

Francisco-Ortega, Curriculum Vitae, October 2012

CURRICULUM VITAE

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OCTOBER 2012

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 – 2012
Fairchild Tropical Bot. Gard.	Laboratory Head	Plant Molecular Systematics	01/1999 – Present

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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 Systematics	01/1994 – 12/1996
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 FIU

<u>Rank</u>	<u>Dates</u>
Associate Professor	08/2004 – Present
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 – 05/2011
Post-secondary Advisor of the Fairchild Challenge Program	06/2011 - Present

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PUBLICATIONS IN DISCIPLINE

* = Graduate student who had Dr. Francisco-Ortega as his/her major professor; ** = Undergraduate Student; [♠] = Graduate student completed a significant portion of her research in Dr. Francisco-Ortega's laboratory; however, Dr. Francisco-Ortega was not her major professor; § = Graduate student from another university; ☒ = Dr. Francisco-Ortega is corresponding author; NPR = Not Peer Reviewed Publication.

156.- MEEROW, A.; FRANCISCO-ORTEGA, J.; CALONJE, M.; GRIFFITH, M.P.; AYALA-SILVA, T.; STEVENSON, D. & NAKAMURA, K. (In press). *Zamia* (Cycadales: Zamiaceae) on Puerto Rico: asymmetric genetic differentiation and the hypothesis of multiple introductions. *American Journal of Botany*.

155.- KORBER, N.; GELBERG, LE.; MOSELY, J.; SWAN, M.; FREID, E.; JESTROW, B. & FRANCISCO-ORTEGA, J. (In press). The unpublished autobiography of Donovan Correll (1908-1983): accounts on Fairchild Tropical Botanic Garden and Bahamian Plants. *Moscocosa*.

154.- NPR JESTROW, B.; FREID, E.; LOPEZ, J.; CAREY, E.; HEPBURN, D.; KORBER, N.; MOSELY, J. & ☒FRANCISCO-ORTEGA, J. (In press). Flora of the Bahama Archipelago: Celebrating a 30 year Fairchild research milestone. *The Tropical Garden*.

153.- NPR ☒FRANCISCO-ORTEGA, J.; KORBER, N.; MOSELY, J.; SWAN, M.; FREID, E. & JESTROW, B. (In press). David Fairchild's Bahamian plant collecting trips. *The Tropical Garden*.

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. (In press). Genetic diversity and conservation of *Ipomoea microdactyla* (Convolvulaceae) – An endemic vine from the Bahamas, Cuba, and southeastern Florida. *Plant Species Biology*.

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. (In press). A phylogenetic study of *Dioon* Lindl. (Zamiaceae, Cycadales), based on morphology, nuclear ribosomal DNA, a low copy nuclear gene and plastid RFLPs. *Memoirs of New York Botanical Garden*.

