

Name: **Jose Victor Lopez, Ph.D.**
Mailing address: Nova Southeastern Univ. Oceanographic Center (NSU OC)
8000 N. Ocean Drive
Dania Beach FL 33004
Telephone: 954-262-3665, Fax: 954-262-4098
Email: Joslo@nova.edu
Homepage: http://www.nova.edu/ocean/overview/faculty-staff-profiles/jose_lopez.html

A. PROFESSIONAL PREPARATION

BS (Applied Biology) 1980-1984 *Georgia Institute of Technology, Atlanta, Georgia.*

MSc (Biological Sciences) 1985-1988. *The Florida State University, Tallahassee, Florida.*

PhD (Environmental Biology and Public Policy; Molecular Evolution). 1990-1995. *George Mason University, Fairfax, Virginia (GMU).*

Postdoctoral Fellow. *Naos Marine Laboratory, Smithsonian Tropical Research Institute, Panama.* 1995-1996. Developing molecular markers for differentiating sibling species of *Montastraea annularis* corals (Cnidaria: Scleractinia) with Dr. Nancy Knowlton.

Postdoctoral Fellow. *Division of Biomedical Research, Harbor Branch Oceanographic Institute, Ft. Pierce, FL.* 1997-1998. Molecular genetics of sponges with Dr. Shirley Pomponi.

B. APPOINTMENTS

Professor. *NSU Oceanographic Center, Center of Excellence in Coral Reef Ecosystem Sciences Nova Southeastern University, May 2013 - present.*

Associate Professor. MS Biological Sciences Academic Coordinator *NSU Oceanographic Center, Nova Southeastern University, July 2007–May 2013.*

Assistant Scientist. *Division of Biomedical Research, Harbor Branch Oceanographic Institution, Ft. Pierce, FL.* July 1998 – June 2007. Molecular genetics and evolution of marine invertebrates, and secondary metabolite biosynthesis. Marine sponge systematics and microbial symbioses.

Adjunct Faculty. *Department of Biology, Florida Institute of Technology, Melbourne FL.* September 1999 - present. To advise FIT graduate student research performed in conjunction with HBOI.

Adjunct Faculty. *Indian River Community College, Ft. Pierce, FL.* Sept 1997 - present. Teach undergraduate laboratories and classes in biotechnology.

C. SELECTED PRODUCTS

1. White, J, Patel, J., Ottesen, A., Arce, C., Blackwelder, P., Lopez, J.V. 2012. Pyrosequencing of microbes within *Axinella corrugata* sponges: Diversity and seasonal variability. PLoS ONE 7(6): e38204. doi:10.1371/journal.pone.0038204;
2. Hoffman, M. Fischer, M. Ottesen, A. McCarthy, P.J., Lopez, J.V., Brown, E. Monday. S. 2010 Population dynamics of *Vibrio* spp. Associated with Marine sponge microcosms. ISME Journal. 4(12):1608-12. Epub 2010 Jul 1.
- 3 Hill, M., Hill, A., Lopez, J., Pomponi, S., et al Nuclear housekeeping genes help resolve demosponge relationships and taxonomy. PLoS ONE 8(1): e50437.
4. Hoffmann M, Monday SR, Allard MW, Strain EA, Whittaker P, Naum M, McCarthy PJ, Lopez JV, Fischer M, Brown EW.. *Vibrio caribbeanicus* sp. Nov., isolated from marine sponge *Scleritoderma cyanea*. Int Jour Systematic Evol Microbiology. 62, 1736–1743 .
5. GIGA Community of Scientists (Lopez JV as lead author). The Global Invertebrate Genomics Alliance (GIGA): Developing Community Resources to Study Diverse Invertebrates. Journal of Heredity. In Press.
6. Negandhi, K., Blackwelder, P.L, Ereskovsky, A.V., Lopez, J.V. 2010 Florida Reef Sponges Harbor Coral Disease-Associated Bacteria. Symbiosis 51: 117 – 129.
7. Lopez, J.V., Mouzon, B., McCarthy, P.J., Kerr, R. 2009 The many faces of gene expression profiling: Transcriptome analyses applied towards elucidating marine organismal interactions and metabolism. Textbook on Molecular Biotechnology. IK International Publishing House Pvt. Ltd Amity University Uttar Pradesh (AUUP), ISBN 978-93-80026-37-4. Pp 287-304.

