

Carlos Jaramillo

CTPA
Smithsonian Tropical Research Institute
Apartado 0843 – 03092
Balboa, Ancón
Panamá, República de Panama
Phone: 507-2128089
e-mail: jaramilloc@si.edu
<http://www.stri.org/>

Birthdate: May 6, 1969

Birthplace: Bogotá, Colombia

Research interests

My research investigates the causes, patterns, and processes of tropical biodiversity at diverse temporal and spatial scales. I intend to address questions from a paleontological perspective (mainly using fossil pollen, spores and dinoflagellates), a point of view that is vital for understanding and predicting the behavior of biota in tropical ecosystems. I am also interested in Cretaceous-Cenozoic biostratigraphy of low latitudes, developing methods for high-resolution biostratigraphy and the paleobiogeography of Tethys.

Education

University of Florida	1995-1999	Ph.D. Geology, Botany
University of Missouri-Rolla	1994-1995	M.S. Geology
Universidad Nacional de Colombia	1986-1992	Geologist

Short Courses

Estratigrafía de la Formación Caballos, ACGGP, Bucaramanga, 2002
High-Precision Chronostratigraphy by Graphic Correlation. Reno, NV, November 2000.
Mesozoic-Cenozoic Dinoflagellate Cyst Course. Urbino, Italy, May 1999
Tropical Plant Systematics. OTS. Costa Rica, June-August 1998.
Siliciclastic Sequence Stratigraphy Short Course. AAPG, Denver, July 1994.
Parasequences and Oil exploration Short Course. University of Colorado, Boulder, November 1993.
Louisiana Swamps and Marshes Short Course. Louisiana State University, Baton Rouge, October 1993.

Major positions held

Staff Scientist, Endowment Chair in Paleobiology, STRI, 09/05 to date
Consejero Investigador, Corporacion ARES, 01/1993 to date
Biostratigrapher, Instituto Colombiano del Petroleo, 03/2002 to 08/05
Research Associate Florida Museum of Natural History. 07/2001 to date
Florida Museum of Natural History, Postdoc, 2001-2002

Smithsonian Institution, Postdoc, 2000-2001
Petroleum Research Foundation, Postdoc, 1999-2000
Palynologist Ares Geological Corporation. 06/98 to 12/01.
Graduate Teaching Assistantship. University of Florida. 07/98-07/99
Graduate Teaching Assistantship. University of Florida. 07/96-05/97
Graduate Research Assistantship. University of Missouri-Rolla. 01-94 to 05/95.
Palynologist. Ares Geological Corporation, Bogota. 06/93 to 12/93.
Junior Palynologist. Bioestratigrafica Ltda, Bogota. 06/92- 05/93
Teaching Assistantship. Universidad Nacional de Colombia. 1990-1991-1992
Field geologist. Fabio Colmenares-British Petroleum Company, Bogota. June 1992 .
Field assistant in the Ph. D. dissertation: "Zonation of the Cretaceous of the Andean
Colombia by Inoceramides". Tomás Villamil Ph.D. University of Colorado. 1991.
Research geologist. "Paleogeographic map of Paleocene" Geotec. March, 1991.

Publications

Published Papers

PDF of papers can be found at

<http://striweb.si.edu/publications/results.php?scientist=Carlos+A.+Jaramillo>

- Hastings, A., Bloch, J., Jaramillo, C., Rincon, A., MacFadden, B. 2013 Systematics and Biogeography of Crocodylians from the Miocene of Panama. *Journal of Vertebrate Paleontology* 33: 1-25.
- Pimiento, C., Gonzales, G., Hendy, A., Jaramillo, C., MacFadden, B., Montes, C., Suarez, S., and Shippritt, M. 2013 Early Miocene chondrichthyes from the Culebra Formation, Panama: a window into marine vertebrate faunas before closure the Central American Seaway. *Journal of South American Earth Sciences*, *in press*.
- Mejia, P., Dilcher, D., Jaramillo, C., and Fortini, L. 2012 Palynological composition of a low latitude tropical site during the Lower Cretaceous: climatic and floristic implications. *American Journal of Botany*, *in press*.
- Martinez, C., Madriñan, S., Zavada, M., and Jaramillo, C. 2012 Tracing the fossil pollen record of *Hedyosmum* (Chloranthaceae), a basal angiosperm. *Grana*, *in press*.
- Bayona, G., Cardona, A., Jaramillo, C., Mora, A., Montes, C., Caballero, V., Mahechoa, H., Lamus, F., Montenegro, O., Jimenez, G., and Ibañez, M. 2012 Onset of fault reactivation in the Eastern Cordillera of Colombia and proximal Llanos basin; response to Caribbean – South American collision in early Palaeogene time. *Geological Society of London Special publication – Thick-Skin-Dominated Orogens: From Initial Inversion to Full Accretion*, *in press*.
- Rincon, A., Bloch, J.I., MacFadden, B.J., and Jaramillo, C. 2012 First Central American Record of Anthracotheriidae (Mammalia, Bothriodontinae) from the early Miocene of Panama. *Journal of Vertebrate Paleontology*, *in press*.
- Jaramillo, C., Zavada, M., Ortiz, J., Pardo, A., and Ochoa, D. 2012 The Biogeography of the Araucarian dispersed pollen *Cyclusphaera*. *International Journal of Plant Biology*, *in press*.
- Head, J., Rincon, A., Suarez, C., Montes, C., and Jaramillo, C. 2012 Fossil evidence for earliest Neogene American faunal interchange: *Boa* (Serpentes, Boinae) from the early Miocene of Panama. *Journal of Vertebrate Paleontology* 32: 1328-1334.
- Jaramillo, C., and Quiroz, L., 2012, El registro sedimentario de Falcón, in Sanchez-