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

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- 145.- MEEROW, A.; **FRANCISCO-ORTEGA, J.**; AYALA-SILVA, T.; STEVENSON, D. & NAKAMURA, K. (In press). Population genetics of *Zamia* in Puerto Rico, a study with ten SSR loci. *Memoirs of New York Botanical Garden*.
- 144.- *CALONJE, M.; MEEROW, A.W.; KNOWLES, L.; KNOWLES, D.; GRIFFITH, P.; NAKAMURA, K. & **FRANCISCO-ORTEGA, J.** (In press). Cycad biodiversity in the Bahama Archipelago and conservation genetics of the Critically Endangered *Zamia lucayana* (Zamiaceae). *Oryx*.
- 143.- **FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; MOSELY, J. L.; KORBE, N. & SWAN, M. (In press). David Fairchild expeditions to the Canary Islands. Plant collections and research outcomes. *Brittonia*.
- 142.- CIBRIAN-JARAMILLO, A.; HIRD, A.; OLEAS, N.; MA, H.; MEEROW, A.W.; **FRANCISCO-ORTEGA, J.** & PATRICK, G. (In press). What is the conservation value of a plant in a botanic garden? Using indicators to improve management of *ex situ* collections. *Botanical Review*.
- 141.- *OLEAS, N.; MEEROW, A.W. & **FRANCISCO-ORTEGA, J.** (In press). Molecular markers and conservation of plant species in the Latin-America: the case of *Phaedranassa viridiflora* (Amaryllidaceae). *Botanical Review*.
- 140.- LI, B.; XU, W.; TU, T.; WANG, Z.; OLMSTEAD, R.G.; PENG, H.; **FRANCISCO-ORTEGA, J.**; CANTINO, P.D. & ZHANG, D. (2012). Phylogenetic position of *Wenchengia* (Lamiaceae): a taxonomically enigmatic and critically endangered genus. *Taxon* 61: 392-401.
- 139.- **NPR** **FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; KORBE, N.; SWAN, M. & MOSELY, J. L. (2012). Following the steps of David Fairchild in the Canary Islands. *The Tropical Garden* 67(1): 60-61.
- 138.- *OLEAS, N.; JESTROW, B.; CALONJE, M.; PEGUERO, B.; JIMÉNEZ, F.; RODRÍGUEZ-PEÑA, R.; OVIEDO, R.; SANTIAGO-VALENTÍN, E.; MEEROW, A.W.; ABDO, M.; MAUNDER, M.; GRIFFITH, P. & **FRANCISCO-ORTEGA, J.** (In press). Molecular systematics of threatened seed plant species endemic in the Caribbean Islands. *Botanical Review*.
- 137.- *JESTROW, B.; GUTIERREZ, J. & **FRANCISCO-ORTEGA, J.** (2012) Islands within islands; a molecular phylogenetic study of the *Leucocroton* alliance (Euphorbiaceae) across the Caribbean Islands and within the serpentinite archipelago of Cuba. *Journal of Biogeography* 39: 452-464.
- 136.- **FRANCISCO-ORTEGA, J.** (In press). David Fairchild y sus expediciones biológicas a las Islas Canarias. *Lecturas y Conferencias del Instituto de Estudios Canarios*.
- 135.- **NPR***CALONJE, M.; KNOWLES, L.; KNOWLES, D.; MEEROW, A.; GRIFFITH, P. & **FRANCISCO-ORTEGA, J.** (2011). Following the steps of Donovan and Helen Correll: Hunting for cycads in the Bahama Archipelago. *The Tropical Garden* 66(4): 33-39.
- 134.- *TRUSTY, J.; TYE, A.; COLLINS, T.; MICHELANGELI, F.A.; MADRIZ, P. & **FRANCISCO-ORTEGA, J.** (2012). Galápagos and Cocos Islands: geographically close, botanically distant. *International Journal of Plant Sciences* 173: 36-53.
- 133.- ZONA, S.; **FRANCISCO-ORTEGA, J.**; JESTROW, B.; BAKER, W.J. & LEWIS, C.E. (2011). Molecular phylogenetics of the palm subtribe Ptychospermatinae (Arecaceae). *American Journal of Botany* 98: 1716-1726.