8. Sfanos, K.A.Sandell., Harmody, D.K., McCarthy, P.J., Dang, P., Pomponi, S.A. and J.V. Lopez. 2005. A Molecular Systematic Survey of Cultured Microbial Associates of Deep Water Marine Invertebrates. *System Appl Microbiol.* 28 (3):242-264.
9. Cassler, M., Winegar, R. , McCarthy, P.J., Pomponi, S.A., Peterson, C.L, Wright, A.E, Lopez, J.V. 2008. Use of Real-Time PCR to quantitate the unculturable heterotrophic bacterial community in deep sea marine sponges of the family Lithistidae. *Microbial Ecology.* 55:384-394.
10. Lopez, J.V. Peterson, C.L., Willoughby, R., Wright, A.E., Enright, E., Zoladz, S., Pomponi, S.A. 2002. Characterization of genetic markers for in vitro cell line identification of the marine sponge, *Axinella corrugata*. *Journal of Heredity.* 93:27-36.

D. SYNERGIST ACTIVITIES

- NSF advisor to 8 NSF REU students and 5 HBOI summer interns within the past 3 years
- Morris Animal Foundation (MAF) Wildlife Scientific Advisory Board member (2003-2005)
- Instructor in Workforce Alliance of Palm Beach/FAU program to teach Biotechnology laboratory techniques to mature and returning students at Indian River Community College (2005- 2006)
- International Census of Marine Microbes workshop (June 12-15, 2006) participant
- Mentor to undergraduate research projects at NSU Farquhar College of Arts and Sciences
- Coordinator for 2009 Darwin Day symposium; 2010 Richard Dawkins Symposium co-event, Farquhar College of Arts and Sciences
- Undergraduate Spring Symposium oral presentation judge
- Associate Editor, *Journal of Heredity*; *The Scientific World Journal*
- DOE Title V Faculty Development Director
- Primary organizer for the first GIGA - "Global Invertebrate Genome Alliance" workshop – giga.nova.edu
- Central sample processor for US sponge samples used in the Earth Microbiome Project

COLLABORATORS WITHIN LAST 48 MONTHS

Gretchen Bielmyer – Valdosta State Univ; Eric Brown -FDA; T. Brueck - Süd-Chemie AG; Marilyn Brandt (University of the US Virgin Islands); Allen Collins -Smithsonian Institution; Sara Edge – HBOI; Robert Feldman - SymBio Corp; Nicole Fogarty- Nova Southeastern University; Piero Gardenli – Florida International University (FIU); Gilbert, Univ of Chicago; Ute Hentschel, University of Wuerzburg; Malcolm and April Hill - Univ Richmond; Jack Russell Hilll, Univ of Maryland; A.R. Hoelzel, Univ of Durham; Hidetoshi Urakawa (Florida Gulf Coast University); Dennis Lavrov - Iowa State Univ; Peter J. McCarthy -HBOI; Stephen J O'Brien (Nova Southeastern University); Andrea Ottesen, FDA; Valerie Paul - Smithsonian Institution; Shirley A. Pomponi - HBOI; Mihai Pop - Univ. Maryland; Niamh Redmond- Smithsonian Institution; Kathleen Rein, Laurie Richardson - FIU; Bernhard Riegl – NSU; Kimberly Ritchie – Mote Marine Lab; Lory Santiago-Vasquez- Univ of Houston; Robert Thacker, Univ. Alabama; Robert Thacker - Univ Alabama; Rebecca Vega Thurber, Oregon State Univ; James White, Univ of MD.

PREVIOUS ADVISORS

- Dr. Stephen J. O'Brien (Ph.D. Advisor) Laboratory of Genomic Diversity, National Cancer Institute-FCRDC Frederick, MD 21702 Tele: 301-846-1296/fax:01-846-1686
- Dr Nancy Knowlton (Postdoctoral Advisor) Marine Biology Research Division 0202 Scripps Institution of Oceanography, University of California San Diego La Jolla, CA 92093-0202; Tele: 619-822-2486; fax: 619-534-7313
- Dr. Shirley Pomponi (Postdoctoral Advisor) Harbor Branch Oceanographic Institution, Ft Pierce, FL 34946; Tele: 561-465-2400; fax: 561-461-2221

THESIS SPONSOR AND POSTGRADUATE MENTOR (10 graduated, 8 current)

Current

7 Master of Science Chairs

1 PhD Chair