

Francisco-Ortega, Curriculum Vitae, January 2018

CURRICULUM VITAE
Javier Francisco-Ortega
International Center for Tropical Botany
Department of Biological Sciences
Latin American and Caribbean Center
Cuban Research Institute
Florida International University
Miami FL 33199, U.S.A.
&
Fairchild Tropical Botanic Garden,
Miami FL 33156, U.S.A.

Email: ortegaj@fiu.edu

Phone: 305-348-2080

Web-page [http: http://www.fairchildgarden.org/about-fairchild/staff/javier-francisco-ortega](http://www.fairchildgarden.org/about-fairchild/staff/javier-francisco-ortega)

EDUCATION

<u>Degree</u>	<u>Institution</u>	<u>Field</u>	<u>Dates</u>
Ph.D.	School of Biological Sciences, The University of Birmingham, Great Britain	Biological Sciences	1992
M.Sc.	School of Biological Sciences, The University of Birmingham, Great Britain	Conservation and Utilization of Plant Genetic Resources	1988
B.Sc.	Escuela Técnica Superior de Ingenieros Agrónomos, Madrid, Spain	Crop Production and Horticulture	1987

FULL-TIME ACADEMIC EXPERIENCE

<u>Institution</u>	<u>Rank</u>	<u>Field</u>	<u>Dates</u>
Florida International University	Professor	Plant Molecular Systematics	06/2012 – Present
Florida International University	Associate Professor	Plant Molecular Systematics	08/2004 – 05/2012
Fairchild Tropical Bot. Gard.	Laboratory Head	Plant Molecular Systematics	01/1999 – Present
Florida International University	Assistant Professor	Plant Molecular Systematics	01/1999 – 07/2004
Universidad de La Laguna, Canary Islands	Lecturer	Plant Genetics and Breeding	01/1997 – 12/1998
University of Texas at Austin	Postdoctoral Fellow	Plant Molecular	01/1994 – 12/1996

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		Systematics	
Ohio State University	Postdoctoral Fellow	Plant Molecular Systematics	01/1993 – 12/1994
University of Reading, Great Britain	Postdoctoral Fellow	Plant Genetic Resource Conservation	02/1992 – 12/1992

EMPLOYMENT RECORD AT FLORIDA INTERNATIONAL UNIVERSITY

<u>Rank</u>	<u>Dates</u>
Professor	06/2012 – Present
Associate Professor	08/2004 – 05/2012
Assistant Professor	01/1999 – 07/2004

APPOINTMENTS AT FAIRCHILD TROPICAL BOTANIC GARDEN

<u>Rank</u>	<u>Dates</u>
Head of Plant Molecular Systematics Laboratory	01/1999 - Present
Manager of the Fairchild Challenge Program	05/2011 – 05/2012

PUBLICATIONS IN DISCIPLINE

* = Graduate student who had Dr. Francisco-Ortega as his/her major professor; ** = Undergraduate Student; ϕ = Graduate student completed a significant portion of the research in Dr. Francisco-Ortega's laboratory; however, Dr. Francisco-Ortega was not the major professor; \S = Graduate student from another university; \boxtimes = Dr. Francisco-Ortega is at least one of the corresponding authors; NPR = Not Peer Reviewed Publication (37 articles).

214.- MOLERO, J.; ROMEIRAS, M.M.; DUARTE, C.; SANTOS-GUERRA, A.; JESTROW, B. & \boxtimes FRANCISCO-ORTEGA, J. (In press). *Euphorbia tuckeyana*. Curtis's Botanical Magazine.

213.- \boxtimes FRANCISCO-ORTEGA, J.; ANDRÉ, N.; PICARD, L.; ADME, R.; CINEA, W.; PEGUERO, B., HALL, G.; BROUILLET, L.; JESTROW, B. & ZONA, S. (In press). Brother Marie-Victorin's account of his second trip to Haiti. Moscosoa.

212.- \boxtimes FRANCISCO-ORTEGA, J.; BACALLADO, J.J.; SALVESEN, K.; JESTROW, B.; FREID, E. & MANCO, N. (In press). Las Bahamas: fauna y flora terrestres en el Trópico de Cáncer. Makaronesia.

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- 211.- BRAMWELL, D.; DE MELO AZEVEDO, A.I.; SANTOS-GUERRA, A. & ✉FRANCISCO-ORTEGA, J. (In press). William Trelease and the Macaronesian flora: an introduction to his trips, works and collections. *Vieraea*.
- 210.- CARVALHO, J.A.; RICO, L.; SANTOS-GUERRA, A.; DUARTE, M.C.; ROMEIRAS, M.M. & ✉FRANCISCO-ORTEGA, J. (2018). *Echium nervosum*. *Curtis's Botanical Magazine* 35: 63-74.
- 209.- NPR FRANCISCO-ORTEGA, J.; JESTROW, B.; HUSBY, C.; GRIFFITHS, M. & LEWIS, C. (2018). The Garden's early plantings. *The Tropical Garden* 73(1): 43-47.
- 208.- NPR FRANCISCO-ORTEGA, J. (2018). Earliest known color photos of Montgomery found at University of Montreal. *Montgomery Botanical News Spring/Summer 2018*: 12.
- 207.- NPR OVIEDO PRIETO, R.; BRULL, G.; *CALONJE, M.A.; GONZÁLEZ-OLIVA, L.; FRANCISCO-ORTEGA, J. & CHAVES, R. (2017). Proyecto estado de conservación de poblaciones de Zamiaceae en Cuba. *Flora y Fauna* 21: 19-25.
- 206.- *COMMOCK, T.; ROSE, P.E.; GANDHI, K.N.; CAMPBELL, K.S.E.; WURDACK, K.J.; FRANCISCO-ORTEGA, J. & JESTROW, B. (2017). Typification and nomenclature of five taxa endemic to Jamaica. *Harvard Papers in Botany* 22: 137-140.
- 205.- NPR FRANCISCO-ORTEGA, J. & SCHOKMAN, L. (2017). The earliest color photos of Dr. David Fairchild. *The Tropical Garden* 72(4): 52-53.
- 204.- ZONA, S.; HASS, M.; FICKEROVÁ, M.; MARDONOVICH, S.; SANDERFORD, K.; FRANCISCO-ORTEGA, J. & JESTROW, B. (2018). Mainland and island populations of *Coccothrinax argentata* (Arecaceae): revisiting the common garden experiment in its 24th year. *Systematic Botany* 43: 153-161.
- 203.- RICO, L.; DUARTE, M.C.; ROMEIRAS, M.M.; SANTOS-GUERRA, A.; NEPI, C. & ✉FRANCISCO-ORTEGA, J. (2017). Joseph D. Hooker's 1939 Cape Verde collections. *Curtis's Botanical Magazine* 34: 146-168.
- 202.- FRANCISCO-ORTEGA, J. & SÁNCHEZ-PINTO, L. (In press). Iconografía de plantas de Canarias. *Vieraea Suplemento monográfico*.
- 201.- FRANCISCO-ORTEGA, J.; SANTIAGO-VALENTÍN, E.; SANTOS-GUERRA, A.; SÁNCHEZ-PINTO, E.; CONCEPCIÓN-PÉREZ, A.; HERNÁNDEZ GONZÁLEZ, M.J.; TARQUIS, A.M. & GONZÁLEZ, G. (In press). Domingo Bello y Espinosa en las Islas Canarias: La labor de un gran naturalista y humanista. *Rincones del Atlántico*.
- 200.- GRIFFITH, M.P.; *CALONJE, M.; MEEROW, A.W.; FRANCISCO-ORTEGA, J.; KNOWLES, L.; AGUILAR, R.; TUT, F.; SÁNCHEZ, V.; MEYER, A.; NOBLICK, L.R. & MAGELLAN, T.M. (2017). Will the same ex situ protocols give similar results for closely related species? *Biodiversity and Conservation* 26: 2951-2966.
- 199.- ✉FRANCISCO-ORTEGA, J.; SWAN, M.; CINEA, W.; BEAUSSEJOUR, N.; KORBER, N.; LATHAM, J.M. & JESTROW, B. (2018). David Fairchild's plant hunting expeditions in Haiti. *Huntia*.
- 198.- JESTROW, B.; PEGUERO, B.; JIMÉNEZ, F.; VERDECIA, R.; GONZÁLEZ OLIVA, L.; MOYA, C.E.; CINEA, W.; GRIFFITH, M.P.; MEEROW, A.W.; MAUNDER, M. & ✉FRANCISCO-ORTEGA, J. (2018). A conservation framework for the highly threatened endemic species of the Caribbean palm

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LAS-LEIVA, D.; MEEROW, A.; *CALONJE, M.; **FRANCISCO-ORTEGA, J.**; GRIFFITH, M.P.; NAKAMURA, K.; SÁNCHEZ, V.; KNOWLES, L. & KNOWLES, D. (2017). Shifting Quaternary migration patterns in the Bahamian archipelago: evidence from the *Zamia pumila* complex (Cycadales: Zamiaceae) at the northern limits of the Caribbean island biodiversity hotspot. *American Journal of Botany* 104: 757-771.

196.- ☒**FRANCISCO-ORTEGA, J.**; BROUILLET, L.; HALL, G.; SANTOS-GUERRA, A.; SUÁREZ MARTÍN, P.; SÁNCHEZ-PINTO, L.; **JEAN-LOUIS, A. & ZONA, S. (2017). Brother Marie-Victorin in the Canary Islands in 1929. *Webbia* 72: 53-61.

195.- **NPR** ☒**FRANCISCO-ORTEGA, J.**; GARRIGÓ, J.R.; BROUILLET, L.; HALL, G.; ANDRÉ, N.; CINEA, W.; SANTIAGO-VALENTÍN, E.; ZONA, S. & JESTROW, B. (2016). The Brothers of La Salle and Caribbean botany. *The Tropical Garden* 71(4): 22-25.

194.- SANTIAGO-VALENTÍN, E.; **FRANCOIS, B.J.; HALL, G., BROUILLET, L. & ☒**FRANCISCO-ORTEGA, J.** (2016). *Images Floristiques Portoricaines: El diario del viaje a Puerto Rico del Hermano Marie-Victorin, 1942*. *Revista del Jardín Botánico Nacional Universidad de La Habana* 37: 121-143.

193.- ROSE, P.E.; CAMPBELL, K.C.; COMMOCK, T.; KORBER, N.; MOSELY, J.; SWAN, M.; JESTROW, B. & ☒**FRANCISCO-ORTEGA, J.** (2017). David Fairchild's expedition to Jamaica on board Utowana. *Journal of the Torrey Botanical Club* 144: 139-152.

192.- **NPR** ☒**FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; ROMEIRAS, M.M.; CARINE, M.; ROUHAN, G.; SANCHEZ-PINTO, L.; SANTIAGO-VALENTIN, E. & DUARTE, M.C. (2016). Plant exploration and botanical art in the Atlantic Islands. *The Tropical Garden* 72(2): 30-33.

191.- JESTROW, B.; PEGUERO, B.; JIMÉNEZ, F.; CINEA, W.; HASS, M.; REEVE, A.; MEEROW, A.W.; GRIFFITH, A.P.; MAUNDER, M. & ☒**FRANCISCO-ORTEGA, J.** (2016). Genetic diversity and differentiation of the Critically Endangered Hispaniolan palm *Coccothrinax jimenezii* M.M. Mejía & R.G. García based on novel SSR markers. *Biochemical Systematics and Ecology* 66: 216-223.