- Villagra, M., ed., Venezuela Paleontológica, Evolución en el pasado geológico del norte del neotrópico: Zurich, Universitat Zurich, p. 175-187.
- Bacon, C., Mora, A., Wagner, W.L., and Jaramillo, C. 2012 Testing a new geological model of evolution of the Isthmus of Panama in a phylogenetic framework using palms (Arecaceae). Botanical Journal of the Linnean Society, DOI: 10.1111/j.1095-8339.2012.01281.x.
- Molinares, C. Martinez, J.I., Fiorini, F., Escobar, J., and Jaramillo, C. 2012 Migration of the Magdalena delta during the Early Pliocene: paleoenvironmental evidences from Arroyo Piedras Section (Tubará), Colombia Caribbean. Journal of South American Earth Sciences 39: 170-183.
- Ochoa, D., Hoorn, C., Jaramillo, C., Bayona, G., Parra, de la Parra, F, and Parra, M. 2012 The final phase of tropical lowland deposition in the axial zone of the Eastern Cordillera: Evidence from three palynological records. Journal of South American Earth Sciences 39: 157-169.
- Ayala, C., Bayona, G., A., Cardona, A., Ojeda, C., Montenegro, O.C., Montes, C., Valencia, V., and Jaramillo, C. 2012. The Paleogene synorogenic succession in the northwestern Maracaibo block: tracking the shift from regional to local sediment-delivery systems. Journal of South American Earth Sciences 39: 93-111.
- Cadena, E. A., Jaramillo, C., and Bloch, J.I. 2012 New material of the platychelyid turtle *Notoemys zapatoacaensis* from the Early Cretaceous of Colombia; implications for understanding Pleurodira evolution. In D. Brinkman, P. Holroyd, J. Garner. *Morphology and evolution of turtles*. (Eds) Springer, p. 105-120.
- Jaramillo, C. 2012 Historia Geológica del Bosque Húmedo Neotropical. Revista de la Academia Colombiana de Ciencias Exactas, Físicas y Naturales 36: 59-80.
- Stull, G.W., Herrera, F., Manchester, S., and Jaramillo, C. 2012 Fruits of an “Old World” tribe (Phytocreneae; Icacinaceae) from the Paleogene of North and South America. Systematic Botany 37: 784-794.
- Cadena, E., Bloch, J., and Jaramillo, C., 2012. New Bothremydid turtle (Testudines, Pleurodira) from the Paleocene of North-Eastern Colombia. Journal of Paleontology 86: 689-699.
- Bayona, G., Cardona, A., Jaramillo, C., Mora, A., Montes, C., Valencia, V., Ayala, C., Montenegro, O., and Ibañez, M. 2012 Early Paleogene magmatism in the northern Andes: insights on the effects of Oceanic Plateau-continent convergence. Earth and Planetary Science Letters 331-332: 97-111.
- Rodriguez-Forero, G., Oboh-Ikuenobe, F., Jaramillo, C., Rueda, M., and Cadena, E. 2012. Palynology of the Eocene Esmeraldas Formation, Middle Magdalena Valley, Colombia. Palynology 36: 96-111.
- Montes, C., Bayona, G., Cardona, A., Buchs, D.M., Silva, C.A., Moron, S.E., Hoyos, N., Ramirez, D.A., Jaramillo, C., and Valencia, V. 2012 Arc-Continent Collision and Orocline Formation: Closing of the Central American Seaway. Journal of Geophysical Research 117, B04105, doi:10.1029/2011JB008959.
- Cadena, E., Bourque, J., Rincon, A., Bloch, J.I., Jaramillo, C., and MacFadden, B. 2012 New Turtles (Chelonia) from the Late Eocene through Late Miocene of the Panama Canal Basin. Journal of Paleontology 86: 539-557.
- Luque, J., Feldmann, R.M., Schweitzer, C.E., Jaramillo, C., and Cameron, C.B. 2012 The Oldest Frog Crabs (Decapoda: Brachyura: Raninoidea) From The Aptian Of Northern South America. Journal of Crustacean Biology 32: 405-420.