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- 132.- SANTOS-GUERRA, A.; JARVIS, C.E.; CARINE, M.A.; MAUNDER, M. & FRANCISCO-ORTEGA, J. (2011). Late 17th century herbarium collections from the Canary Islands: the plants collected by James Cuninghame in La Palma. *Taxon* 60: 1734-1753.
- 131.- FRANCISCO-ORTEGA, J.; SANTOS-GUERRA, A.; JARVIS, C.E.; CARINE, M.A.; MAUNDER, M. (2011). Los herbarios más antiguos de las Islas Canarias. *Makaronesia* 13: 98-111.
- 130.- MAUNDER, M.; ABDO, M.; BERAZAIN, R.; CLUBBE, C.; JIMENEZ, F.; LEIVA, A.; VAN DEN EYNDEN, V.; SANTIAGO-VALENTIN, E.; JESTROW, B. & FRANCISCO-ORTEGA, J. (2011). The island plants of the Caribbean: A review of the biogeography, diversity and conservation of a storm battered hot-spot. *In: Bramwell, D. & Caujapé-Castells, J. (eds.). The Biology of Island Floras.* Cambridge University Press, London. Pp. 154-178.
- 129.- TRUSTY, J.; KESLER, H.C.; RODRIGUEZ, J. & FRANCISCO-ORTEGA, J. (2011). Conservation status of endemic plants on Isla del Coco, Costa Rica: Applying IUCN red list criteria on a small island. *In: Bramwell, D. & Caujapé-Castells, J. (eds.). The Biology of Island Floras.* Cambridge University Press, London. Pp. 452-473.
- 128.- TYE, A. & FRANCISCO-ORTEGA, J. (2011). Origins and evolution of Galapagos endemic vascular plants. *In: Bramwell, D. & Caujapé-Castells, J. (eds.). The Biology of Island Floras.* Cambridge University Press, London. Pp. 89-153.
- 127.- GRIFFITH, P.; LEWIS, C. & FRANCISCO-ORTEGA, J. (2011). Palm conservation at a botanic garden: a case study of the Keys Thatch Palm. *Palms* 55: 93-101.
- 126.- NPR FRANCISCO-ORTEGA, J.; SANTOS-GUERRA, A.; JARVIS, C.E.; CARINE, M.A.; SEQUEIRA, M & MAUNDER, M. (2011). The search for new plants: Early explorations bring “strange” plants to European collections. *The Tropical Garden* 66(1): 43-47.
- 125.- NAMOFF, S.; VELOZ, A.; JIMENEZ, F.; RODRIGUEZ-PEÑA, R.A.; PEGUERO, B.; LEWIS, C.; MOYNIHAN, J.; ABDO, M.; MAUNDER, M.; MEEROW, A.; VON WETTBERG, E.; GRIFFITH, P. & FRANCISCO-ORTEGA, J. (2011). Sweet drinks are made of this: Conservation genetics of an endemic palm species from the Dominican Republic. *Journal of Heredity* 102: 1-10. *Cover of this issue dedicated to this study.*
- 124.- FRANCISCO-ORTEGA, J.; SANTOS-GUERRA, A.; JARVIS, C.E.; CARINE, M.A.; SEQUEIRA, M. & MAUNDER, M. (2010). Early British collectors and observers of the Macaronesian flora: From Sloane to Darwin. *In: Williams, D.M. & Knapp, S. (eds.). Beyond Cladistics. The Branching of a Paradigm.* University of California Press, Berkeley. Pp. 125-144.
- 123.- FRANCISCO-ORTEGA, J.; WANG, F.-G.; WANG, Z.-S.; XING, F.-W.; LIU, H.; XU, H.; XU, W.-X.; LUO, Y.-B.; SONG, X.-Q.; GALE, S.; BOUFFORD, D.E.; MAUNDER, M. & AN, S.-Q. (2010). Endemic seed plant species from Hainan Island: A checklist. *Botanical Review* 76: 295-345. *Cover of this issue dedicated to this study.*
- 122.- FRANCISCO-ORTEGA, J.; WANG, Z.-S.; WANG, F.-G.; XING, F.-W.; LIU, H.; XU, H.; XU, W.-X.; LUO, Y.-B.; SONG, X.-Q.; GALE, S.; BOUFFORD, D.E.; MAUNDER, M. & AN, S.-Q. (2010). Seed plant endemism on Hainan Island: A framework for conservation actions. *Botanical Review* 76: 346-376. *Cover of this issue dedicated to this study.*

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121.- *JESTROW, B.; JIMENEZ, F. & **FRANCISCO-ORTEGA, J.** (2010). Generic delimitations in the Antillean Adeliae (Euphorbiaceae) with the description of the Hispaniolan endemic genus, *Garciadelia*. *Taxon* 59: 1801-1814.

120.- NAMOFF, S.; **FRANCISCO-ORTEGA, J.**; ZONA, S. & LEWIS, C.E. (2010). Microsatellite markers developed for the Caribbean palm *Pseudophoenix sargentii* - Two PCR-based methods. *Conservation Genetics Resources* 2: 85-87.

119.- NAMOFF, S.; HUSBY, C.; NOBLICK, L.; **FRANCISCO-ORTEGA, J.**; LEWIS, C. & GRIFFITH, M.P. (2010). How well does a botanical garden collection of a rare palm capture the genetic variation in a wild population? *Biological Conservation* 143: 1110-1117.

118.- NAMOFF, S.; LUKE, Q.; JIMENEZ, F.; VELOZ, A.; LEWIS, C.E.; SOSA, V.; MAUNDER, M. & **FRANCISCO-ORTEGA, J.** (2010). Molecular phylogenetics of *Jacquemontia ovalifolia* (Convolvulaceae) - A biogeographical disjunction between Africa, the Caribbean, and the Hawaiian Islands. *Journal of Plant Research* 123: 57-65.