190.- *OLEAS, N.H.; MEEROW, A.W. & **FRANCISCO-ORTEGA, J.** (2016). Genetic structure of the threatened *Phaedranassa schizantha* Baker. *Botanical Journal of the Linnean Society* 182: 169-179.

189.- ☒**FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; SÁNCHEZ-PINTO, L.; DUARTE, M.C.; ROUHAN, G.; SANTIAGO-VALENTÍN, E.; CARINE, M.A. & ROMEIRAS, M.M. (2015). Early scientific illustrations of the Macaronesian flora: An introduction to pre-19th century artworks. *Vieraea* 43: 219-308.

188.- KORBER, N.; NASSAR, J.M.; MOSELY, J.; JESTROW, B.; LEWIS, C. & ☒**FRANCISCO-ORTEGA, J.** (2016). The last plant hunting expedition of David Fairchild: Venezuela and Colombia (March-April 1948). *Brittonia* 68: 170-186.

187.- ☒**FRANCISCO-ORTEGA, J.**; BROUILLET, L.; SANTOS-GUERRA, A.; SÁNCHEZ-PINTO, L.; JESTROW, B. & ZONA, S. (2106). El Hermano Marie-Victorin: desde Canadá a Canarias en periplo botánico por tres continentes durante 1929. *Makaronesia* 17: 88-101.

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- 186.- ✉**FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; ROMEIRAS, M.M.; CARINE, M.A.; SÁNCHEZ-PINTO, L. & DUARTE, M.C. (2015). The botany of the three voyages of Captain Cook in Macaronesia: an introduction. *Revista de la Academia Canaria de Ciencias* 27: 357-410.
- 185.- **NPR** JESTROW, B.; PEGUERO, B.; JOSEPH, P.A.; CINEA, W. & **FRANCISCO-ORTEGA, J.** (In press). Exploring the northern lowlands of Haiti. *The Tropical Garden* 71(4): 21-25.
- 184.- **NPR** JESTROW, J.; SANTOS-GUERRA, A.; REYES-BETANCORT, A. & **FRANCISCO-ORTEGA, J.** (2015). Exploring for plants in the Canary Islands. *The Tropical Garden* 70(1): 23-25.
- 183.- PEGUERO, B.; JIMÉNEZ, B.; JOSEPH, P.A.; CINEA, W.; GRIFFITH, M.P.; **FRANCISCO-ORTEGA, J.** & JESTROW, B. (2015). *Coccothrinax jimenezii* – A Critically Endangered palm from Hispaniola. *Palms* 59: 145-153.
- 182.- SANTIAGO-VALENTÍN, E.; SÁNCHEZ-PINTO, L. & **FRANCISCO-ORTEGA, J.** (2015). Domingo Bello y Espinosa (1817-1884) and the new taxa published in his *Apuntes para la Flora de Puerto Rico*. *Taxon* 64: 323-349.
- 181.- ZONA, S.; ALVAREZ DE ZAYAS, R.; ORELLANA, R.; OVIEDO, R.; JESTROW, B. & ✉**FRANCISCO-ORTEGA, J.** (2014). *Dracaena* L. (Asparagaceae) in the Americas: its history and botany. *Vieraea* 42: 219-240.
- 180.- *COMMOCK, T.; CAMPBELL, K.S.E.; MEIKLE, J.; **FRANCISCO-ORTEGA, J.** & JESTROW, B. (2015). Conservation and taxonomic updates for the Jamaican endemic genus *Dendrocousinsia* (Euphorbiaceae). *Brittonia* 67: 87-95.
- 179.- SANTIAGO-VALENTÍN, E., SÁNCHEZ-PINTO, L. & **FRANCISCO-ORTEGA, J.** (2014). Domingo Bello y Espinosa: desde Canarias a las Antillas—Sus estudios de la flora Puerto Rico del siglo XIX. *Makaronesia* 15: 162-175.
- 178.- MEEROW, A.W.; NOBLICK, L.; SALAS-LEIVA, D.E.; SANCHEZ, V.; **FRANCISCO-ORTEGA, J.**; JESTROW, B. & NAKAMURA, K. (2014). When species trees collide: phylogeny and historical biogeography of the cocosoid palms (Arecaceae, Arecoideae, Cocoseae) inferred from sequences of six WRKY gene family loci. *Cladistics* 30: 1-26.
- 177.- *RODRÍGUEZ-PEÑA, R.A.; JESTROW, B.; MEEROW, A.W.; CLASE, T.; JIMÉNEZ-RODRÍGUEZ, F.; GRIFFITH, M.P.; SANTIAGO-VALENTIN, E.; SUSTACHE-SUSTACHE, J.A. & **FRANCISCO-ORTEGA, J.** (2014). Genetic diversity and differentiation of *Pseudophoenix* (Arecaceae) in Hispaniola. *Botanical Journal of the Linnean Society* 176: 469-485.
- 176.- **NPR** ✉**FRANCISCO-ORTEGA, J.**; JESTROW, B. & FREID, E. (2014). Plants, research, conservation, and education in the Bahama Archipelago. The emerging picture. *Botanical Review* 80: 148-151.
- 175.- *OLEAS, N.H.; MEEROW, A.W.; FEELEY, K.J.; GEBELEIN, J. & **FRANCISCO-ORTEGA, J.** (2014). Using species distribution models as a tool to discover new populations of *Phaedranassa brevifolia* Meerow, 1987. *Checklist* 10: 689-691.
- 174.- **CHIN, C.; PRIESTAP, H.A.; VEISAGA, M.L.; COMMOCK, T.; CAMPBELL, K.; JESTROW, B.; **FRANCISCO-ORTEGA, J.** & BARBIERI, A. (2014). Antiproliferative effect of *Portlandia* extracts and their fractions on breast cancer cells. *European Journal of Medicinal Plants* 4: 1186-1199.

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- 173.- LIU, Z.-J.; ZHAI, J.W.; ZHANG, Q.-Q.; LI, L.; WANG, M.; CHEN, L.J.; CHUNG, S.-W.; RODRÍGUEZ, F.; **FRANCISCO-ORTEGA, J.**; LAN, S.-R. & XING, F.-W. (2014). A new phylogenetic analysis sheds new light on the relationships in the *Calanthe* alliance (Orchidaceae) in China. *Molecular Phylogenetics and Evolution* 77: 216-222.
- 172.- *RODRÍGUEZ-PEÑA, R.A.; JESTROW, B.; CINEA, W.; VELOZ, A.; JIMÉNEZ-RODRÍGUEZ, F.; GARCÍA, R.; MEEROW, A.W.; GRIFFITH, M.P.; MAUNDER, M. & **FRANCISCO-ORTEGA, J.** (2014). Conservation and genetics of two Critically Endangered Hispaniolan palms – Genetic erosion of *Pseudophoenix lediniana* in contrast to *P. ekmanii*. *Plant Systematics and Evolution* 300: 2019-2027.
- 171.- SALAS-LEIVA, D.E.; MEEROW, A.W.; **FRANCISCO-ORTEGA, J.**; *CALONJE, M.; GRIFFITH, M.P.; STEVENSON, D.W. & NAKAMURA, K. (2014). Conserved genetic regions across angiosperms help develop low copy nuclear markers in gymnosperms: an example using cycads. *Molecular Ecology Resources* 14: 831-845.
- 170.- ROMEIRAS, M.M.; DUARTE, M.C.; SANTOS-GUERRA, A.; CARINE, M. & **FRANCISCO-ORTEGA, J.** (2014). Botanical exploration of the Cape Verde Islands: from the pre-Linnaean records and collections to the late 18th century floristic accounts and expeditions. *Taxon* 30: 625-640.
- 169.- CAREY, E.; GAPE, L.; MANCO, B.N.; HEPBURN, D.; SMITH, R.L.; KNOWLES, L.; KNOWLES, D.; DANIELS, D.; VINCENT, M.A.; FREID, E.; JESTROW, B.; *CALONJE, M.; MEEROW, A.W.; GRIFFITH, M.P.; STEVENSON, D.W. & **FRANCISCO-ORTEGA, J.** (2014). Plant conservation challenges in the Bahama archipelago. *Botanical Review* 80: 265-282.
- 168.- FREID, E.; **FRANCISCO-ORTEGA, J.** & JESTROW, B. (2014). Endemic seed plants in the Bahamian archipelago. *Botanical Review* 80: 204-230.
- 167.- **NPR** GRIFFITH, M.P., **FRANCISCO-ORTEGA, J.** & CRIBRIAN JARAMILLO, A. (2013). Special issue on genetics and plant conservation in Latin America. *Botanical Review* 79: 447-448.
- 166.- PRIESTAP, H.; **CHIN, C.; VEISAGA, M.L.; COMMOCK, T.; CAMPBELL, K.; JESTROW, B.; **FRANCISCO-ORTEGA, J.** & BARBIERI, M. (2014). Volatile constituents of five species of *Portlandia* (Rubiaceae). *Journal of Essential Oil Research* 26: 125-129.
- 165.- **FRANCISCO-ORTEGA, J.** & ZONA, S. (2013). Sweet sap from palms, a source of beverages, alcohol, vinegar, syrup, and sugar. *Vieraea* 41: 91-113.
- 164.- **FRANCISCO-ORTEGA, J.** (2013). Viera y Clavijo, Arnoldo Santos y los siglos de las luces. *Vieraea* 41: 5-20.
- 163.- SALAS-LEIVA, D.E.; MEEROW, A.W.; CALONJE, M.; GRIFFITH, M.P.; **FRANCISCO-ORTEGA, J.**; STEVENSON, D.W.; NAKAMURA, K.; LEWIS, C.E. & NAMOFF, S. (2013). Phylogeny of the cycads based on multiple single copy nuclear genes: congruence of concatenated parsimony, likelihood, and species tree inference methods. *Annals of Botany* 112: 1263-1278.
- 162.- **FRANCISCO-ORTEGA, J.**; KORBER, N.; SWAN, N.; MOSELY, J.; FREID, E. & JESTROW, B. (2014). Plant hunting expeditions of David Fairchild to The Bahamas. *Botanical Review* 80: 164-183.