- Herrera, F., Manchester, S., and Jaramillo, C. 2012 Permineralized fruits from the late Eocene of Panama give clues of the composition of forests established early in the uplift of Central America. *Review of Palaeobotany and Palynology* 175:10-24.
- Rincon, A., Bloch, J.I., Suarez, C., MacFadden, B.J., and Jaramillo, C. 2012 New Floridatragulines (Mammalia, Camelidae) From The Early Miocene Las Cascadas Formation, Panama. *Journal of Vertebrate Paleontology*, 32: 456-475.
- Cadena, E., Ksepka, D.T., Jaramillo, C., Bloch, J.I. 2012 New pelomedusoid turtles (Testudines, Panpleurodira) from the late Palaeocene Cerrejón Formation of Colombia and implications for phylogeny and body size evolution. *Journal of Systematic Paleontology* 10: 313-331.
- Montes, C., Cardona, A., MacFadden, R., Moron, S.E., Silva, C.A., Restrepo-Moreno, S., Ramirez, D.A., Wilson, J., Farris, D., Bayona, G.A., Jaramillo, C., Valencia, V., and Flores, J.A. 2012 Evidence for middle Eocene and younger emergence in Central Panama: implications for Isthmus closure. *Geological Society of America Bulletin*, DOI: 10.1130/B30528.1.
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- Herrera, F., Manchester, S.R., Hoot, S.B., Wefferling, K. Carvalho, M. and Jaramillo, C. 2011 Phytogeographic Implications of fossil endocarps of Menispermaceae from the Paleocene of Colombia. *American Journal of Botany* 98: 2004-2017.
- Baresh, A., Smith, J.A.C., Winter, K., Valerio, A., and Jaramillo, C. 2011 *Karatophyllum bromelioides* L.D. Gómez revisited, a probable fossil CAM bromeliad. *American Journal of Botany* 98: 1-4.
- Farris, D.W., Jaramillo, C., Bayona, G., Restrepo-Moreno, S., Montes, C., Cardona, A., Mora, A., Speakman, R.J., Glasscock, M.D., Reiners, P., Valencia, V. 2011 Fracturing of the Panamanian Isthmus during initial collision with South America. *Geology* 39: 1007-1010.
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- Hasting, A., Bloch, J., and Jaramillo, C. 2011 A new longirostrine dyrosaurid (Crocodylomorpha, Mesoeucrocodylia) from the Paleocene of north-eastern Colombia: biogeographic and behavioral implications for New World Dyrosauridae. *Palaeontology* 54: 1095-1116.
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- Jaramillo, C., Rueda, M., and Torres, V. 2011. A Palynological Zonation for the Cenozoic of the Llanos and Llanos Foothills of Colombia. *Palynology* 35: 46-84.
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- Jaramillo, C., Ochoa, D., Contreras, L., Pagani, M., Carvajal-Ortiz, H., Pratt, L.M., Krishnan, S., Cardona, A., Romero, M., Quiroz, L., Rodriguez, G., Rueda, M., De la Parra, F., Moron, S., Green, W., Bayona, G., Montes, C., Quintero, O., Ramirez, R., Mora, A., Schouten, S., Bermudez, H., Navarrete, R.E., Parra, F., Alvaran, M., Osorno, J., Crowley, J.L., Valencia, V., and Vervoort, J., 2010, Effects of Rapid Global Warming at the Paleocene-Eocene Boundary on Neotropical Vegetation: *Science* 330: 957-961.
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- Mora, A., Parra, M., Strecker, M.R., Sobel, E.R., Zeilinger, G., Jaramillo, C., Da Silva, S., and Blanco, M. 2010 The Foothills of the Eastern Cordillera of Colombia. An example of multiple factors controlling structural styles and active tectonics. *Geological Society of America Bulletin* 122:1846-1864.
- Quiroz, L. and Jaramillo, C. 2010 Stratigraphy and sedimentary environments of Miocene shallow to marginal marine deposits in the Urumaco Trough, Falcon Basin, western Venezuela. In: Sanchez-Villagra, M., Aguilera, O. & Carlini, A.A. (eds.) *Urumaco and Venezuelan Palaeontology. The fossil record of the Northern Neotropics*. Bloomington, Indiana University Press, pp. 153-172.
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- Hopkins, D.J., Johnson, K.R., and Jaramillo, C. 1998. Diversity and evolution of Cenozoic cycads in western North America. Abstracts and Proceedings, BSA annual meeting, Baltimore.
- Bayona, G. and Jaramillo, C. 1998. Maastrichtian-Paleocene basin evolution of northwestern South America: the transition from a mature extensional basin to a foreland basin. AAPG annual meeting, Salt Lake City, UT, analytic compact disc.
- Jaramillo, C. and Dilcher, D. 1997. Middle Paleogene Palynology of La Pinalerita section, Llanos Foothills, Colombia: Biostratigraphic and Sequence Stratigraphic Implications. Symposium of Palynostratigraphy of Low Latitudes, Isla Margarita, Venezuela.
- Jaramillo, C. and Oboh, F. 1996. Sequence Stratigraphic Interpretations from Dinocyst Distribution, Palynofacies, and Lithologic Characteristics: an Example from the Late Paleogene of the Eastern Gulf Coast, USA". Ninth International Palynological Congress, Houston, Abstracts, p. 72.
- Jaramillo, C. and Dilcher, D.L. 1996. Paleocological Reconstructions from Palynological and Plant Megafossil Remains: Two Opposite Points of View. Ninth International Palynological Congress, Houston., Abstracts, p. 71.

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- Dilcher, D.L., Jaramillo, C., and Setterholm, D.R. 1996. Fossil plants from Mid-Cretaceous sediments in Southwest Minnesota". Abstract with Programs-GSA, v. 28, 6, p. 36.
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- Oboh, F., Jaramillo, C., and Reeves, L. 1995. Late Eocene and Early Oligocene Paleofloristics patterns in Southern Mississippi and Alabama . Palynology 19: 245.
- Jaramillo, C. Yepes, O. 1995. Palynological Recognition of a Maximum Flooding Surface. Abstracts and Proceedings, AAPG Annual Meeting, Houston, TX., p. 47A.
- Jaramillo, C., Barreto, M. and Montes, C. 1994. Tectonism and its Role in Evolution. Remarks from the Cordillera Oriental of Colombia. Abstracts and Proceedings, GSA Annual Meeting, Seattle, Washington, p. A-60.
- Villamil, T., Arango, C., Kauffman, E. and Jaramillo, C. 1994. Cyclicity in the Cretaceous Organic Rich Facies of Colombia and Its Predictive Potential for Evaluating source-Rocks. Annual Meeting abstracts, AAPG and SEPM, v. 1994, p.277.
- Jaramillo, C., and Yepes, O. 1994. Recognition of a Maximum Flooding Surface: Two examples from the Cretaceous of Colombia. Palynology 18: 249-250.