117.- SEQUEIRA, M.; SANTOS-GUERRA, A.; JARVIS, C.E.; OBERLI, A.; CARINE, M.; MAUNDER, M. & **FRANCISCO-ORTEGA, J.** (2010). The Madeiran plants collected by Sir Hans Sloane in 1687, and his descriptions. *Taxon* 59: 598-612.

116.- **NPR** LIU, H.; TYE, A.; JARAMILLO, P.; SIMBANA, W.; MADRIZ, P.; AN S.; WANG, W.; XU, W.; TRUSTY, J.; MAUNDER, M.; LEWIS, C. & **FRANCISCO-ORTEGA, J.** (2010). Science in Fairchild: Conservation and biodiversity on Pacific Islands. *The Tropical Garden* 65(1). 28-31.

115.- **NPR** SANTIAGO-VALENTIN, E.; SANCHEZ-PINTO, L. & **FRANCISCO-ORTEGA, J.** (2010). From the Canary Islands to the Greater Antilles. Domingo Bello y Espinosa and his contributions to the study of the plants of Puerto Rico. *The Tropical Garden* 65(3): 44-46.

114.- **FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A. & BACALLADO, J.J. (2009). Biology – Canary Islands. *In*: Gillespie, R.G. & Clague, D.A. (eds.). Pp. 127-133. *Encyclopedia of Islands*. University of California Press, Berkeley.

113.- *ANDRUS, N.; TYE, A.; NESOM, G.; BOGLER, D.; LEWIS, C.; NOYES, R.; JARAMILLO, P. & **FRANCISCO-ORTEGA, J.** (2009). Phylogenetics of *Darwiniothamnus* (Asteraceae: Astereae) - Molecular evidence for multiple origins in the endemic flora of the Galápagos Islands. *Journal of Biogeography* 36: 1055-1069. *Cover of this issue dedicated to this study.*

112.- *OLEAS, N.H.; MEEROW, A.W. & **FRANCISCO-ORTEGA, J.** (2009). Eight microsatellite loci in *Phaedranassa schizantha* Baker (Amaryllidaceae) and cross-amplification in other *Phaedranassa* species. *Conservation Genetics* 10: 1887-1889.

111.- §OJEDA, I.; **FRANCISCO-ORTEGA, J.** & CRONK, Q.C.B. (2009). Evolution of petal epidermal micromorphology in Leguminosae and its use as a marker of petal identity. *Annals of Botany* 104: 1099-1110.

110.- **NPR** **FRANCISCO-ORTEGA, J.** & ZONA, S. (2009). Tapping palms for sugar. *The Miami Herald* (November 29): 1H – 8H.

109.- **NPR** WANG, Z.S.; AN, S.; LIU, H.; XU, W.-X.; XU, H.; MAUNDER, M. C. & **FRANCISCO-ORTEGA, J.** (2009). Plant conservation and biodiversity on Hainan Island. *The Tropical Garden* 64(1-2): 38-39.