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- 161.- JESTROW, B.; FREID, E.; ARANGO-ARCES, S. & **FRANCISCO-ORTEGA, J.** (2014). The Bahamian flora: plant exploration, living collections, and DNA – A journey started in 1963. *Botanical Review* 80: 231-244.
- 160.- **NPR** MOSLEY, J.; CAREY, E.; HEPBURN, D.; JESTROW, B. & **FRANCISCO-ORTEGA, J.** (2013). Building on the Flora of the Bahama Archipelago. *The Tropical Garden* 68(1): 28-31.
- 159.- **NPR** JESTROW, B.; VALDES, J.; JIMENEZ RODRIGUEZ, F. & **FRANCISCO-ORTEGA, J.** (2013). *Pilea fairchildiana*. An unusual, re-classified, succulent earns a new name honoring Dr. David Fairchild. *The Tropical Garden* 68(1): 34-35.
- 158.- **NPR FRANCISCO-ORTEGA, J.** (2012). *Pseudophoenix lediniana* in the wild. *Palms* 56: 202.
- 157.- *LAUBENGAYER, K.; ZONA, S.; SANTIAGO-VALENTIN, E.; HUSBY, C. & **FRANCISCO-ORTEGA, J.** (2012). Morphometric analysis of *Aiphanes minima* across the Antilles. *Harvard Papers in Botany* 17: 299-305.
- 156.- MEEROW, A.; **FRANCISCO-ORTEGA, J.**; CALONJE, M.; GRIFFITH, M.P.; AYALA-SILVA, T.; STEVENSON, D. & NAKAMURA, K. (2012). *Zamia* (Cycadales: Zamiaceae) on Puerto Rico: asymmetric genetic differentiation and the hypothesis of multiple introductions. *American Journal of Botany* 99: 1828-1839.
- 155.- KORBER, N.; GELBERG, L.E.; MOSELY, J.; SWAN, M.; FREID, E.; JESTROW, B. & **FRANCISCO-ORTEGA, J.** (2013). The unpublished autobiography of Donovan Correll (1908-1983): accounts on Fairchild Tropical Botanic Garden and Bahamian Plants. *Moscoso* 18: 85-103.
- 154.- **NPR** JESTROW, B.; FREID, E.; LOPEZ, J.; CAREY, E.; HEPBURN, D.; KORBER, N.; MOSELY, J. & **FRANCISCO-ORTEGA, J.** (2012). Flora of the Bahama Archipelago: Celebrating a 30 year Fairchild research milestone. *The Tropical Garden* 67(3): 46-52.
- 153.- **NPR** **FRANCISCO-ORTEGA, J.**; KORBER, N.; MOSELY, J.; SWAN, M.; FREID, E. & JESTROW, B. (2012). David Fairchild's Bahamian plant collecting trips. *The Tropical Garden* 67(3): 68-69.
- 152.- SANTIAGO-VALENTÍN, E.; SUSTACHE-SUSTACHE, J.; **FRANCISCO-ORTEGA, J.**; *CIELO FIGUEROLA, C.; *FUMERO-CABÁN, J. & GRIFFITH, P. (2012). *Pseudophoenix sargentii* on Mona Island: Conservation survey and a new discovery. *Palms* 56: 78-90.
- 151.- **FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; SANCHEZ-PINTO, L. & MAUNDER, M. (2012). Early cultivation of Macaronesian plants in three European botanic gardens. *Revista de la Academia Canaria de Ciencias* 23: 113-143.
- 150.- JESTROW, B.; VALDÉS, J.J.; JIMÉNEZ RODRÍGUEZ, F. & **FRANCISCO-ORTEGA, J.** (2012). Phylogenetic placement of the Dominican Republic endemic genus *Sarcopilea* (Urticaceae). *Taxon* 61: 592-600.
- 149.- *GEIGER, J.; MEEROW, A.W.; LEWIS, C.; OVIEDO, R. & **FRANCISCO-ORTEGA, J.** (2014). Genetic diversity and conservation of *Ipomoea microdactyla* (Convolvulaceae) – An endemic vine from the Bahamas, Cuba, and southeastern Florida. *Plant Species Biology* 29: 2-15.

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148.- *OLEAS, N.; MEEROW, A.W. & **FRANCISCO-ORTEGA, J.** (2012). Population dynamics of the endangered plant, *Phaedranassa tunguraguae*, from the Tropical Andean hotspot. *Journal of Heredity* 103: 557-569.

147.- *MOYNIHAN, J.; STEVENSON, D.Wm.; LEWIS, C.E.; VOVIDES, A.P.; CAPUTO, P. & **FRANCISCO-ORTEGA, J.** (2012). A phylogenetic study of *Dioon* Lind. (Zamiaceae, Cycadales), based on morphology, nuclear ribosomal DNA, a low copy nuclear gene and plastid RFLPs. *Memoirs of New York Botanical Garden* 106: 448-479.

146.- *MOYNIHAN, J.; GONZALEZ-ASTORGA, J.; VOVIDES, A.P.; & **FRANCISCO-ORTEGA, J.** (2012). Population genetic diversity in the *Dioon edule* Lindl. species complex (Zamiaceae, Cycadales): evidence from microsatellite data. *Memoirs of New York Botanical Garden* 106: 224-249.

145.- MEEROW, A.; **FRANCISCO-ORTEGA, J.**; AYALA-SILVA, T.; STEVENSON, D. & NAKAMURA, K. (2012). Population genetics of *Zamia* in Puerto Rico, a study with ten SSR loci. *Memoirs of New York Botanical Garden* 106: 204-223.

144.- *CALONJE, M.; MEEROW, A.W.; KNOWLES, L.; KNOWLES, D.; GRIFFITH, P; NAKAMURA, K. & **FRANCISCO-ORTEGA, J.** (2013). Cycad biodiversity in the Bahama Archipelago and conservation genetics of the Critically Endangered *Zamia lucayana* (Zamiaceae). *Oryx* 47: 190-198.

143.- **FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; MOSELY, J. L.; KORBE, N. & SWAN, M. (2012). David Fairchild expeditions to the Canary Islands. Plant collections and research outcomes. *Brittonia* 64: 421-437.

142.- CIBRIAN-JARAMILLO, A.; HIRD, A.; OLEAS, N.; MA, H.; MEEROW, A.W.; **FRANCISCO-ORTEGA, J.** & PATRICK, G. (2013). What is the conservation value of a plant in a botanic garden? Using indicators to improve management of *ex situ* collections. *Botanical Review* 79: 559-577.

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- 57.- COULADIS, M.; TSORTANIDOU, V.; VERYKOKIDOU, E.; **FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A. & HARVALA, C. (2001). Composition of the essential oils of *Argyranthemum* species growing in Canary Islands. *Flavour and Fragrance Journal* 16: 103-106.
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- 55.- ☒**FRANCISCO-ORTEGA, J.**; PARK, S.-J.; SANTOS-GUERRA, A.; BENABID, A. & JANSEN, R.K. (2001). Origin and evolution of Macaronesian endemic taxa of the Inuleae (Asteraceae): Evidence from internal transcribed spacers of nuclear ribosomal DNA. *Biological Journal of the Linnean Society* 72: 77-97.
- 54.- ☒**FRANCISCO-ORTEGA, J.**; §BARBER, J.; SANTOS-GUERRA, A.; FEBLES, R. & JANSEN, R.K. (2001). Origin and evolution of the endemic genera of Gonosperminae (Asteraceae: Anthemideae) from the Canary Islands: Evidence from nucleotide sequences of the internal transcribed spacers of the nuclear ribosomal DNA. *American Journal of Botany* 88: 161-169.
- 53.- ☒**FRANCISCO-ORTEGA, J.** & SANTOS-GUERRA, A. (2001). Genes y conservación de plantas vasculares. In: Palacios, J. M. & Martín-Esquivel, J. (eds.). Pp. 357-365. *Naturaleza de las Islas Canarias*. Turquesa, Santa Cruz de Tenerife, Canary Islands.
- 52.- MARRERO, A. & **FRANCISCO-ORTEGA, J.** (2001). Evolución en islas: la forma en el tiempo. In: Palacios, J. M. & Martín-Esquivel, J. (eds.). Pp. 141-149. *Naturaleza de las Islas Canarias*. Turquesa, Santa Cruz de Tenerife, Canary Islands.
- 51.- MARRERO, A. & **FRANCISCO-ORTEGA, J.** (2001). Evolución en islas: La metáfora espacio-tiempo-forma. In: Palacios, J.M. & Martín-Esquivel, J. (eds.). Pp. 133-140. *Naturaleza de las Islas Canarias*. Turquesa, Santa Cruz de Tenerife, Canary Islands.

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- 49.- **NPR FRANCISCO-ORTEGA, J.**; BOGLER, D.J.; *TRUSTY, J. & *ANDRUS, N. (2000). Research in the garden: Molecules, plants, and islands. *Garden Views* 55(4): 16-17.
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- 46.- LINDER, C.R.; §GOERTZEN, L.R.; VABDEN HEUVEL, B.; **FRANCISCO-ORTEGA, J.** & JANSEN, R.K. (2000). The complete external transcribed spacer of 18s-26s rDNA: Amplification and phylogenetic utility at low taxonomic levels in Asteraceae and closely related allied families. *Molecular Phylogenetics and Evolution* 14: 285-303.
- 45.- GUALA, G.; BOGLER, D.J.; †SADLE, J. & **FRANCISCO-ORTEGA, J.** (2000). Molecular evidence for polyphyly in the genus *Apoclada* (Poaceae: Bambusoideae). *Bamboo Science and Culture* 14: 15-20.
- 44.- ☒**FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; §KIM, S.-C. & CRAWFORD, D.J. (2000). Plant genetic diversity in the Canary Islands: A conservation perspective. *American Journal of Botany* 87: 909-919.
- 43.- ☒**FRANCISCO-ORTEGA, J.**; FUERTES-AGUILAR, J.; SANTOS-GUERRA, A.; GÓMEZ-CAMPO, C. & JANSEN, R.K. (1999). Internal Transcribed Spacer sequence phylogeny of *Crambe* L. (Brassicaceae): Molecular data reveal two old world disjunctions. *Molecular Phylogenetics and Evolution* 11: 361-380.
- 42.- §KIM, S.C.; CRAWFORD, D.J.; **FRANCISCO-ORTEGA, J.** & SANTOS-GUERRA, A. (1999). Adaptive radiation and genetic differentiation in the woody *Sonchus* alliance (Asteraceae: Sonchinae) in the Canary Islands. *Plant Systematics and Evolution* 215: 101-118.
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- 39.- ☒**FRANCISCO-ORTEGA, J.** & SANTOS-GUERRA, A. (1999). Early evidence of plant hunting in the Canary Islands from 1694. *Archives of Natural History* 26: 237-265.
- 38.- LESTER, R.N.; **FRANCISCO-ORTEGA, J.** & §AL-ANI, M. (1999). Convergent evolution of heterandry (unequal stamens) in *Solanum* proved by spermoderm SEM. In: Nee, M., Simmons, D.,

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37.- BALDWIN, B.; CRAWFORD, D.J.; **FRANCISCO-ORTEGA, J.**; §KIM, S.-C.; & STUESSY, T.F. (1998). Molecular phylogenetic insights on the origin and evolution of oceanic island plants. In: Soltis, P.S.; Soltis, D.E. & Doyle, J.J. (eds.). Pp. 410-441. Molecular Systematics of Plants II. DNA sequencing. Kluwer Academic Publishers, New York.

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34.- **NPR ACEBES-GINOVES, J.R.**; **FRANCISCO-ORTEGA, J.**; HAWKES, J.G. & LESTER, R.N. (1996). *Normania nava* (Webb & Berth.) Fran.-Ort. & Lester (Solanaceae). In: Gómez-Campo, C. (ed.). Pp. 464-465. Libro Rojo de Especies Vegetales Amenazadas de las Islas Canarias. Viceconsejería de Medio Ambiente, Consejería de Política Territorial del Gobierno de Canarias, Santa Cruz de Tenerife, Canary Islands.

33.- ☒**FRANCISCO-ORTEGA, J.**; JANSEN, R.K.; MASON-GAMER, R. & WALLACE, R.S. (1996). Application of Chloroplast DNA restriction site studies for conservation genetics. In: Smith, T.B. & Wayne, R.K. (eds.). Pp. 183-201. Molecular Genetic Approaches in Conservation. Oxford University Press, New York & Oxford.