Published Abstracts of Papers Presented at Professional Meetings by other lab members

- Schemm-Gregory, M. (2010): El origen del género *Intermedites* (Delthyridoidea, Brachiopoda). – In: Santos, A., Mayoral, E., Meléndez, G., Marques da Silva, C. & Cachão, M. (eds.): Libro de Resúmenes. Livro de Resumos. III Congresso Ibérico de Palaeontologia e XXVI Jornadas de la Sociedad Española de Paleontología. – Publicaciones del Seminario de Paleontología de Zaragoza (SEPAZ), 9, 2010: 295.
- Schemm-Gregory, M. & Zambito, J.J. (2010): Nueva especie de *Ambocoelia* (Brachiopoda) del Devónico Medio (Zona *Ensensis*) de las pizarras de Silica del noroeste de Ohio (E.E.U.U.– In: Santos, A., Mayoral, E., Meléndez, G., Marques da Silva, C. & Cachão, M. (eds.): Libro de Resúmenes. Livro de Resumos. III Congresso Ibérico de Palaeontologia e XXVI Jornadas de la Sociedad Española de Paleontología. – Publicaciones del Seminario de Paleontología de Zaragoza (SEPAZ), 9, 2010: 293.
- Schemm-Gregory, M. & Zambito, J.J. (2010): La taxonomía revisada y la interpretación paleo-autecológica del género braquiópodo *Ambocoelia* del Devónico Medio y Superior del Estado de Nueva York. – In: Santos, A., Mayoral, E., Meléndez, G., Marques da Silva, C. & Cachão, M. (eds.): Libro de Resúmenes. Livro de Resumos. III Congresso Ibérico de Palaeontologia e XXVI Jornadas de la Sociedad Española de Paleontología. – Publicaciones del Seminario de Paleontología de Zaragoza (SEPAZ), 9, 2010: 294.
- Rojas-Briceño, A. & O’Dea, A. (2010): Morphology and ecology of recent brachiopod assemblages from the Caribbean coast of Panama. -Programme & Abstracts, 3th

- International Palaeontological Congress, London.
- Rojas-Briceño, A. & Patarroyo, P. (2010): Lower Cretaceous brachiopods from Colombia. -Programme & Abstracts, 6th International Brachiopod Congress, Australia. Geological Society of Australia, Abstracts No. 95, p. 91.
- Rojas-Briceño, A., Patarroyo, P. & Gracia, A. (2010): Recent terebratulids (BRACHIOPODA) of San Bernardo, Caribbean Sea from Colombia. -Programme & Abstracts, 6th International Brachiopod Congress, Australia. Geological Society of Australia, Abstracts No. 95, p. 91.
- Schemm-Gregory, M. & Rojas-Briceño, A. (2010): The Lower Cretaceous brachiopod fauna from Central Colombia and their relationship to low latitude Tethyan brachiopods. – Newsletter of the Palaeontological Association, **75**: 70; London.

Grants and Fellowships

- Gregory D. and Jennifer Walston Johnson Donation, 2012, U\$45,000
- NGS 2012 9066-12, U\$20,000
- ICP Research Grant, 2010, U\$769,000
- NSF OISE-EAR-DRL 0966884, 2010, U\$ 3.8 Million UF & STRI (0.5 Million subaward to STRI)
- NSF EAR 0957679, 2010, U\$ 160,000
- NGS 2009 ECO433-09, U\$20,000
- ICP Research Grant, 2009, U\$565,000
- NMNH, 2009, U\$20,000
- U. Caldas, 2009, U\$100,000
- ANH, 2009, U\$50,000
- Ares, 2009, U\$ 7,000
- NSF 0824299, 2008, U\$35,000
- ICP Research Grant, 2008, U\$ 81,000
- ANH, 2008, U\$ 117,000
- ACP, 2008, U\$1,000.000
- SI Unrestricted Endowment Awards, 2007, U\$ 15,000
- Senacyt, 2007. U\$ 69,000
- NSF DEB-0733725, 2007, U\$ 73,772
- SI Women's Committee, 2007, U\$ 24,325
- Mark Tupper to support the Paleontology of the Panama Canal, 2007, U\$ 250,000
- ICP Research Grant, 2007, U\$ 492,000
- Chevron grant to support Short Term Fellowship Program, 2007, U\$ 3,000
- National Geographic Research Grant, 2007, \$19,500
- Banco la Republica Grant, 2007, \$8,500
- Senacyt, 2006, U\$64,000
- ICP Research Grant, 2006, U\$ 245,000
- SI Unrestricted Endowment Awards, 2005, U\$ 100,000
- ICP Research Grant, 2005, U\$ 128,000
- Colombian Petroleum Institute Research Grant, 2004, U\$210,000
- IPC-Granada Travel Grant, 2004, U\$800
- Banco de la República grant, 2004, U\$750
- Four fellows, "Jovenes Investigadores" Program, Colciencias, 2004, U\$ 8,200
- University of Missouri-Rolla, 2003, U\$2,000

