

## 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

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 N 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)

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**

Molecular evolution of marine invertebrates

### **Teaching Experience**

2004-09, 2014-16; Instructor, DNA data analysis of Marine Organisms, UPRM

2003-2009, 2011-15; Instructor, Systematics of Marine Invertebrates, UPRM

2004-14 Instructor, Biological Oceanography, UPRM

### **Course Experience, Workshops**

7) Genome-wide SNP genotyping with 2bRAD, Wrigley Marine Center, Catalina Island, CA, August 23-August 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, 9 - 21 January, 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**

NSF panelist (Biodiversity and Systematics) - 2014

2008-present Contributor Editor - Aquatic Biology

2014-present Associate Editor – Frontiers in Marine Pollution

Reviewer for PLoSOne, Aquaculture Research, Marine Ecology Progress Series, Marine 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.

Ad-hoc reviewer for NOAA, NMFS, NSF

### **Synergistic Activities**

Full Member, Sigma Xi, The Scientific Research Society, 2014-present

Co-organizer of the Society of Molecular and Biological Evolution (SMBE) meeting, Puerto Rico June, 2014

Co-founder of the Caribbean Genome Center

### **Manuscripts Submitted**

Rojas-Pena ML, NV Schizas. The Influence of Contrasting Reproductive Modes in the Genetic Population Structure of Caribbean Brittle Stars

Galindo AM, NV Schizas, M Alfaro. Concordance between morphological and genetic barcoding estimates of species diversity in benthic ostracods from Caribbean mesophotic reefs

Harms-Tuohy CA, NV Schizas, Appeldoorn RS. The use of DNA metabarcoding for stomach content analysis in the invasive lionfish (*Pterois volitans*) in Puerto Rico. Marine Ecology Progress Series

### **56 Publications** (All pdf reprints at [http://cima.uprm.edu/~n\\_schizas/](http://cima.uprm.edu/~n_schizas/) )

Corgosinho PHC, M Alfaro, NV Schizas (2016). A new species of *Atergopedia* (Copepoda: Harpacticoida: Novocriniidae) from a Caribbean mesophotic reef. Marine Biodiversity

Lucas MQ, M Stat, M Smith, E Weil, NV Schizas (2016). *Symbiodinium* (ITS2) diversity in the coral host *Agaricia lamarcki* (Cnidaria: Scleractinia) among shallow and mesophotic reefs (20 - 70 m). Marine Ecology

- 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 <http://dx.doi.org/10.11646/zootaxa.4018.1.4>
- 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
- Petrescu I, T Chatterjee, NV Schizas (2015). A new species of the genus *Campylaspis* (Crustacea: Cumacea) from the mesophotic reefs of St. John, US Virgin Islands, Caribbean Sea. Caribbean Journal of Science
- Schizas NV, H-U Dahms, P Kangtia, 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 *Thecacinetia 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
- Ruiz-Ramos D, E Hernandez, NV Schizas (2011). Population status of the long-spined urchin *Diadema antillarum* in Puerto Rico 20 years after a mass mortality event. *Bulletin of Marine Science* 87: 113-127
- 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
- Chullasorn S, H-U Dahms, NV Schizas, P Kangtia (2009). Phylogenetic inferences of *Tisbe* Lilljeborg, 1853 (Copepoda, Harpacticoida) with a new species of *Tisbe thailandensis* from Bangsaen Beach, Thailand. *Hydrobiologia* 627: 1-17 DOI 10.1007/s10750-009-9711-2
- 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.
- Prada C, NV Schizas, PM Yoshioka (2008). Phenotypic plasticity or speciation? A case from a clonal marine organism. *BMC Evolutionary Biology* 8:47
- Torres-Pratts H, NV Schizas (2007). Meiofaunal colonization of decaying leaves of the red mangrove *Rhizophora mangle*, in southwestern Puerto Rico. *Caribbean Journal of Science*. 43 (1): 127-137