32.- ☒**FRANCISCO-ORTEGA, J.**; CRAWFORD, D.J.; SANTOS-GUERRA, A. & CARVALHO, J.A. (1996). Isozyme differentiation in the endemic genus *Argyranthemum* (Asteraceae: Anthemideae) in the Macaronesian islands. Plant Systematics and Evolution 202: 137-152.

31.- **FRANCISCO-ORTEGA, J.**; JANSEN, R.K. & SANTOS-GUERRA, A. (1996). Chloroplast DNA evidence of colonization, adaptive radiation and hybridization in the evolution of the Macaronesian flora. Proceedings National Academy of Sciences USA 93: 4085-4090.

30.- ☒**FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; MESA-COELLO, R.; GONZÁLEZ-FERIA, E. & CRAWFORD, D. J. (1996). Genetic resources conservation of the endemic genus *Argyranthemum* Sch. Bip. (Asteraceae: Anthemideae) in the Macaronesian islands. Genetic Resources and Crop Evolution 43: 33-39.

29.- §KIM, S.-C.; CRAWFORD, D.J.; **FRANCISCO-ORTEGA, J.** & SANTOS-GUERRA, A. (1996). A common origin for woody *Sonchus* and five related genera in the Macaronesian Islands: Molecular evidence for extensive radiation. Proceedings National Academy of Sciences USA 93: 7743-7748.

28.- LEVIN, D.A.; **FRANCISCO-ORTEGA, J.** & JANSEN, R.K. (1996). Hybridization and the extinction of rare species. Conservation Biology 10: 10-16.

27.- ☒**FRANCISCO-ORTEGA, J.**; CRAWFORD, D.J.; SANTOS-GUERRA, A. & SA-FONTINHA, S. (1995). Genetic divergence among Mediterranean and Macaronesian genera of the subtribe Chysantheminae (Asteraceae). American Journal of Botany 82: 1321-1328.

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- 26.- ☒ **FRANCISCO-ORTEGA, J.**; JANSEN, R.K.; CRAWFORD, D.J. & SANTOS-GUERRA, A. (1995). Chloroplast DNA evidence for intergeneric relationships of the Macaronesian endemic genus *Argyranthemum* (Anthemideae: Chrysantheminae). *Systematic Botany* 20: 413-422.
- 25.- SÁNCHEZ-YELAMO, M.D.; ESPEJO-IBÁÑEZ, M.C.; **FRANCISCO-ORTEGA, J.** & SANTOS-GUERRA, A. (1995). Electrophoretical evidence of variation in populations of the fodder legume *Chamaecytisus proliferus* from the Canary Islands. *Biochemical Systematics and Ecology* 23: 53-63.
- 24.- ☒ **FRANCISCO-ORTEGA, J.**; ELLIS, R.H.; GONZÁLEZ-FERIA, E. & SANTOS-GUERRA, A. (1994). Overcoming seed dormancy in ex situ plant germplasm conservation programmes: An example in the endemic *Argyranthemum* (Asteraceae: Anthemideae) species from the Canary Islands. *Biodiversity and Conservation* 3: 341-353.
- 23.- ☒ **FRANCISCO-ORTEGA, J.**; JACKSON, M.T.; SANTOS-GUERRA, A.; FERNÁNDEZ-GALVÁN, M. & FORD-LLOYD, B.V. (1994). The phylogeography of the *Chamaecytisus proliferus* (L.fil.) Link complex (Fabaceae: Genisteae) in the Canary Islands: A multivariate analysis. *Vegetatio* 110: 1-17.
- 22.- SANTOS-GUERRA, A. & **FRANCISCO-ORTEGA, J.** (1994). On the nomenclature and types of *Chamaecytisus proliferus* (L.f.) Link (Fabaceae: Genisteae). A fodder shrub from the Canary Islands. *Botanical Journal of the Linnean Society* 115: 235-245.
- 21.- ☒ **FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A. & JARVIS, C.E. (1994). Pre-Linnean references for the Macaronesian flora found in Leonard Plukenet's works and collections. *The Bulletin of the Natural History Museum of London (Botany Series)* 24: 1-34.
- 20.- **NPR HAWKES, J.G.** & **FRANCISCO-ORTEGA, J.** (1993). Da poteten kom til Europa. *Naturen* 4: 147-155.
- 19.- ☒ **FRANCISCO-ORTEGA, J.**; HAWKES, J.G.; LESTER, R.N. & ACEBES-GINOVES, J.R. (1993). *Normania* Lowe an endemic Macaronesian genus distinct from *Solanum*. *Plant Systematics and Evolution* 185: 189-205.
- 18.- ☒ **FRANCISCO-ORTEGA, J.**; JACKSON, M.T.; SANTOS-GUERRA, A. & FORD-LLOYD, B.V. (1993). Morphological variation in the *Chamaecytisus proliferus* (L. fil.) Link complex (Fabaceae: Genistaeae) in the Canary Islands. *Botanical Journal of the Linnean Society* 112: 187-202.
- 17.- ☒ **FRANCISCO-ORTEGA, J.**; NEWBURY, H.J. & FORD-LLOYD, B.V. (1993). The origin of cultivated tagasaste (*Chamaecytisus proliferus* ssp. *palmensis*) in the Canary Islands. Numerical analysis of Randomly Amplified Polymorphic DNA (RAPDs) data. *Theoretical and Applied Genetics* 87: 264-270.
- 16.- ☒ **FRANCISCO-ORTEGA, J.**; REGHUNATH, B.R., NEWBURY, H.J. & FORD-LLOYD, B.V. (1993). Discrimination between groups of tagasaste and escobon from the Canary Islands based on juvenile morphological characters. *New Zealand Journal of Agricultural Research* 36: 185-195.
- 15.- REGHUNATH, B.R.; **FRANCISCO-ORTEGA, J.**; NEWBURY, H.J. & FORD-LLOYD, B.V. (1993). Methods for increasing the efficiency of seed germination in the fodder legumes tagasaste and escobon (*Chamaecytisus proliferus* (L.fil.) Link sensu lato). *Seed Science and Technology* 21: 225-235.
- 14.- HAWKES, J.G. & **FRANCISCO-ORTEGA, J.** (1993). The early history of the potato in Europe. *Euphytica* 70: 1-7.

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- 13.- ☒ **FRANCISCO-ORTEGA, J.** & JACKSON, M.T. (1993). Conservation strategies for tagasaste and escobon (*Chamaecytisus proliferus* (L.fil.) Link) in the Canary Islands. Boletim do Museo Municipal do Funchal Supplemento 2: 99-105.
- 12.- **NPR** ☒ **FRANCISCO-ORTEGA, J.**; FERNÁNDEZ-GALVÁN, M. & SANTOS-GUERRA, A. (1992). Los recursos fitogenéticos: base de la mejora vegetal. Canarias Agraria y Pesquera 18: 32-33.
- 11.- ☒ **FRANCISCO-ORTEGA, J.**; JACKSON, M.T.; SOCORRO-MONZÓN, A.R. & FORD-LLOYD, B.V. (1992). Ecogeographical characterization of germplasm of tagasaste and escobon (*Chamaecytisus proliferus* (L.fil.) Link sensu lato) from the Canary Islands: Soil climatological and geographical features. Revista Investigación Agraria. Producción y Protección Vegetales 7: 377-388.
- 10.- **FRANCISCO-ORTEGA, J.**; SORIANO, O.; NEWBURY, H.J. & FORD-LLOYD, B.V. (1992). Tagasaste in the Canary Islands in the 17th century. Journal of Adelaide Botanical Gardens 15: 87-92.
- 9.- ☒ **FRANCISCO-ORTEGA, J.**; FERNÁNDEZ-GALVÁN, M. & SANTOS-GUERRA, A. (1992). On the nomenclature of *Chamaecytisus mollis* (Cav.) Grauter & Burdet and its distribution in the Canary Islands. Lectotypification of *Spartium molle* Cav. and *Cytisus albidus* DC. Candollea 47: 1-9.
- 8.- ☒ **FRANCISCO-ORTEGA, J.** & JACKSON, M.T. (1992). The use of Discriminant function analysis to study diploid and tetraploid cytotypes of *Lathyrus pratensis* L. (Fabaceae: Faboideae). Acta Botanica Neerlandica 41: 63-73.
- 7.- HAWKES, J.G. & **FRANCISCO-ORTEGA, J.** (1992). The potato in Spain during the late 16th Century. Economic Botany 46: 86-97.
- 6.- ☒ **FRANCISCO-ORTEGA, J.**; JACKSON, M.T.; CATTY, J.P. & FORD-LLOYD, B.V. (1992). Genetic diversity in the *Chamaecytisus proliferus* (L. fil.) Link complex (Fabaceae: Genisteae) in the Canary Islands in relation to in situ conservation. Genetic Resources and Crop Evolution 39: 149-158.
- 5.- ☒ **FRANCISCO-ORTEGA, J.**; FERNÁNDEZ-GALVÁN, M. & SANTOS-GUERRA, A. (1991). A literature survey (1696-1991) on the fodder shrubs tagasaste and escobon (*Chamaecytisus proliferus* (L.fil.) Link sensu lato) (Fabaceae: Genisteae). New Zealand Journal of Agricultural Research 34: 471-488.
- 4.- ☒ **FRANCISCO-ORTEGA, J.**; JACKSON, M.T.; SANTOS-GUERRA, A. & FERNÁNDEZ-GALVÁN, M. (1991). Historical aspects of the origin and distribution of tagasaste (*Chamaecytisus proliferus* (L.fil.) Link ssp. *palmensis* (Christ) Kunkel). A fodder tree from the Canary Islands. Journal of Adelaide Botanical Gardens 14: 67-76.
- 3.- ☒ **FRANCISCO-ORTEGA, J.**; JACKSON, M.T.; SANTOS-GUERRA, A. & FERNÁNDEZ-GALVÁN, M. (1990). Genetic resources of the fodder legumes tagasaste and escobon (*Chamaecytisus proliferus* (L.fil.) Link sensu lato) in the Canary Islands. FAO/IBPGR Plant Genetic Resources Newsletter 81/82: 27-32.
- 2.- SANTOS-GUERRA, A. & **FRANCISCO-ORTEGA, J.** (1990). Endemismos macaronésicos en las Islas Canarias: estado de conservación. In: Hernández-Bermejo, J.E.; Clemente, M. & Heywood, V. (eds.). Pp. 191-196. Conservation Techniques in Botanic Gardens. Koeltz, Königstein.
- 1.- **NPR** ☒ **FRANCISCO-ORTEGA, J.**; MÉNDEZ, P.; FERNÁNDEZ-GALVÁN, M. & SANTOS-GUERRA (1989). Tagasaste: *Chamaecytisus proliferus* (L.fil.) Link ssp. *palmensis* (Christ) Kunkel. Una leguminosa forrajera arbustiva originaria de la isla de La Palma. Canarias Agraria y Pesquera 8: 28-32.

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PRESENTED PAPERS, AND LECTURES

A. PAPERS PRESENTED AT PROFESSIONAL MEETINGS

Cycad 2015, 10th International Conference on Cycad Biology, Medellín, Colombia, 2015

- 1.- Paper presented: Estado de conservación de poblaciones de Zamiaceae (Cycadales) en Cuba: proyecto de colaboración Cuba-Estados Unidos de América.
- 2.- Paper presented: Phylogeography of the Caribbean *Zamia* clade: testing the “out-of-Cuba” hypothesis.
- 3.- A molecular phylogeny of *Zamia* L.: a multi-gene approach using single-copy nuclear genes.
- 4.- Integrated Cycad Conservation: collections genetics help close the loop.