Florida Museum of Natural History, 2003, U\$ 500
Banco de la República grant, 2003, U\$3,000
Colombian Petroleum Institute research grant, 2003, U\$125,000
Banco de la República grant, 2001, U\$2,000
Colombian Petroleum Institute research grant, 2001, U\$15,000
Banco de la República grant, 2000, U\$6,000
Petroleum Research Foundation postdoctoral grant, 1999, U\$60,000.
Smithsonian Postdoctoral Fellowship, 1999, U\$27,000.
Gerson Dissertation Fellowship, December , 1998, University of Florida. U\$3,150.
AASP Student Scholarship, May, 1998 U\$1,000.
Student Travel Award, May 1998. Graduate School, University of Florida U\$300
National Science Foundation Dissertation Enhancement Award, September 1997
U\$17,000
Graduate Research Fellowship, August 1997-May 1998. Florida Museum of Natural
History U\$7,000
Graduate Student Travel Award, September 1997. Graduate Student Government,
University of Florida U\$120.
Student Travel Award, September 1997. Graduate School, University of Florida U\$300.
Graduate Student Travel Award, September 1996. Graduate Student Government,
University of Florida U\$120.
AAPG grant, May 1996. American Association of Petroleum Geologists U\$2,000
GSA grants-in-aid, May 1996. Geological Society of America U\$2,000
Graduate Research Fellowship, August 1995- May 1996. Florida Museum of Natural
History U\$7,000
Research in-Aid Grant, October 1995. Banco de la República Fundation, Bogota U\$5,000
Doctoral Grant, January 1994-December 1997. COLCIENCIAS, Bogota, Colombia
U\$73,000
Honor tuition waiver, 1986-1987-1988-1989-1990. Universidad Nacional de Colombia
Honor tuition waiver, 1978-1979-1980-1981-1982-1983-1984-1985 Nariño High school,
Bogota

Special Recognitions

100 Colombianos, 2012, Colombian President Office
Bass Distinguished Environmental Scholar 2012-2013, Yale University.
Jesus A. Bueno Award 2012, Colombian Association of Petroleum Geologists.
Miembro Correspondiente, Academia Colombiana de Ciencias Exactas, Físicas y
Naturales, 2011.
Scientific Achievement Award, 25 years of Colombian Petroleum Institute, 2010.
Jesus A. Bueno Award 2009, Colombian Association of Petroleum Geologists.
Received the donation, in behalf of STRI, of the pollen collection of Alan Graham 2009.
More than 25,000 species are represented in his collection, that is mostly focused
in the neotropics.
Courtesy Assistant Scientist of Paleobotany, Florida Museum of Natural History, 2007 to
date.
Honorary Employee, 2005, Instituto Colombiano del Petroleo
Employee of the year, 2004, Instituto Colombiano del Petroleo
Project of the year, Foothills Chronostratigraphy, 2004, Instituto Colombiano del Petroleo

Employee of the year, 2003, Instituto Colombiano del Petroleo
Project of the year, Gibraltar Exploratory Well, 2003, Instituto Colombiano del Petroleo
Austin Award, May 1998. Florida Museum of Natural History.
President's Spring Recognition of Outstanding Students award, April 1998. University of Florida.
Certificate of Academic Excellence, April 1998. College of Liberal Arts and Sciences, University of Florida
Certificate of Award for Academic Achievement by an International Student, April 1998. University of Florida
Certificate of Academic Excellence, April 1997. College of Liberal Arts and Sciences, University of Florida
Certificate of Award for Academic Achievement by an International Student, April 1997. University of Florida
Certificate of Academic Excellence, April 1996. College of Liberal Arts and Sciences, University of Florida
Certificate of Award for Academic Achievement by an International Student, April 1996. University of Florida

Scientific Services

Executive Committee Paleobiology Database (PBD), 2013-2013
Council member of IFPS (International Federation of Palynological Societies) in representation of AASP, 2012-2016
Organizer symposium "The flora of the Paleogene: diversity, distribution and regional to global responses to changing climates". 13th International Palynological Congress and 9th International Organisation of Paleobotany Conference, 2012, Tokyo, Japan
Organizer symposium "Divided Oceans and Connected Continents: Advances in Geology and Paleontology of the Tropical Americas" at GSA Annual Meeting, 2012
Member nomenclature Committee for fossil plants, International Association for Plant Taxonomy, 2011 to date.
Member of the Scientific Committee of the DIVERSITAS bioGENESIS Core Project 2010-2013.
Organizer of the 40th Annual Meeting of the AASP-The Palynological Society. Panama, 2007 (82 participants from 18 countries).
President American Association of Stratigraphic Palynologists, 2005 to 2008.
Chairman of the South and Central American Regional Committee on Paleogene Stratigraphy. International Union of Geological Sciences. 2008 to 2011.
PhD Program Advisory Board, Departamento de Geología, EAFIT, 2003.
Newsletter editor, American Association of Stratigraphic Palynologists, 2002 to 2006.
Director-at-large American Association of Stratigraphic Palynologists, 2001 to 2003.
Founder Colombian Society of Paleontologists, 2001.
Founder of the Student Geological Journal of the Universidad Nacional, Revista Facies-Colombia. 1991.