- Schizas, NV and TC Shirley (2006). *Apolethon hippoperus*, (Copepoda, Harpacticoida)- a new species from southeastern Alaska. *Journal of Crustacean Biology* 26 (3): 341-354
- Dahms H-U, NV Schizas, TC Shirley (2005). Naupliar evolutionary novelties of *Stenhelia peniculata* (Copepoda, Harpacticoida) from Alaska affirming taxa belonging to different categorical rank. *Invertebrate Zoology* 2 (1) 1-14
- Staton JL, Taylor BE, Schizas NV, Wetzer R, Glenn TC, Coull BC (2003). Mitochondrial gene diversity of *Skistodiaptomus mississippiensis* in impoundments of the Upper Coastal Plain near Aiken, South Carolina, USA. *Archiv für Hydrobiologie* 158: 215-231
- Staton JL, Schizas NV, Klosterhaus SL, Griffitt RJ, Chandler GT, Coull BC (2002). Effect of salinity variation and pesticide exposure on an estuarine harpacticoid copepod, *Microarthridion littorale* (Pope), in the southeastern US. *Journal of Experimental Marine Biology & Ecology* 278: 101-110.
- Schizas NV, Coull BC, Chandler GT, Quattro JM (2002). Sympatry of distinct mitochondrial lineages in a copepod inhabiting estuarine creeks in the southeastern USA. *Marine Biology* 140: 585-594
- Schizas NV, Chandler GT, Coull BC, Klosterhaus SL, Quattro JM (2001). Differential survival of three mitochondrial lineages in a marine copepod exposed to a mixture of pesticides. *Environmental Science and Technology*. 35: 535-538
- Steinbachs J, Schizas, NV, JWO Ballard (2001). Efficiencies of genes and accuracy of tree-building methods in recovering a known *Drosophila* genealogy. *Pacific Symposium on Biocomputing* 6: 606-617
- Staton JL, Schizas NV, Chandler GT, Coull BC, Quattro JM. (2001). Ecotoxicology and Population Genetics: The Emergence of 'Phylogeographic and Evolutionary Ecotoxicology'. *Ecotoxicology* 10:217-222
- Kovatch CE, Schizas NV, Chandler GT, Coull BC (2000). Tolerance and genetic relatedness of three meiobenthic copepod populations exposed to sediment-associated contaminant mixtures: Role of environmental history. *Environmental Chemistry and Toxicology* 19: (4) 912-919
- Schizas NV, Street GT, Coull BC, Chandler GT, Quattro JM (1999). Molecular population structure of the benthic copepod *Microarthridion littorale* along the Southeastern and Gulf coasts of the United States. *Marine Biology* 135: 399-405
- Schizas NV, Street GT, Coull BC, Chandler GT, Quattro JM (1997). An efficient DNA extraction method for small metazoans. *Molecular Marine Biology and Biotechnology* 6: 381-383
- Chandler, GT, Coull BC, Schizas NV and Donelan, TL (1997). A culture-based assessment of the effects of chlorpyrifos on multiple meiobenthic copepods using microcosms of intact estuarine sediments. *Environmental Chemistry and Toxicology* 16: 2339-2346
- Schizas, NV and TC Shirley (1996). Seasonal changes in structure of an Alaskan intertidal meiofauna assemblage. *Marine Ecology Progress Series* 133: 115-124
- Schizas, NV and TC Shirley (1994). Autecology of an intertidal Alaskan harpacticoid copepod, *Apolethon* sp. *Hydrobiologia* 292/293: 361-367
- Schizas, NV and TC Shirley (1994). *Acrenhydrosoma maccalli*, (Copepoda, Harpacticoida) a new species from Auke Bay, Alaska. *Crustaceana* 67: 329-340
- Schizas, NV and TC Shirley (1994). *Onychocamptus krusensterni* (Copepoda, Harpacticoida, Laophontidae)- a new species from Krusenstern Lagoon, Alaska. *Crustaceana* 66: 227-239
- Schizas, NV and TC Shirley (1994). *Elapholaophonte decaceros* n gen and n sp (Copepoda, Harpacticoida) from the Philippines. *Journal of the American Microscopical Society* 113: 127-141
- Schizas, NV and TC Shirley (1994). Two new species of *Laophontodes* (Copepoda, Harpacticoida, Ancorabolidae) from McMurdo Sound, Antarctica. *Zoologica Scripta* 23: 205-216
- Shirley, TC, M Carls, JW Fleeger and N Schizas (1993). Meiofaunal recolonization experiment with oiled sediments: major meiofauna taxa. Exxon Valdez Oil Symposium, February 2-5, 1993, Anchorage AK, USA pp 350-353

## **Advisors**

MS - Thomas C. Shirley (Texas A&M) - 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)

## **Students Graduated**

Alexandra Galindo (MS, 2015 Co-Advisor)  
Dr. Diana Beltran (PhD, 2015 Co-Advisor)  
Alexandre Jassoud (MS, 2010) – Trans-Atlantic population structure of the common octopus *Octopus vulgaris*  
Monica Rojas (MS, 2010) – Molecular population structure of Caribbean ophiurids  
Danisse Ruiz-Ramos (MS, 2009) - Caribbean-wide molecular variation in the hydrocoral genus *Millepora*  
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  
Carlos Prada (MS, 2007-co-advisor) – Morphological and genetic variation in the octocoral *Plexaura flexuosa*

## **Current Students**

Martha Ricaurte (Ph.D. student)  
Alexandra Galindo (Ph.D. student)  
Matt Lucas (Ph.D. candidate – Co-Advisor)  
Chelsea Harms (Ph.D. candidate – Co-Advisor)  
Luis Rodriguez Matos (MS candidate)  
Mariel Cruz (MS candidate)  
Liajay Rivera (MS candidate)  
Ingrid Ortiz Gonzalez (MS candidate)  
Nick Hammerman (MS candidate)  
Myrnalis Castillo (MS candidate)  
Carlos Rivera Rosaly (MS candidate)  
Jaaziel Garcia (MS candidate – Co-Advisor)  
Juan Laverde (MS candidate)  
Gemilly Rosado Borrero (MS student)  
Luis Perez Leon (MS student)

## **Invited Seminars**

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).  
Mesophotic coral ecosystems of Puerto Rico and adjacent islands - Spanish Scientific Research Council/Universidad de la Laguna, Tenerife, Spain, November 18, 2011  
Mesophotic coral ecosystems of Puerto Rico and adjacent islands -National and Kapodistrian University of Athens, December 7, 2011  
Sangmyung University, South Korea, June 2010  
University of Massachusetts Dartmouth, February 11, 2005  
University of Puerto Rico, Rio Piedras, November 5, 2003

University of Alabama, Birmingham, July 18, 2003

## Presentations

2015

Rodriguez-Ferrer G, Schizas NV, Appeldoorn RA 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.

Schizas NV, Ortiz-González IC, E Weil. Delineating the status of the hydrocoral *Millepora* species in the Caribbean. Evolution 2015, Guarujá, 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, Guarujá, 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).

N 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).

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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).

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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)

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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)

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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)

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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)

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Schizas NV, Chandler TG, Coull BC, G.T. Street, J.M. Quattro. SETAC 18<sup>th</sup> Annual Meeting, 1997, San Francisco, USA Sediment contaminant effects on genetic diversity on estuarine meiofauna: New techniques and preliminary data. (Poster)

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