1st Biodiversity Symposium of the Santa Cruz de Tenerife at the Palmetum Botanic Garden, 2014

- 1.- Paper presented: Los jardines botánicos en las grandes urbes: plataformas para la conservación, la ciencia, y la educación

Botany 2014, Annual Meeting of the Botanical Society of America, Boise, Idaho, 2014

- 1.- Paper presented: Genetic structure, diversity, and differentiation of *Pseudophoenix* (Arecaceae) in Hispaniola
- 2.- When species trees collide: evolutionary and historical biogeography of the cocosoid palms (Arecaceae: Arecoideae: Cocoseae) inferred from sequences of six WRKY gene family loci.

5th Global Botanic Gardens Congress, Dunedin, New Zealand, 2013

- 1.- Paper presented: The Caribbean cycad project

Botany 2013, Annual Meeting of the Botanical Society of America, New Orleans, Louisiana, 2013

- 1.- Paper presented: Building partnerships in the Bahamas: the island flora.

International Seminars “Natural History of Macaronesia”, Santa Cruz de Tenerife, Canary Islands, 2013

- 1.- Paper presented: Plant hunting in the Canary Islands by British botanists during the 17th and 19th centuries

6th Biennial Conference of the International Biogeography Society, Miami, Florida, 2013

- 1.- Paper presented: An introduction to the biogeography of the Caribbean Islands.

Botany 2012, Annual Meeting of the Botanical Society of America, Columbus, Ohio, 2012

- 1.- Paper presented: Comparative patterns of genetic variation among populations of the *Zamia pumila* L. complex across three islands of the Greater Antilles.
- 2.- Paper presented: Plant biodiversity and molecules in the Caribbean Island Biodiversity Hotspot.
- 3.- Paper presented: Molecular phylogeny of the "spiny" Cocoseae (Arecaceae) using six WRKY loci and various methods of gene tree/species tree reconciliation
- 4.- Paper presented: Phylogeography and conservation genetics of the Caribbean *Zamia* clade: Identification of single copy nuclear genes.
- 5.- Paper presented: Structural evolution of cycads: Do traits in extant cycads inform ancestral conditions?
- 6.- Paper presented: AGAMOUS a single copy gene with high potential for cycad phylogenetics.
- 7.- Paper presented: A molecular phylogeny of *Zamia* L.: a multi-gene approach using single-copy nuclear genes.
- 8.- Paper presented: Genetic patterns of the endangered *Phaedranassa schizantha* (Amaryllidaceae).

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FloraMac2012 International Symposium, University of Madeira, Portugal, 2012

1.- Paper presented: Pre-Linnean references to the Macaronesian Flora.

SALISES 50-50 Conference, University of the West Indies, Kingston, Jamaica, 2012

1.- Paper presented: Education and Research Opportunities through Partnerships between Botanic Gardens and Universities.

5th Annual Affiliated Faculty Colloquium at the Latin American Caribbean Center of Florida International University – “Environment, Society and Public Policy in the Caribbean Region”, Miami, 2012

1.- Paper presented: Plant endemism in the Caribbean Islands.

Plant Biologists of South Florida Annual Meeting, Miami, 2012

1.- Paper presented: The expeditions of David Fairchild to the Bahamas Islands.

International Workshop to establish a National Botanic Garden in Haiti, Port-au-Prince, Haiti, 2011

1.- Paper presented: Developing Partnerships between Universities and Botanic Gardens.

Cycad 2011, 9th International Conference on Cycad Biology, Shenzhen, China, 2011

- 1.- Paper presented: A phylogeny of *Zamia* based on four single-copy nuclear genes
- 2.- Paper presented: Phylogeography and conservation genetics of the Caribbean *Zamia* clade: an integrated systematic approach with SSRs and single copy nuclear genes
- 3.- Paper presented: Genetics-based conservation action plan for *Zamia lucayana*, the only cycad species endemic to the Bahamian archipelago (Caribbean Island Biodiversity Hotspot)
- 4.- Paper presented: Comparative patterns of genetic variation among populations of the *Zamia pumila* L. complex across three islands of the Greater Antilles
- 5.- Paper presented: Structural evolution of cycads: Do traits in extant cycads inform ancestral conditions?

18th International Botanical Congress, 2011

- 1.- Paper presented: Evolutionary history of Arecaceae tribe Cocoseae inferred from seven WRKY transcription factors.
- 2.- Poster presented: Comparative patterns of genetic variation among populations of the *Zamia pumila* L. complex across three islands of the Greater Antilles.

10th Latin American Botanical Congress, La Serena, Chile, 2010

- 1.- Paper presented: Molecular phylogenetics of endangered species from Latin America: Unique patterns and conservation priorities
- 2.- Paper presented: Using molecular markers for species conservation: The case of *Phaedranassa* spp.

3rd International Symposium – Restoration Ecology, Santa Clara, Cuba, 2010

1.- Paper presented: Plant conservation on the Caribbean Islands: Molecular perspectives.

35th Anniversary Conference. Instituto de Ecología, A.C., Xalapa, Mexico, 2010

1.- Paper presented: Plant biodiversity on the Caribbean Islands: Molecular perspectives.

Botany 2010, Annual Meeting of the Botanical Society of America, New Providence, Rhode Island, 2010

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- 1.- Paper presented: Palms, sugar, molecules, and conservation: The case of *Pseudophoenix ekmanii* in Jaragua National Park, Dominican Republic.
- 2.- Paper presented: Islands within islands: A radiation across the serpentine archipelago of Cuba.

Annual Meeting of Society for Conservation Biology, Beijing, 2009

- 1.- Paper presented: Plant endemism on Hainan Island: Conservation challenges.

50th Anniversary Conference. Montgomery Botanical Center, 2009

- 1.- Paper presented: Early plant exploration.

Beyond Cladistics, a Festschrift for Chris Humphries. The Linnean Society of London, 2008

- 1.- Paper presented: Early British collectors and observers of the Macaronesian flora: from Sloane to Darwin.

Cycad 2008, 8th International Conference on Cycad Biology, Panama, 2008

- 1.- Paper presented: Molecular systematics of the Mesoamerican cycad genus *Dioon*.
- 2.- Paper presented: Conservation genetics of *Dioon edule*, a endangered cycad from Mexico.
- 3.- Paper presented: Potential of single copy genes for biodiversity studies of cycads.

3rd International Biogeography Conference, Canary Islands, Spain, 2007

- 1.- Poster presented: Biogeographical patterns of seed-plant genera endemic to the Caribbean Islands.

Botany 2006, Annual Meeting of the Botanical Society of America, Chico, California, 2006

- 1.- Paper presented: Genetic and habitat differentiation of *Geonoma macrostachys* (Arecaceae) Western Amazonian varieties
- 2.- Paper presented: Molecular evidence for the phylogenetic relationships of *Jacquemontia reclinata* (Convolvulaceae).
- 3.- Paper presented: Phylogenetics, conservation, and historical biogeography of the West Indian genera *Lasiocroton* and *Leucocroton* (Euphorbiaceae).

6th Annual Smithsonian Annual Botanical Symposium. Smithsonian Institution, Washington DC., 2006

- 1.- Paper presented: New and Old paradigms for the Macaronesian flora: molecular phylogenetic perspectives.

9th Latin-American Congress, Santo Domingo, Dominican Republic, 2006

- 1.- Paper presented: Molecular phylogenetics of Antillean Asteraceae: A review.

CETroB 2006, Meeting of the CETroB organization, Miami, Florida, 2006

- 1.- Paper presented: Seed plant genera endemic in the Caribbean Island Hotspot: A review and molecular perspective.

17th International Botanical Congress, Vienna, Austria, 2005

- 1.- Poster presented: A phylogenetic study of *Silene* (Caryophyllaceae) endemic to the Canary Islands.
- 2.- Poster presented: Studies for the conservation of *Coccothrinax crinita*: and endangered Cuban palm.

Cycad 2005, 7th International Conference on Cycad Biology, Xalapa, Mexico, 2005

- 1.- Paper presented: Microsatellite DNA studies in the *Zamia pumila* complex (Zamiaceae).

Botany 2005, Annual Meeting of the Botanical Society of America, Austin, Texas, 2005

- 1.- Paper presented: Endemic plant genera of the Caribbean Islands: an assessment on the basis of molecular data.

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- 2.- Paper presented: The origin of the Macaronesian flora: a perspective from molecular phylogenetics.
- 3.- Paper presented: Genetic structure of *Phaedranassa tunguraguae* Ravenna (Amaryllidaceae), an endangered species of Ecuador.
- 4.- Paper presented: Microsatellite DNA studies in the Caribbean *Zamia pumila* complex (Zamiaceae).
- 5.- Poster presented: A comparison of phylogenies based upon independent nuclear and chloroplast datasets for *Sideritis* L. (Lamiaceae: Lamioideae).

Botany 2004, Annual Meeting of the Botanical Society of America, Salt Lake City, Utah, 2004

- 1.- Paper presented: *Sideritis* L. in Macaronesia: current knowledge and future perspectives
- 2.- Paper presented: Developing microsatellite markers for studying the genetic structure of *Phaedranassa schizantha* and *P. tunguraguae* (Amaryllidaceae).

9th International Organization of Plant Biosystematics Meeting, Plant Evolution in Mediterranean Climate Zones, Botanic Garden of Valencia, Spain, 2004

- 1.- Paper presented: Origin of the Macaronesian Flora and its relationship with the Mediterranean Flora.
- 2.- Poster presented: *Normania*: On the verge of extinction, at the edge of Spain.

Annual Meeting Association for Tropical Biology and Conservation, Geographic and Conceptual Frontiers of Tropical Biology, University of Miami, FIU, and CETroB, Miami, Florida, 2004

- 1.- Paper presented: Plant phylogenetic patterns in the Caribbean Islands.
- 2.- Paper presented: Phylogenetic studies in Caribbean palms.

3rd International Conference on the Comparative Biology of the Monocotyledons – Monocots III. 2003

- 1.- Paper presented: Phylogeny of Agavaceae based on *ndhF* sequences: implications of molecular data for classification.
- 2.- Paper presented: Molecular phylogenetics of palm subtribe Ptychospermatinae (Arecaeae).

17th Annual Meeting Society for Conservation Biology, Duluth, Minnesota, 2003

- 1.- Paper presented: Genetics and management of *Jacquemontia reclinata*, a federally endangered coastal dune plant.

Botany 2003, Annual Meeting of the Botanical Society of America, Mobile, Alabama, 2003

- 1.- Paper presented: Molecular phylogenies from nuclear and chloroplast genes support the connection of the Macaronesian genus *Bystropogon* (Lamiaceae) to the radiation of the new world *Menthae*.
- 2.- Poster presented: Molecular systematics of the Caribbean sunflower genera *Rhodogeron* Griseb. and *Sachsia* Griseb.
- 3.- Poster presented: A floristic inventory of Isla del Coco, Costa Rica.

Symposium on the Evolutionary Legacy of the Ice Ages, The Royal Society, London, Great Britain, 2003

- 1.- Poster presented: Evolution of neo-endemics in the western Mediterranean: The role of recent dispersal from the Macaronesian region in *Convolvulus* L.