Smithsonian Services

STRI Scientific Council, first semester 2012
Search Committee for new staff scientist (archeologist) at STRI, 2011
Advisory Committee for the Consortium for Understanding and Sustaining a Biodiverse

Planet, Smithsonian Institution, 2011
Steering Committee 2009 Smithsonian Strategic Plan 2010-2015
Member of the Short Term Fellowship Committee (meets 4 times a year, with an average of 50 grants to review per round), STRI, 2005 to date
Organizer by-weekly seminar series "Paleotalks", CTPA-STRI, 2005-to date
Search Committee for new new staff scientist at STRI, 2008
Rules for the STRI Annual Fellowship committee, 2006

Editorial Boards

Geologica Acta, 2008 to date
Boletin Geologia UIS, 2003 to date
Ameguiniana, 2012 to date

Invited Speaker

X Congreso Nacional de Ciencia y Tecnologia, Panama, 2005, APANAC, Harvard University, Pennsylvania State University, University of Pennsylvania, Smithsonian Institution, University of Florida, Akron University, University of Missouri-Rolla, Instituto de Ciencias Naturales Bogota, Universidad Eafit, UPTC Sogamoso, Instituto Colombiano del Petroleo, Universidad de Antioquia, Universidad Javeriana, GSA Annual Meeting 2003, Seattle, IX Congreso Colombiano de Geologia, Medellin, IOP Bariloche 2004, Instituto Seguro Sociales de Panama 2006, XI Congreso Nacional de Ciencia, Tecnología e Innovación, Panama, 2006, Charla Publica STRI Panama, Charla Public STRI Colon , Balboa academy 2nd grade, APANAC, New Scientist, Panorama-Copa, MacGuill Neo Program, Universidad de los Andes-Bogota, Princeton Program at STRI, Instituto Von Humboldt Año de la Biodiversidad, Yale University, University of Chicago, University of South Florida, WoodsHole, Charla Publica del mes 2011 STRI, TEDx Panamá 2011, Brown University.

Public media

Canal RPC, La Prensa, BBC radio expeditions, Washington Post, NPR, New Scientist, Panorama-Copa, Revista Luk-Chile, NDRfernsehen Germany, El Pais-Espana, El Tiempo-Colombia, AP, BBC London, National Wildlife Magazine, Bayerrischer Runfunk Germany, CBS-Showtime Smithsonian Channel, Muy Interesante, The History Channel, Arte Channel (Germany), El Colombiano, USA Today, The Economist, BBC, EFE, Agencia para la Difusión de la Ciencia y la Tecnología de España (DiCYT), El Tiempo, El Espectador, Semana, RCN, BBC, AP, La W Radio, La Prensa, 536 Clips on Feb 2009 (18 Broadcast, 179 Internet, 339 Print), Washington Post, NPR-Rolla, New York Times, AP, Agencia de Noticias para la Difusión de la Ciencia y la Tecnología (DiCYT), Der Spiegel, El Faro, Revista Banco General, Club Rotarios Panama, Entrenamiento Maestros de Colon, German Public Television Channel ZDF, El Espectador, Miner Alumni Magazine Missouri S&T, The Guardian, La Recherche, "Clash of the Americas" (National Geographic Television Documentary), GEO, New Scientist, El Colombiano, Informador.Com.Mx, Canal 2 Panamá, Revista Ellas-La Prensa, Titanoboa. Monster Snake (Smithsonian Network Documentary), Smithsonian Magazine, Titanoboa Ipad/Ipad game, Titanoboa Travelling exhibit, Caracol Television

Reviewer

Caldasia, Palaeontology, Science, Micropaleontology, Journal of Micropalaeontology, Grana, Journal of Biogeography, The Nuffield Foundation, Palaeogeography, Palaeoclimatology, Palaeoecology, Palynology, Geología Norandina, Boletín de Geología, UIS, Actualidades Biológicas, UA. Puntajes Universidad Nacional de Colombia, Revista Tecnica de la Facultad de Ingenieria de la Universidad de Zulia, SENACYT Research Grants, Panama, FONCyT, Argentina, Geology, International Journal of Coal Geology, Ameguiniana, John Wiley & Sons, Revista Boletin Ciencias de la Tierra, Geobios, PNAS, Journal of Geological Society, Revista Mejcana de Biología, Proceedings B of the Royal Society, NSF, Swiss National Science Foundation, Universidad de los Andes, Flander Research Foundation (Belgium), Paleontologia Electronica, Paleobiology, American Journal of Botany, NERC, Fondo para la Promoción de la Ciencia y Tecnología Banco de la República, Journal of South American Earth Science, the Botanical Review, Revista Mexicana de Ciencias Geológica, Revista Brasileira de Paleontologia, republic of Kazakhstan Science Ministry, Austrian Journal of Earth Sciences, Geologia Colombiana, International Journal of Plant Sciences, Polibotanica

Memberships

Phi Beta Kappa Society
American Association of Petroleum Geologists
Geological Society of America
American Association of Stratigraphic Palynologists

Student Committees

2007-2012 Paula Mejia, PhD, U. Florida: Climatic reconstruction of the Lower Cretaceous paleotropics inferred from floristic composition and clay mineral analysis
2010-2012 Antonia Lopez, PhD, Ciencias de la Tierra, UNAM, Mexico:
Palinoestratigrafia De La Formacion Lutita Packard (Grupo Cabullona; Cretacico Tardio) En La Cuenca De Cabullona Sonora, Mexico.

