeting, Phoenix, AZ, Jan. 3-7, 2007 (talk)

Rhyne AL, NV Schizas, Lin J. Larval settlement and population ecology of a newly described sponge dwelling peppermint shrimp, *Lysmata pedersenii*. SICB 2007 Meeting, Phoenix, AZ, Jan. 3-7, 2007 (talk)

Prada C, NV Schizas, Yoshioka P Genetic Variation and Phenotypic Plasticity of the Gorgonian *Plexaura flexuosa* in Puerto Rico. SICB 2007 Meeting, Phoenix, AZ, Jan. 3-7, 2007 (talk)

## 2006

Prada CA, PM Yoshioka, NV Schizas Patterns of phenotypic and genetic variability in the gorgonian *Plexaura flexuosa* Evolution 2006, June 23-27, 2006, Stony Brook University, New York (talk)

NV Schizas & William E. Browne. The genetic population structure of Caribbean populations of the banded coral shrimp *Stenopus hispidus*. SICB Annual Meeting, January 4-8, 2006, Orlando, FL (talk)

## 2005

NV Schizas & William E. Browne. Genetic divergence between Caribbean and Hawaiian populations of the coral red-banded shrimp *Stenopus hispidus*. Evolution 2005, Fairbanks, Alaska, June 10-14 2005 (talk)

NV Schizas. The population genetic structure of meiobenthic taxa inhabiting Caribbean mangroves. V Congress of the Caribbean Biodiversity, Santo Domingo, Dominican Republic. January 25-28 2005 (talk)

H Torres Pratts & NV Schizas. Succession of meiofaunal taxa on fallen, decaying leaves of red mangroves. V Congress of the Caribbean Biodiversity, Santo Domingo, Dominican Republic. January 25-28 2005 (talk)

## 2004

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