Botany 2002, Annual Meeting of the Botanical Society of America, Madison, Wisconsin, 2002

- 1.- Paper presented: Defining the geographic origin and evolution of Canary Island Lotus subgenus *Pedrosia*: evidence based on ITS sequences of nuclear ribosomal DNA.
- 2.- Paper presented: Molecular systematics of the doum palms (*Hyphaene*) and related genera (Arecaceae tribe Borasseae).
- 3.- Paper presented: Molecular phylogenetics of the palm tribe Geonomeae (Arecaceae).

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- 4.- Poster presented: Relationships among the Canarian *Tolpis* (Asteraceae: Lactuceae) species inferred from analyses of intersimple sequence repeats (ISSRs).

CETroB 2002, Meeting of the CETroB Organization, Miami, Florida, 2002

- 1.- Poster presented: Molecular systematics of the Caribbean sunflower genera *Rhodogeron* Griseb. and *Sachsia* Griseb.
- 2.- Poster presented: Molecular phylogeny of *Geonoma* and its place in the tribe Geonomeae (Arecaceae).

8th Latin-American Congress, Cartagena, Colombia, 2002

- 1.- Paper presented: Molecular evidence for the origin of the Canary Island flora.

Botany 2001, Annual Meeting of the Botanical Society of America, Albuquerque, New Mexico, 2001

- 1.- Paper presented: Molecular evidence for the origin of the Galapagos Island endemic genus *Darwiniothamnus* (Asteraceae).
- 2.- Paper presented: Adaptive radiation of the genus *Crambe* (Brassicaceae) in the Canary Islands: RFLP study of the chloroplast genome.
- 3.- Poster presented: Molecular data show that the genus *Pulicaria* (Asteraceae) does not provide a floristic link between the Canary Islands and the East African Island of Socotra
- 4.- Poster presented: Conservation genetics of the Florida endangered *Jacquemontia reclinata* (Convolvulaceae): RAPDs data.

5th Symposium on Flora of Cuba, Havana, 2000

- 1.- Paper presented: Molecular systematic studies in New World cycads.
- 2.- Paper presented: The use of molecular markers to trace the origin and evolution of island plants.

Botany 2000, Annual Meeting of the Botanical Society of America, Portland, Oregon, 2000

- 1.- Paper presented: Origin of Macaronesian *Sideritis* L. (Lamiaceae) inferred from sequences of two non-coding regions of chloroplast DNA.
- 2.- Paper presented: Evolution of *Sideritis* L. (Lamiaceae) in Macaronesia based on analysis of chloroplast and nuclear datasets.
- 3.- Paper presented: Phylogeny of the cycads (Cycadales) based on chloroplast DNA gene spacers and ITS rDNA sequences.
- 4.- Paper presented: Phylogenetics and evolution of *Aeonium* (Crassulaceae) and related genera on the Canary Islands.
- 7.- Paper presented: Tracing the origin of the Macaronesian endemic genus *Bystropogon* (Lamiaceae).
- 5.- Poster presented: Phylogenetic analysis of *Tolpis* (Asteraceae: Lactuceae) based on *ndhF* sequence data.
- 6.- Poster presented: Implications of chloroplast DNA variation from the evolution of the Macaronesian endemic genus *Pericallis* (Asteraceae: Senecioneae).

16th International Botanical Congress, St. Louis, Missouri, 1999

- 1.- Paper presented: Diversity, biogeography, and evolution of the flora of the Canary Islands.
- 2.- Paper presented: Origin and evolution of woodiness in the Macaronesian islands.
- 3.- Poster presented: Molecular evidence for the origin of endemic Inuleae (Asteraceae) in the Macaronesian archipelagos.
- 4.- Poster presented: The subtribe Gonosperminae (Compositae: Anthemideae): Phylogenetic inferences from ITS sequences of nuclear ribosomal DNA.

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5.- Poster presented: Molecular systematics of the *Asteriscus* alliance: ETS, ITS and ndhF data.

International Cycads Conference. Cycads 99, Miami, 1999

1.- Paper presented: Molecular systematic studies in cycads.

Plant Biologists of South Florida Annual Meeting. Florida Atlantic University, Davie, Florida, 1999

1.- Paper presented: Research opportunities at the Florida International University – Fairchild Tropical Garden Plant Molecular Systematic Laboratory.

American Institute of Biological Sciences. Annual Meeting. Baltimore, Maryland. 1998

- 1.- Paper presented: Molecular evidence for the origin and evolution of the Macaronesian endemic genus *Pericallis*.
- 2.- Paper presented: Chloroplast DNA evidence for the evolution of the endemic subgenus *Marrubiastrum* (genus *Sideritis*: Lamiaceae) in Macaronesia.
- 3.- Paper presented: New and improved phylogeny of the *Asteriscus* alliance: Evidence from the external transcribed spacer of nrDNA.
- 4.- Paper presented: The external transcribed spacer of the rDNA repeat: A new means of resolving low level relationships in the Asteraceae and closely related families.

Symposium, Flora and Fauna in the Atlantic Islands. Universidad dos Islas Açores, Portugal. 1998

- 1.- Paper presented: Multiple origins of woodiness in the endemic Macaronesian genus *Pericallis*.
- 2.- Paper presented: Evolution of the *Asteriscus* alliance in the Macaronesian-Mediterranean region.

American Institute of Biological Sciences. Annual meeting. Montreal, Canada. 1997

- 1.- Paper presented: A Mediterranean origin of the Macaronesian endemic genus *Argyranthemum* (Asteraceae): evidence from molecular data.
- 2.- Paper presented: Phylogeographic and taxonomic inferences from phylogenetic analysis of ITS sequence data in *Nauplius* and *Asteriscus* (Asteraceae: Inuleae).
- 3.- Paper presented: Molecular evidence for the evolution of *Crambe* sect. *Dendrocrambe* (Brassicaceae) in the Macaronesian islands.
- 4.- Paper presented: Origin of the woody Sanguisorbae alliance (Rosaceae) in Macaronesia based on ITS sequence data.
- 5.- Paper presented: Relationships of the Canary Island endemic species of *Silene* (Caryophyllaceae) based on nuclear ribosomal internal transcribed spacer sequences.
- 6.- Paper presented: Adaptive radiation and genetic differentiation in the woody *Sonchus* alliance (Asteraceae: Lactuceae) in the Canary Islands.

Symposium, Flora and Fauna in the Atlantic Islands. Universidad de Las Palmas de Gran Canaria. 1996

- 1.- Paper presented: Molecular evidence for the origin and evolution of *Crambe* (Brassicaceae: Brassicaceae) in Macaronesia.
- 2.- Paper presented: Rapid radiation and a Mediterranean origin for the endemic Macaronesian genus *Argyranthemum*.
- 3.- Paper presented: ITS evidence for the evolution of *Sonchus* in Macaronesia.
- 4.- Paper presented: Multiple origins for *Lavatera* (Malvaceae) in Macaronesia: molecular and morphological data.

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American Institute of Biological Sciences. Annual Meeting. San Diego, California. 1995

- 1.- Paper presented: DNA evidence for the evolution of *Argyranthemum* in the Macaronesian islands.
- 2.- Paper presented: Phylogenetic relationships in subtribe Sonchinae (Asteraceae) based on ribosomal DNA sequences from the ITS region.
- 3.- Paper presented: The origin and radiation of *Sonchus* in the Macaronesian islands: evidence from ITS sequences.

American Institute of Biological Sciences. Annual Meeting. Knoxville, Tennessee. 1994

- 1.- Paper presented: Genetic diversity in *Argyranthemum* in the Macaronesian islands.
- 2.- Paper presented: Preliminary molecular data and the evolution of *Sonchus* in the Canary Islands.

Conference, Evolution and Conservation in the Atlantic Islands. Manchester University 1990

- 1.- Paper presented: Ecogeographical variation in the *Chamaecytisus proliferus* complex in the Canary Islands.
- 2.- Poster presented: Collecting genetic resources of tagasaste (*Chamaecytisus proliferus* complex) in the Canary Island archipelago.

Conference, Botanic Gardens and the World Conservation Strategies. Cordoba Botanic Garden 1987

- 1.- Poster presented: Conservation status of Macaronesian endemic taxa from the Canary Islands.

B. INVITED LECTURES

Palmetum Botanic Garden, Canary Islands, December 2017

Gifford Arboretum, University of Miami, November 2017

Latin American and Caribbean Center of FIU, October 2017

Department of Biological Sciences, FIU, October 2017

Jardín Botánico de La Orotava, Canary Islands, July 2017

Jardín Botánico de La Orotava, Canary Islands, July 2016

Kampong Gardens, US National Botanic Garden, April 2016

University of Miami (Guest lecturer for undergraduate course on plant systematics, main instructor: Dr. Carol Horvitz), 2015.

The Botanic Garden of Montreal, Canada, 2015.

Florida International University (Plant Talk Series), 2015.

National Tropical Botanic Garden, The Kampong Gardens, Miami, 2014

Florida International University (Plant Talk Series), 2014.

Universidad de Puerto Rico, Departamento de Biología (Guest lecturer for undergraduate course on island biology, main instructor: Dr. Eugenio Santiago Valentin), 2013.

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Florida International University (Plant Talk Series), 2013.

Fairchild Tropical Botanic Garden (Member Lecture Speaker), 2013.

Instituto de Estudios Canarios, Santa Cruz de Tenerife, Canary Islands, 2012.

USDA (Chapman Field Community Day), Miami, Florida, 2012.

Bahamas National Trust, Nassau, New Providence, The Bahamas, 2012

South China Botanic Garden, Guangzhou, China, 2012.

Universidad de Puerto Rico, Departamento de Biología (Guest lecturer for undergraduate course on island biology, main instructor: Dr. Eugenio Santiago Valentin), 2012.

National Tropical Botanic Garden, The Kampong Gardens, Miami, 2012.

Fairchild Tropical Botanic Garden – Member’s Lectures Series, 2011.

College of Forestry, Forestry University of Beijing, 2011.

Instituto de Estudios Canarios, Canary Islands, Spain, 2010.

Jardin Botanico de Xalapa, Instituto de Ecologia, Mexico, 2010.

Museum of Natural Sciences, Tenerife, Canary Islands, Spain, 2009.

National Botanic Garden of Dominican Republic, 2009.

University of Nanjing, 2008.

Fairchild Tropical Botanic Garden. 2008.

Museum of Natural Sciences, Tenerife, Canary Islands, Spain, 2008.

Natural History Museum of London, 2007.

Tropical Research Center, University of Florida, Homestead, Florida, 2005.

Consejo Superior de Investigaciones Científicas, Instituto de Productos Naturales y Agrobiología, Tenerife, Canary Islands, Spain, 2004.

Department of Biology, University of Miami, Miami, 2003.

New York Botanical Garden, New York, 2002.

United States Department of Agriculture, Subtropical Research Station, Miami, 2002.

Santa Barbara Botanic Garden, 2001.

Department of Botany, University of Washington, 2000.

Department of Biological Sciences, Florida Atlantic University, 2000.

Real Jardín Botánico de Madrid, Spain, 1998.

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Department of Botany, University of Oslo, 1997.

Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional, IPN, Durango, Mexico, 1994.

WORKS IN PROGRESS

A. PAPERS SUBMITTED TO JOURNALS FOR CONSIDERATION (** - Undergraduate student; * = Graduate student)

1.- *OLEAS, N.; FEELEY, K.; GEBELEIN J.; MEEROW, A.W. & FRANCISCO-ORTEGA, J. (Submitted). Muddy boots beget wisdom: A cautionary tale for species distribution models. *Biodiversity and Conservation*.