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- 108.- **NPR** CALONJE, M.; JIMENEZ RODRIGUEZ, F.; VELOZ. & **FRANCISCO-ORTEGA, J.** (2009). Teamwork for cycads in the Dominican Republic. *Montgomery Botanical News* 17(2): 1.
- 107.- **NPR** ☒**FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; CARINE, M.A. & JARVIS, C.E. (2009). Francis Masson y los primeros estudios taxonómicos modernos de la Flora Macaronesica. *El Indiferente* 20: 2-11.
- 106.- CARIAGA, K.A.; PRUSKI, J.F.; OVIEDO, R.; ANDERBERG, A.A.; LEWIS, C.E. & ☒**FRANCISCO-ORTEGA, J.** (2008). Phylogenetic and taxonomic placement of *Feddea* Urban (Asteraceae): An enigmatic and highly threatened genus endemic to eastern Cuba. *Systematic Botany* 33: 193-202.
- 105.- ☒**FRANCISCO-ORTEGA, J.**; §VENTOSA, I; OVIEDO, R.; FRANCISCO JIMENEZ, F.; HERRERA, P., MAUNDER, M. & PANERO, J. (2008). Caribbean Island Asteraceae: Systematics, molecules, and conservation on a biodiversity hotspot. *Botanical Review* 74: 112-131.
- 104.- ☒**FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A.; CARINE, M. & JARVIS, C. (2008). Plant hunting in Macaronesia by Francis Masson: the plants sent to Linnaeus and Linnaeus filius. *Botanical Journal of the Linnean Society* 157: 393-428.
- 103.- *JESTROW, B.; PROCTOR, G. & **FRANCISCO-ORTEGA, J.** (2008). *Lasiocroton trelawniensis* (Euphorbiaceae) a critically endangered species from the Cockpit Country of Jamaica belongs to *Bernardia* (Euphorbiaceae). *Botanical Review* 74: 166-177.
- 102.- MAUNDER M.; LEIVA, A.; SANTIAGO-VALENTÍN, E.; STEVENSON, D.W.; ACEVEDO-RODRIGUEZ, P.; MEEROW, A.W.; MEJÍA, M.; CLUBBE, C. & **FRANCISCO-ORTEGA, J.** (2008). Plant Conservation in the Caribbean Island biodiversity hotspot. *Botanical Review* 74: 197-207.
- 101.- **NPR** SANTIAGO-VALENTIN, E. & ☒**FRANCISCO-ORTEGA, J.** (2008). Plant evolution in the Caribbean Islands – Perspectives from molecular markers. *Botanical Review* 74: 1-4.
- 100.- *THORNTON, H.E.B.; †RONCAL, J.; LEWIS, C.E.; MASCHINSKI, J. & ☒**FRANCISCO-ORTEGA, J.** (2008). Conservation genetics of *Jacquemontia reclinata* (Convolvulaceae), an endangered species from Southern Florida: Implications for restoration management. *Biotropica* 40: 507-514.
- 99.- §ZGURSKI, J.M.; §RAI, H.S; FAI, Q.M.; BOGLER, D.J.; **FRANCISCO-ORTEGA, J.** & GRAHAM, S.W. (2008). How well do we understand the overall backbone of cycad phylogeny? New insights from a large, multigene plastid data set. *Molecular Phylogenetics and Evolution* 47: 1232-1237.
- 98.- BARBER, J.C.; §COURTNEY C.F.; **FRANCISCO-ORTEGA, J.**; SANTOS-GUERRA, A. & JANSEN, R.K. (2007). Hybridization in Macaronesian *Sideritis* (Lamiaceae): Evidence from incongruence of multiple independent nuclear and chloroplast sequence datasets. *Taxon* 56: 74-88.
- 97.- **DAVIS, A.; LEWIS, C.E.; **FRANCISCO-ORTEGA, J.** & ZONA, S. (2007). Differentiation among insular and continental populations of *Coccothrinax argentata* (Arecaeae): evidence from ISSR data and a common garden experiment. *Taxon* 56: 103-111.
- 96.- ☒**FRANCISCO-ORTEGA, J.**; SANTIAGO-VALENTIN, E.; ACEVEDO-RODRIGUEZ, P.; LEWIS, C.E.; PIPOLY III, J.; MEEROW, A. & MAUNDER, M. (2007). Seed plant genera endemic to the Caribbean Island biodiversity hotspot: A review and a molecular phylogenetic perspective. *Botanical Review* 73: 183-234.