Thesis completed under my direction:

2003. Sorangela Cardona, Geology, Universidad Nacional Medellin. Palinología del pozo La arena 1, Golfo de Morrosquillo, Valle Inferior del Magdalena: edad y ambiente de acumulación.
2003. Felipe de la Parra, Geology, Universidad Nacional Bogota. Respuesta de una comunidad vegetal a la crisis del Cretácico-Terciario
2003. Edwin Cadena, Geology, UIS. Taxonomía de la especie “Trilongicolpites perbonus” en secuencias continentales de Colombia.
2004. Hernán Antolínez, Geology, UIS. Dinoflagelados del intervalo Paleoceno superior-eoceno inferior de Nigeria: Implicaciones paleoclimaticas.
2004. Paula Mejia, Biology, Universidad de Antioquia. Tenian mas angiospermas las llanuras de inundacion del Maestrichtiano que las llanuras de inundacion del Aptiano?
2004. Fabiany Herrera, Geology, UIS. Paleotemperatura y paleoprecipitacion del Paleoceno superior en zonas tropicales usando plantas fosiles de la Formacion Cerrejon, Mina de Carbon el Cerrejon, Guajira.
2004. Raul Daza, Undergraduate Geology, Universidad Nacional Bogota. Batimetria y vegetación durante el Eoceno medio del ODP (Ocean Drilling Program) 192, sitio 1184, meseta oceánica Ontong Java

2005. Paola Florez and Carlos Santos, Undergraduate Geology, UIS. Paleosalinidad durante el Eoceno tardío en el oriente y suroriente de Colombia.
2005. Carolina Gomez, Undergraduate Biology, Universidad de Antioquia, Palmas en el Paleoceno superior del valle del río Ranchería (Guajira, Colombia).
2005. Manuel Paez, Undergraduate Geology, Universidad Nacional Bogota. Los dinoflagelados como indicadores de cambios climaticos en el intervalo coniaciano-santoniano. Registro de las formaciones lomagorda y lidita inferior, valle superior del magdalena-tolima, coyaima, Colombia.
2006. Carlos Cuartas, Master Geology, EAFIT. Medellin. Modelo bioestratigráfico para el cenozoico de un sector del Caribe Colombiano.
2006. Liliana Medina, Master Geology, EAFIT. Medellin. Los dinoflagelados del Mioceno Medio alto - Mioceno Superior del Caribe Colombiano: Taxonomia, Bioestratigrafia e implicaciones geologicas.
2006. Marcela Montoya, Undergraduate, U. De Antioquia, Medellín. Paleoherbivoría en el Paleoceno Superior de un morfotipo de angiosperma de la Paleoflora del Cerrejón (60 Ma)
- 2006 Mauricio Gutierrez, Undergraduate, U. Pedagogica y Tecnologica de Colombia, Sogamoso. Paleotemperatura y Paleoprecipitacion del Maastrichtiano en zonas tropicales usando plantas megafosiles en la formación Guaduas.
- 2006 Yuri Garcia, Undergraduate, UIS, Biology Department. Han Permanecido constantes las paleosociaciones de vegetacion andina durante el Pleistoceno? Un ejemplo del registro polinico de la Sabana.
- 2007 Millerlandy Romero, Undergraduate, UIS, Biology Department. Analisis Palinologico y diversidad floristica del Plioceno temprano en la cuenca del Atrato, Choco, Colombia.
- 2007 Sandra Lucia Garzon, Undergraduate, UIS, Geology Department. Dinoflagelados del Oligoceno temprano Mioceno Temprano del Noroccidente de Colombia.
- 2007 Paula Mejia, Ms, Botany Department, University of Florida. Floral composition of a lower cretaceous paleotropical ecosystem inferred from quantitative palynology.
- 2007 Carlos Molinares, Master Geology, EAFIT. Medellin. Foraminiferos de la formación tubará, su relación con la evolución del istmo de panamá y el paleo-delta del rio Magdalena
- 2007 Lineth Contreras, Master Geology, EAFIT. Medellin. PETM en el tropico.
- 2008 Silane Ferreira, PhD. INPA. Palinologia Do Neógeno Da Bacia Do Alto Solimões, Amazonia Ocidental, Brasil: Aspectos Sistemáticos, Bioestratigráficos E Paleoecológicos.
- 2009 Fabiany Herrera, Ms, Geology, U. of Florida: Neotropical rainforest origins : paleoflora and paleoclimate
- 2009 Edwin Cadena, Ms, Geology, U. of Florida: New Cretaceous and Cenozoic fossil turtles from Colombia and Panama : systematic paleontology, phylogenetical and paleobiogeographical implications
- 2009 Camila Martinez, Senior thesis, U. Andes: Tracing back the pollen fossil record of *Hedyosmum* (Chloranthaceae), a basal angiosperm
- 2009 Monica Ramirez, Senior thesis, U. Antioquia: Afinidades taxonómicas de una Malvaceae del Paleoceno Medio-Superior (58 - 60 Ma) del norte de Colombia
- 2009 Erika Amaya, Senior thesis, UPTC Sogamoso: Litofacies y ambientes de Acumulacion de la Formacion Guaduas

- 2009 Felipe de la Parra, Ms, Geology, U. of Florida: Palynological changes across the Cretaceous-Tertiary boundary in Colombia, South America.
- 2010 Guillermo Rodríguez, Ms Geology, Missouri S&T: Palynology of the middle to upper Eocene Esmeraldas Formation in the Nuevo Mundo Syncline area, Middle Magdalena Valley Basin, Colombia
- 2011 Camila Martinez, Ms, U. de los Andes, *Piper* fossil from a neotropical forest of the Late Cretaceous of Colombia: inferred ages of origin and patterns of diversification of the genus.
- 2011 Monica Zegarra, PhD, CICESE, Mexico: Evolución de quistes de dinoflagelados en el Caribe y el Pacifico Ecuatorial Oriental a partir de muestras de ODP.
- 2011 Diana Ochoa, Ms Biology, East Tennessee State University: Palynology from the Gray Fossil Site, Tennessee.