B. RESEARCH IN PROGRESS

Cycad Biodiversity:

- Phylogeography, systematics, and conservation genetics of *Zamia* (Zamiaceae) in the Caribbean Islands.

Palm Biodiversity:

- Conservation and population genetics of *Coccothrinax* in the Caribbean Islands.
- Conservation and population genetics of *Attalea crassipatha*: A Critically Endangered species endemic in Haiti

Caribbean Island Plants:

- Plant endemism in Haiti: a checklist and a review on biogeographical and phylogenetic patterns
- Systematics of genera endemic to the Caribbean Islands:
 - *Acanthodesmos* (Asteraceae).
 - *Solonia*, *Vegaea* and *Wallenia* (Primulaceae).
 - *Bonania* (Euphorbiaceae).
 - *Dendrocousinsia* (Euphorbiaceae).

History of Plant Exploration:

- Pre 19th century references for plant exploration and collection on the Atlantic Islands.
- William D. Hooker expedition to the Cape Verde Islands.
- Marie-Victorin expeditions to the Canaries, Haiti, Puerto Rico, Jamaica, and Trinidad.
- Early floristic accounts for Puerto Rico:
 - André-Pierre Ledru.
 - Domingo Bello y Espinosa.
- Plant-hunting expeditions by David Fairchild.
- Expeditions of William Trelease to the Macaronesian Islands.

Macaronesian Plants:

- Molecular systematics and evolution of *Bosea* (Amaranthaceae).

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FUNDED RESEARCH

Mohamed Bin Zayed Species Conservation Fund. Searching for *Tortuella*, an enigmatic plant genus endemic to Haiti. Principal Investigator: Javier Francisco-Ortega. Co-Principal Investigators: Brígido Peguero (National Botanic Garden, Dominican Republic), Brett Jestrow (Fairchild Tropical Botanical Garden), William Cayes (Botanic Garden of Cayes, Haiti). 2016-2017. \$10,000.

Mohamed Bin Zayed Species Conservation Fund. Conservation action plan for the critically endangered palm *Coccothrinax jimenezii*. Principal Investigator: Javier Francisco-Ortega. Co-Principal Investigators: Francisco Jimenez (National Botanic Garden, Dominican Republic), Patrick Griffith (Montgomery Botanical Center), William Cayes (Botanic Garden of Cayes, Haiti). 2012-2013. \$10,000.

National Science Foundation. Phylogeography and conservation genetics of the Caribbean *Zamia* clade: An integrated systematic approach with SSRs and single copy nuclear. Principal Investigator: Javier Francisco-Ortega, co-Principal Investigators: Alan Meerow (USDA), Patrick Griffith (Montgomery Botanical Center), and Dennis Stevenson (New York Botanic Garden). 2011-2013. \$457,530.

Mohamed Bin Zayed Species Conservation Fund. Conservation action plan for the critically endangered palm *Pseudophoenix lediniana* in Haiti. Principal Investigator: Javier Francisco-Ortega. Co-Principal Investigators: Alberto Veloz (National Botanic Garden, Dominican Republic), Patrick Griffith (Montgomery Botanical Center), William Cayes (Botanic Garden of Cayes, Haiti). 2012-2013. \$10,000.

Mohamed Bin Zayed Species Conservation Fund. Conservation biology of the critically endangered palm *Pseudophoenix ekmanii* in Dominican Republic. Principal Investigator: Alberto Veloz (National Botanic Garden, Dominican Republic), co-Principal Investigator: Javier Francisco-Ortega. 2009-2010. \$24,625.

Mohamed Bin Zayed Species Conservation Fund. Conservation biology of *Zamia lucayana* (Zamiaceae) on the Bahamas Islands. Principal Investigator: Javier Francisco-Ortega, co-Principal Investigators: Patrick Griffith and Michael Calonje (Montgomery Botanical Center) and Alan Meerow (USDA). 2009-2011. \$24,758.

Fairchild Tropical Botanic Garden (subcontract with Florida International University). Molecular systematic and conservation of Caribbean plants. Principal Investigator: Javier Francisco-Ortega. August 2004 – November 2009. \$187,318.

Royal Society, North America Incoming Short Visits Program (International Short Visits – North America – 2006/R1). Plant hunting in Macaronesia by Francis Masson: the plants sent to Linnaeus and Linnaeus filius. Principal Investigator: Charles Jarvis (Natural History Museum of London), co-Principal Investigators: J. Francisco-Ortega and Mark Carine (Natural History Museum of London). 2006. Sterling Pounds 5,000 (~\$15,000).

Fairchild Tropical Botanic Garden (subcontract with Florida International University). Molecular systematic and conservation of Caribbean plants. Principal Investigator: Javier Francisco-Ortega. May 2002 – August 2004. \$48,865.

Social Science Research Council, Working Group on Cuba. Bilateral capacity building in documentation and conservation of Cuban plant diversity. Principal Investigators: J. Pipoly (Fairchild Tropical Botanic Garden) and Cristina Panfet (Jardín Botánico Nacional de Cuba), collaborators: J. Francisco-Ortega, R. Oviedo (Instituto de Ecología y Sistemática, Cuba), R. Verdicia (Jardín Botánico de Las Tunas, Cuba), and S. Zona (Fairchild Tropical Botanic Garden). 2003 – 2004. \$7,500.

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Cuban Research Institute of FIU (funded by MacArthur Foundation), Biodiversity and Conservation of Cuban plants. Principal Investigator: Javier Francisco-Ortega, co- Principal Investigators: Angela Leiva (Jardin Botanico Nacional de Cuba), John Pipoly (Fairchild Tropical Botanic Garden). 2002. \$12,325.

National Science Foundation, Phylogenetic Systematics Program. 1996- 1999. Origin and evolution of Asteraceae endemic in the Macaronesian Islands. Principal Investigator: Robert K. Jansen (University of Texas at Austin), co-Principal Investigator: Javier Francisco-Ortega. \$149,987.

FUNDED EDUCATIONAL ACTIVITIES

Fairchild Tropical Botanic Garden (subcontract with Florida International University). Managing the Fairchild Challenge. Principal Investigator: Javier Francisco-Ortega. AY 2010 – 2011. \$65,368.

National Science Foundation, Undergraduate Mentoring in Environmental Biology. Principal Investigator: Javier Francisco-Ortega, co-Principal Investigator: Laurel Collins (Department of Earth Sciences, FIU). 2001-2004. \$435,000.

OFFICES HELD IN PROFESSIONAL SOCIETIES

Council Member at Large, American Society of Plant Taxonomists. 2010 – present.

Committee on Participation of Underrepresented Groups, Botanical Society of America. 2004-2006.

Chair of the Karling Award to Graduate Students Committee from the Botanical Society of America. 2003 – 2005.

Member of the Nomination Committee of the American Society of Plant Taxonomists. 2003.

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE

Education:

Fairchild Tropical Botanic Garden, Department of Education. Post-secondary advisor of the Fairchild Challenge (see Teaching Statement). AY 2010 – 2011.

Fairchild Tropical Botanic Garden, Department of Education. Manager of the Fairchild Challenge (see Teaching Statement). AY 2010 – 2011.

Undergraduate Mentoring in Environmental Biology (funded by NSF). Program Director. 2001-2004. \$435,000.

Editorial Board in Professional Journals:

Associate Editor, *Taxon*. 2010 – present.

Associate Editor, *Anales del Real Jardín Botánico de Madrid*. 2007 – present.

Associate Editor, *Revista de la Academia Canaria de Ciencias*. 2011 – present.

Associate Editor, *Moscosa*. 2010 – present.

Associate Editor, *Systematic Botany*. 2006 – 2009.

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Professional Committees:

Board of Trustees: Cayes Botanic Garden, Haiti. 2011 – present.

Panel member. Review panel for the Doctoral Dissertation Improvement Grant program of the National Science Foundation. 2010.

Member of the Advisory Committee of the Center for Research Excellence in Science and Technology Program – Center for Applied Tropical Ecology and Conservation (CREST – CATEC) of the University of Puerto Rico. 2002 – present.

Panel member. Review panel for the Undergraduate Research Mentoring program of the National Science Foundation. 2006.

Member of Biotic Structure Working Group of the Long Term Ecological Research Network. 2004.

Panel member. Review panel for the Research Experience for Undergraduate program of the National Science Foundation. 2003.

Panel Member of the National Scholarship Advisory Committee of the Organization of Tropical Studies. 2001-2002.

Symposium and Foreign Course Organization:

Symposium (with Brett Jestrow from Fairchild Tropical Botanic Garden, Ethan Freid from the Bahamas National Trust, and Dion Herpburn from the College of the Bahamas) “Celebrating 30 Years of the Flora of the Bahamas: Conservation and Science Challenges.” Symposium will take place in October 2012.

Symposium (with Dr. Eugenio Santiago from Universidad de Puerto Rico) on “Evolution on the Antilles: the Molecular Perspective”, 9th Latin-American Congress, Santo Domingo, Dominican Republic. 2006. Proceedings of the symposium were published as peer-reviewed papers in *Botanical Review* (Volume 74, Issue 1, 2008).

Symposium on “The Impact of Plant Molecular Systematics in Latin- American Countries”, 8th Latin-American Congress, Cartagena, Colombia, October 14th 17th, 2002. Proceedings of the symposium were published as peer-reviewed papers in *Taxon* (Volume 53, Issue 2, 2004).

Course on “Plant biodiversity conservation in tropical islands: A challenge for next millennium”, University of La Laguna, Tenerife (Canary Islands), July 24th - July 29th, 2000.

Teaching in Foreign Institutions:

Course on DNA and Conservation, University of the West Indies a Mona, Jamaica & Institute of Jamaica. July 2009. Funded by MacArthur Foundation. Invited Professor.

Course on Plant Molecular Systematics, Jardín Botánico Nacional, Cuba. December 2002. Invited Professor.

Course on Plant Biodiversity on Tropical and Subtropical Islands, Summer School of University of La Laguna, Tenerife, Canary Islands, July, 2000. Invited Professor.

Course on Plant Genetic Resources, Summer School of University of La Laguna, Tenerife, Canary Islands, July, 1999. Invited Professor.

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Course on Plant Molecular Systematics, Jardín Botánico Viera y Clavijo, Las Palmas de Gran Canaria, Canary Islands, June-July 1996. Instructor.

Course on Plant Molecular Systematics, Instituto Canario de Investigaciones Agrarias, Tenerife, Canary Islands, July 1995. Instructor.

Hosting of Professional Colleagues to Teach or Deliver Lectures at FIU:

Dr. Eugenio Santiago-Valentín, Professor, Department of Biology, University of Puerto Rico, 2016.

Dr. Ramona Oviedo, Head of the Herbarium, Instituto de Ecología y Sistemática, Cuba. Visit was supported by Fairchild Tropical Botanic Garden. 2015, 2016, 2017.

Dr. Andrew Vovides, Director of Botanic Garden of Xalapa, INECOL, Mexico. Invited Professor to deliver a one week graduate workshop on “Plant Anatomy and Histology”. Workshop was supported by Florida International University, Fairchild Tropical Botanic Garden, and Montgomery Botanical Center. 2013.