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- 95.- MEEROW, A.W.; STEVENSON, D.; *MOYNIHAN, J. & FRANCISCO-ORTEGA, J. (2007). Unlocking the coontie conundrum: the potential of microsatellite DNA studies in the Caribbean *Zamia pumila* complex (Zamiaceae). *Memoirs of New York Botanical Garden* 98: 484-518.
- 94.- §MORT, M. E.; SOLTIS, D. E.; SOLTIS, P. S.; SANTOS-GUERRA, A. & FRANCISCO-ORTEGA, J. (2007). Physiological evolution and association between physiology and growth form in *Aeonium* (Crassulaceae). *Taxon* 56: 453-464.
- 93.- **NAMOFF, S.; *THORNTON, H.E.B.; LEWIS, C.E.; OVIEDO, R. & ☒FRANCISCO-ORTEGA, J. (2007). Molecular evidence for taxonomic relationships of *Jacquemontia reclinata* (Convolvulaceae): A critically endangered species from coastal strand of Florida. *Botanical Journal of the Linnean Society* 154: 443-454.
- 92.- ^φRONCAL, J.; FRANCISCO-ORTEGA, J. & LEWIS, C.E. (2007). An evaluation of taxonomic distinctness of two *Geonoma macrostachys* (Arecaceae) varieties based on inter-simple sequence repeat (ISSR) variation. *Botanical Journal of the Linnean Society* 153: 381-392.
- 91.- NPR ☒FRANCISCO-ORTEGA, J.; CARINE, M.; JARVIS, C; SANTOS-GUERRA, A. & MAUNDER, M. (2007). The Fairchild Tropical Botanic Garden celebrates the 300th anniversary of Carolus Linnaeus – Historical research at the Garden. *The Tropical Garden* 62(2): 30-31.
- 90.- NPR MAUNDER, M.; DONALDSON, J.; FRANCISCO-ORTEGA, J.; LUKE, Q.; MEEROW, A.; JONES, C. & DAVENPORT, M. (2007). The Fairchild cycad conservation initiative. *Public Garden* 22(2): 19, 44.
- 89.- BOGLER, D.J.; PIRES, J.C. & FRANCISCO-ORTEGA, J. (2006). Phylogeny of Agavaceae based on ndhF, rbcL, and ITS sequences: implications of molecular data for classification. *Aliso* 22: 313-328.
- 88.- MEEROW, A.M.; FRANCISCO-ORTEGA, J.; KUHN, D.N. & SCHNELL, R.J. (2006). Phylogenetic relationships and biogeography within the Eurasian clade of Amaryllidaceae based on plastid ndhF and nrDNA ITS sequences: Lineage sorting in a reticulate area? *Systematic Botany* 31: 42-60.
- 87.- *MOYNIHAN, J.; MEEROW, A.W.; FRANCISCO-ORTEGA, J. (2006). Isolation, characterization and cross-species amplification of microsatellite loci in the cycad genus *Dioon* (Zamiaceae). Potential utilization in population genetics studies of *Dioon edule*. *Molecular Ecology Notes* 7: 72-74.
- 86.- NPR ☒FRANCISCO-ORTEGA, J.; SANTIAGO-VALENTIN, E.; ACEVEDO-RODRIGUEZ, P.; LEWIS, C.E.; MEEROW, A. & MAUNDER, M. (2006). Defining the Caribbean Hotspot: the endemic plant genera. *Plant Talk* 44: 10-11.
- 85.- NPR ☒FRANCISCO-ORTEGA, J.; LEWIS, C.E.; DAVENPORT M. (2006). Jewels of the Caribbean. Fairchild Tropical Garden. *The Tropical Garden* 61(1): 14-19.
- 84.- NPR ☒FRANCISCO-ORTEGA, J. (2006). Alan W. Meerow – Recipient of the 2005 Peter Raven Award. *Systematic Botany* 31: 5-7.
- 83.- CARIAGA, K.; LEWIS, C.E.; MASCHINSKI, J.; WRIGHT, S. & ☒FRANCISCO-ORTEGA, J. (2005). Conservation genetics of Florida Keys endemic *Consolea coralicolla* (Cactaceae): Evidence from ISSRs. *Caribbean Journal of Science* 41: 225-233.

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82.- *OLEAS, N.H.; MEEROW, A.W. & FRANCISCO-ORTEGA, J. (2005). Isolation and characterization of eight microsatellite loci from *Phaedranassa tunguraguae* (Amaryllidaceae). *Molecular Ecology Notes* 5: 791-793.

81.- ^φRONCAL, J.; FRANCISCO-ORTEGA, J.; ASMUSSEN, C.B. & LEWIS, C.E. (2005). Molecular phylogenetics of tribe Geonomeae (Arecaceae) using nuclear DNA sequences of phosphoribulokinase and RNA polymerase II. *Systematic Botany* 30: 275-283.

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PRESENTED PAPERS, AND LECTURES

A. PAPERS PRESENTED AT PROFESSIONAL MEETINGS

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.

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- 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).

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.

Francisco-Ortega, Curriculum Vitae, October 2012

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

- 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).

Sixth 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.

XVII 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

Francisco-Ortega, Curriculum Vitae, October 2012

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.
- 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

Francisco-Ortega, Curriculum Vitae, October 2012

- 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).
- 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.