Posdoctoral fellows:

- 2005-2006 Flavia Fiorini
 2006-2010 Agustin Cardona
 2006 and 2008 German Bayona
 2007-2008 Fatima Leite
 2007-2008 Mauro de Toledo
 2007-2009 Walton Green
 2007-2008 Surangi Punyasena
 2008-2011 Camilo Montes
 2008-2009 David Farris
 2008-2009 Nikki Strong
 2008-2009 Silane da Silva
 2009-2012 Austin Hendy
 2009-2010 Rory MacFadden
 2009-2010 Natalia Hoyos
 2009-2010 Sergio Restrepo
 2009-2010 Vernie Sagun
 2009-2011 Silane Da Silva
 2010-2011 Scott Whattam
 2010 Jaime Escobar
 2010-2011 Fatima Leite
 2010-2011 Paula Narvaez
 2011 Juan Carlos Silva
 2012 Andres Cardenas
 2012 Amada Waite
 2011-2012 Christine Bacon

Interns

Abraham Osorio, Adhara de la Barrera, Aldo Rincon, Alexander Correa, Andres Gomez, Ariel Arjona, Atria de la Barrera, Camila Martinez, Carlos Cuartas, Carlos Molinares, Carlos Sanchez, Carlos Santos, Carmen Rodriguez, Carolina Gomez, Catalina Pimiento, Cesar Silva, David Siabatto, Diana Ochoa, Edwin Cadena, Edwin Correa, Fabiany Herrera, Felipe de la Parra, Felipe Lamus, Yanina Narvaez, Gabriela Doria, Guillermo Rodriguez, Humberto Carvajal, Jannet Raymer, Javier Luque, Jorge Lezcano, Jose

Arenas, Lineth Contreras, Luis Quiroz, Magaly Cardenas , Manuel Paez, Marcela Montoya, Maria Cecilia Ruiz, Mateo Rapp, Matthew Vavrek, Mauricio Gutierrez, Melisa Cano, Millerlandy Romero, Monica Ramirez , Paula Suecerquia, Sara Moron, Silane da Silva, Tatiana Gaona, Yazmin Romero, Maria Isabel Sandoval, Alex Hasting, Jocelyn Sessa, Olga Celis, Andres Pardo, Vandana Prasat, Sandra Reinales, Oris Rodríguez, Jon Ortiz, Humphrey N. Ajonina, Alexis Rojas, Sandra Suarez, Caroline Lee, Charlie Hruska, Felipe Villegas, Jaime Escobar, Jorge Moreno, Kai Tao, Katherine Haynes, Sandra Garzon, Diego Ramirez, Vladimir Zapata, Federico Moreno, Maria Camila Vallejo, David Garcia, Carlos D'apolito, Paula Liliana Narváez, Francly Carvajal, Andres Baresch, Camila Crifò, Sebastian Zapata, Camilo Bustamante, Carolina Ayala, Omar Montenegro, Carolina Ojeda, Nicolas Moreno, Alejandro Machado, Samuel Jaramillo, Giovanni Nova, Dora Marin, Edward Salazar, Ludwing van Jimenez, Juan Carrillo, Melissa Light, Marie Hoerner, Alejandra Escobar, Heather Graham (CIC – SI Predoctoral Fellow), Ricardo Ramirez, Jessica Fitts, Valentina Ramirez, Luis Kamil Buitrago

Courses and Field-trips Taught:

Historical Geology Laboratory, Undergraduate course, University of Florida
Physical Geology Laboratory. Undergraduate course, University of Florida
Geology 101 laboratory, Undergraduate course, University of Missouri-Rolla
Paleopalynology, Master course, Geology Department, EAFIT
Paleontology II, Undergraduate course, Geology Department, UIS
A Journey through the Eastern Cordillera of Colombia: a tale of Cenozoic inversion of Mesozoic extensional basins. FieldTrip Asociacion Colombiana de Geologos y Geofisicos del Petroleo 2008.
Lectures at Princeton, McGill, and U. Wisconsin courses at STRI
Pollen and Spores Course, Utrecht, 2010
Pollen and Spores Course, Bucaramanga, 2011

References

David L. Dilcher, PhD, NAS
Graduate Research Professor
Paleobotany, Florida Museum of Natural History
Gainesville, FL 32611 USA
dilcher@flmnh.ufl.edu
ph: 352-392-6560

Scott Wing, PhD
Curator Paleobotany
Paleobiology, NHB 121, Smithsonian Institution
Washington DC 20560 USA
wings@si.edu
ph: 202-357-2649

Francisca Oboh, PhD
Professor
Department of Geology and Geophysics
University of Missouri-Rolla, 125 McNutt Hall
Rolla, MO 65409-0410 USA
ikuenobe@umr.edu
ph: 573-341-6946

Neil Opdyke, PhD, NAS
Professor
Department of Geology, University of Florida
Gainesville, FL 32611 USA
drno@nersp.nerdc.ufl.edu
ph: 352-392-6127