Dr. Andrew Vovides, Director of Botanic Garden of Xalapa, INECOL, Mexico. Invited Professor to deliver a one week graduate workshop on “Plant Cytotaxonomy”. Workshop was supported by Florida International University, Fairchild Tropical Botanic Garden, and Montgomery Botanical Center. 2011.

Dr. John Dransfield, Head of Palm Program, Royal Botanic Gardens, Kew. Visit was supported by the UMEB Program and the Biological Symposium Committee. 2005.

Dr. Eugene Hargrove, Professor from Department of Philosophy and Religion Studies University of North Texas, TX. Visit was supported by the UMEB Program. 2003.

Dr. Jack Fisher, Senior Scientist, Fairchild Tropical Botanic Garden, Miami, FL. Visit was supported by the Biology Symposium Committee. 2004.

Dr. Ariel Lugo, Director of International Institute of Tropical Forestry, USDA, Puerto Rico. Visit was supported by the UMEB Program. 2003.

Dr. R. Gillespie, Professor from University of California, Berkeley, CA. Visit was supported by the UMEB Program. 2003.

Dr. Mike Maunder, Director, Fairchild Tropical Botanic Garden, Miami, FL. Visit was supported by the Department of Biological Sciences. 2003.

Dr. J. Doyle, Professor from Cornell University, NY. Visit was supported by the FIU Foundation. 2002.

Dr. Ross McPhee, Curator (Vertebrate Zoology) from the American Museum of Natural History, NY. Visit was supported by the UMEB Program. 2002.

Dr. A. Coates, Deputy Director of the Smithsonian Tropical Research Institute. Visit was supported by the UMEB Program. 2001.

Dr. B. M. Lomolino. Assistant Professor from State University of New York. Visit was supported by the FIU Foundation, Glaser Seminar Funds. 2002.

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Dr. Alan Tye. Director of Research Charles Darwin Research Station, the Galapagos Islands. Visit was supported by the Tropical Biology Program of FIU. 2001.

Dr. B. Baldwin, Associate Professor from University of California, Berkeley. Visit was supported by the Tropical Biology Program of FIU. 1999.

Hosting Research/Educational Visitors:

Mr. Keron Campbell, Herbarium Curator, Natural History Museum, Jamaica, 2015, 2016.

Ms. Tracy Commock, Director, Natural History Museum, Jamaica, 2015, 2016.

Phil Rose, Associate Professor, University of the West Indies at Mona, Jamaica, 2015.

Lisbet Rodriguez, Researcher, Instituto de Ecología y Sistemática, Cuba, 2014.

Gabriel Brull, Director of Protected Areas, Empresa Flora y Fauna, Cuba, 2013.

William Cinea, Director, Botanic Garden of Cayes, Haiti, 2012, 2015, 2016, 2017.

Ethan Freid, Botanist, Bahamas National Trust, The Bahamas, 2012.

Arnoldo Santos-Guerra, Head of the Unidad de Botanica, Instituto Canario de Investigaciones Agrarias, Canary Islands, Spain. 2012.

Norma Corona, Director of Education Department from Jardin Botanico de Xalapa, Mexico. 2011.

Eugenio Santiago, Associate Professor from Universidad de Puerto Rico (Rio Piedras). Length of visit: two weeks. Visit was supported by UPR-RP and Fairchild Tropical Botanic Garden. 2009.

Nirzka Martinez, graduate student from Universidad de Puerto Rico, Río Piedras (UPR-RP). Length of visit: two weeks. Visit was supported by UPR-RP and Fairchild Tropical Botanic Garden. 2007.

Danae Cabrera, graduate student from Instituto de Ecología (Xalapa, Mexico). Length of visit: one month. Visit was supported by a gift from the Bachelor Foundation to Fairchild Tropical Botanic Garden. 2007.

Isidro Ojeda, graduate student from University of British Columbia, Canada. Length of visit: two weeks. Visit was supported by the National Science Foundation (Morph Program). 2007.

Eldis Becquer, Researcher from Jardín Botánico Nacional of Cuba. Length of visit: one week. Visit was supported by Cuban Research Institute of FIU. 2005.

Dr. Juan Carlos Moreno, Associate Professor from Universidad Autónoma de Madrid, Spain. Length of visit: six months. Visit was supported by a grant from Ministry of Education, Spain. 2003 – 2004.

Ania Pinares, Researcher from Jardín Botánico Nacional of Cuba. Length of visit: 20 days. Visit was supported by Cuban Research Institute of FIU. 2004.

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Dr. Mark Carine, Researcher from the Natural History Museum of London. Length of visit: one week. Visit was supported by a grant from Natural History Museum of London. 2003.

Belén Gutiérrez-Larena, graduate student from Real Jardín Botánico de Madrid. Length of visit: one month. Visit was supported by a grant from Consejo Superior de Investigaciones Científicas, Spain. 2001.

MS. Ramona Oviedo-Prieto, Herbarium Curator of Academia Nacional de Ciencias, Cuba. Length of visit: one week. Visit was supported by a grant from New York Botanical Garden. 2000.

Dr. Javier Fuertes, Researcher from Real Jardín Botánico de Madrid. Length of visit: one month. Visit was supported by a grant from Consejo Superior de Investigaciones Científicas, Spain. 1999.

Undergraduate Student Supervision:

Marie Madeleine Jean-Louis (current).

Rose Adme (current).

Careen Beeler (joined South Florida Ecosystem Restoration Task Force).

Yaney Gonzalez (joined Medical School).

Daniel Mateo (joined graduate program in Chemistry Department, FIU).

Andy Mederos (joined the Miami-Dade Public School System as a teacher).

Sandra Namoff (joined Ph.D. program at Rancho Santa Ana Botanic Garden).

Andy Davis (joined US National Park Service, Miami).

Elena Paez (joined the Miami-Dade Public School System as a teacher).

Margarita Vegas (joined USDA–APHIS–PPQ, Miami).

Nicolas Espinosa (currently sophomore student at FIU, Biology Major).

Graduate Student Supervision:

i) As Major Professor

Michael Calonje, PhD (2010 - present) - Molecular systematic and taxonomy of *Zamia* - A cycad genus restricted to the New World. As academic advisor. Research advisor: Dr. Alan Meerow (USDA).

Nichole Tiernan, PhD (2014 - present) – Systematics of *Plumeria* (Apocynaceae).

Jonathan Flickinger, PhD (2014 - present) – Systematics of Caribbean Island Myrtaceae.

Rosa Rodríguez, MS (graduate in 2014) – Genetic diversity of endemic species of *Pseudophoenix* (Arecaceae) in Hispaniola. Currently, researcher at National Botanic Garden of the Dominican Republic.

Francisco-Ortega, Curriculum Vitae, January 2018

Nora Oleas, PhD (graduated in 2011) - Landscape genetics of *Phaedranassa* Herb. (Amaryllidaceae) in Ecuador. As academic advisor. Research advisor: Dr. Alan Meerow (USDA). Currently, Assistant Professor at Universidad Tecnológica Indoamérica, Ecuador.

Brett Jestrow, PhD (graduated in 2010) - Phylogenetics, conservation, and historical biogeography of the West Indian endemic genera of the Adelleae (Euphorbiaceae). Currently, curator of the Herbarium of Fairchild Tropical Garden.

Karen Laubengayer, MS (graduated in 2008) - *Aiphanes minima* (Gaertn.) Burret (Arecaceae): a morphological analysis of the Lesser Antillean species complex. As academic advisor. Research advisor: Dr. Scott Zona (Fairchild Tropical Botanic Garden). Currently, field research manager at Monsanto.

Jeremy Moynihan, PhD (graduated in 2008) - *Dioon* Lindl. (Zamiaceae): perspectives from phylogeny and a population genetic study of *D. edule*. Currently, working outside academia/research.

Brian Sidoti, MS (graduated in 2007) - A taxonomic revision of *Tillandsia fasciculata* Sw. (Bromeliaceae). As academic advisor. Research advisor: Dr. Scott Zona (Fairchild Tropical Botanic Garden). Currently, Ph.D. student at the University of Wisconsin.

Jennifer Trusty, PhD (graduated in 2005) - Plant biogeography and conservation on a tropical island: Isla del Coco, Costa Rica. Currently, Assistant Professor at Gulf Coast Community College (http://www.gulfcoast.edu/natural_sciences/faculty/jennifer_trusty.htm).

Susan Carrara, MS (graduated in 2004) - Genetic variation among cultivated selections of mamey sapote (*Pouteria* spp. [Sapotaceae]). As academic advisor. Research advisor: Dr. Richard Campbell (Fairchild Tropical Botanic Garden). Currently, Adjunct Instructor (Biology) at Asheville-Buncombe Technical Community College (<http://abtech.edu/directory/eDirectory.asp?Letter=C>).

Nora Oleas, MS (graduated in 2004) - Genetic structure of *Phaedranassa tunguraguae* Ravenna Amaryllidaceae, an endangered species of Ecuador. As academic advisor. Research advisor: Dr. Scott Zona (Fairchild Tropical Botanic Garden). Currently, Assistant Professor at Universidad Tecnológica Indoamérica, Ecuador.

ii) As co-Major Professor

Tracy Commock, PhD. Major Professor: Dr. Philip Rose, University of the West Indies at Mona, Jamaica - Systematics of the Jamaican genus *Dendrocousinsia* (Euphorbiaceae)

ii) As Graduate Committee Member (♠ = Graduate student completed a significant portion of his/her research in Dr. Francisco-Ortega's laboratory)

Name	Degree Sought	Advisor	Status
Inés Lee	M.S.	Martin Tracey	Graduated, 2008
Stephanie Douglas	M.S.	David Kuhn	Graduated, 2006
Robert Lowery	M.S.	Rene Herrera	Graduated, 2006
♠John Geiger	Ph.D.	Suzanne Koptur	Graduated, 2007
♠Julissa Roncal	Ph.D.	David Lee	Graduated, 2005
Melanie Froimzon	M.S.	Martin Tracey	Graduated, 2005

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Melissa Ando	Ph.D.	Hong Liu	Graduated, 2017
Jason Downing	Ph.D.	Hong Liu	Graduated, 2016
Sara Edelman	Ph.D.	Jennifer Richards	Graduated, 2017
Cleopatra Pimienta	Ph.D.	Suzanne Koptur	In progress

Society Membership:

American Society of Plant Taxonomists.

Linnean Society of London.

Botanical Society of America.

International Association for Plant Taxonomy.

Association for Tropical Biology and Conservation.

Instituto de Estudios Canarios (the few new members of this institute are appointed by recommendation by three other members).

Real Sociedad Económica de Amigos del Pais de Tenerife (appointed as foreign member, after recommendation by three other members of this society. This is the oldest cultural/academic society of the Canary Islands).

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Manuscript Reviewer:

American Journal of Botany; Anales del Real Jardín Botánico de Madrid; Annales Botanici Fennici. Biological Conservation; Botanical Journal of the Linnean Society; Conservation Genetics; International Journal of Plant Sciences; Molecular Ecology; Molecular Phylogenetics and Evolution; Oryx; Plant Systematics and Evolution; Proceedings of the National Academy of Sciences, U.S.A; Systematic Biology; Systematic Botany; Taxon.

Grant/Award Reviewer:

National Geographic Society, Biodiversity Inventories Program, National Science Foundation, International Palm Society Endowment Fund Grants, American Society of Plant Taxonomists ((1) Graduate Student Research Grants, (2) Peter Raven Award, and (3) Asa Gray Award).