V 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).

XVI International Botanical Congress, St. Louis, Missouri, 1999

- 1.- Paper presented: Diversity, biogeography, and evolution of the flora of the Canary Islands.

Francisco-Ortega, Curriculum Vitae, October 2012

- 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.
- 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: Phytogeographic 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: Brassicineae) in Macaronesia.

Francisco-Ortega, Curriculum Vitae, October 2012

- 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.

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

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.

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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.

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 (*= Graduate student)

*LAUBENGAYER, K.; ZONA, S.; SANTIAGO-VALENTIN, E.; HUSBY, C. & FRANCISCO-ORTEGA, J. (Submitted). Morphometric analysis of *Aiphanes minima* across the Antilles. Harvard Papers in Botany.

B. RESEARCH IN PROGRESS

Cycad Biodiversity:

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

Cycad Anatomy: A phylogenetic approach.

Using single-copy nuclear genes to reconstruct phylogenetic relationships within the Cycadales

Francisco-Ortega, Curriculum Vitae, October 2012

Palm Biodiversity:

Conservation and population genetics of *Pseudophoenix*, a palm genus endemic in the Caribbean Basin.

Morphological differentiation within the *Aiphanes minima*, a species complex endemic to the Caribbean Islands.

Phylogenetics of the palm genus *Syagrus*.

Caribbean Island Plants:

Plant endemism in Haiti.

Systematics of genera endemic to the Caribbean Islands.

Plant Biodiversity in the Bahamas Archipelago..

Tropical and Subtropical Island Plants:

Cacti on Islands: A phylogenetic and biodiversity review..

History of Plant Exploration:

Pre-Linnean references for plant exploration and collection on the Atlantic Islands.

Early floristic accounts for the Caribbean Islands.

Plant-hunting expeditions by David Fairchild.

FUNDED RESEARCH

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: 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.

Francisco-Ortega, Curriculum Vitae, October 2012

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 (Jardin Botanico Nacional de Cuba), collaborators: J. Francisco-Ortega, R. Oviedo (Instituto de Ecologia y Sistemática, Cuba), R. Verdicia (Jardin Botanico de Las Tunas, Cuba), and S. Zona (Fairchild Tropical Botanic Garden). 2003 – 2004. \$7,500.

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

Francisco-Ortega, Curriculum Vitae, October 2012

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.

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.

Francisco-Ortega, Curriculum Vitae, October 2012

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.

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. 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.

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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.

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:

William Cinea, Director, Botanic Garden of Cayes, Haiti, 2012

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.

Francisco-Ortega, Curriculum Vitae, October 2012

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.

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:

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

Rosa Rodríguez, MS (2012 - present) – Genetic diversity of endemic species of *Pseudophoenix* (Arecaceae) in Hispaniola.

Michael Calonje, PhD (2010 - present) - Molecular systematic and taxonomy of *Zamia* - A cycad genus restricted to the New World.

Francisco-Ortega, Curriculum Vitae, October 2012

Nora Oleas, PhD (graduated in 2011) - Landscape genetics of *Phaedranassa* Herb. (Amaryllidaceae) in Ecuador.

Brett Jestrow, PhD (graduated in 2010) - Phylogenetics, conservation, and historical biogeography of the West Indian endemic genera of the Adeliae (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. 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). 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]). 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.

ii) As Graduate Committee Member (^φ = 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
^φ John Geiger	Ph.D.	Suzanne Koptur	Graduated, 2007
^φ Julissa Roncal	Ph.D.	David Lee	Graduated, 2005
Melanie Froimzon	M.S.	Martin Tracey	Graduated, 2005

Francisco-Ortega, Curriculum Vitae, October 2012

Community Service and Outreach:

Volunteer and Room-Parent at Sunset Elementary School, Miami, Florida. 2011 – present.

Judge for student presentations at the Annual South Florida Regional Science and Engineering Fair organized by the Division of Mathematics and Science of the Miami-Dade County Public Schools. 2011.

Judge for student presentations at the Annual South Florida Regional Science and Engineering Fair organized by the Division of Mathematics and Science of the Miami-Dade County Public Schools. 2003.

Active participation in vast majority of weekend community events of Fairchild Tropical Botanic Garden. 1999 – 2011.

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).

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).