

# CURRICULUM VITAE, Web Version

## **COLLINS, Laurel Smith**

Associate Professor

Department of Earth Sciences and Department of Biological Sciences

Florida International University

Miami, Florida 33199

### EDUCATION

Ph.D.            Geology, Yale University  
M. Phil.        Geology, Yale University  
M.S.            Geology, George Washington University  
B.S.            Geology, University of Maryland

### RECENT PROFESSIONAL ACTIVITIES

2008            Vice President, Cushman Foundation for Foraminiferal Research  
2005-present   Director, Board of Directors, Cushman Foundation for Foraminiferal Research  
2004-present   Member, Miami Museum of Science, Collections Task Force, Museum Science  
                    Advisory Council  
1999-present   Member, Latin American and Caribbean Center Associate Faculty, FIU  
1993-present   Research Associate, Smithsonian Tropical Research Institute, Panama  
1990-present   Database Director and Web Site Manager, Panama Paleontology Project  
2003-2006      Executive Editor, *Journal of Foraminiferal Research*  
2005-2006      Mentor, McNair Scholars Program, Florida International University  
2005-2006      Co-chairperson, symposium in honor of Dr. Martin A. Buzas, FORAMS 2006  
                    international meeting, Natal, Brazil  
2002-2006      Panelist, NSF Graduate Research Fellowships Program (4 times)  
2001-2006      Associate Director, Florida International University Undergraduate Mentoring in  
                    Environmental Biology Program  
2001-2006      Mentor, Undergraduate Mentoring in Environmental Biology Program, FIU  
2004            Panelist, NSF Distinguished Scholars Teaching Program  
2001-2003      Member, Paleontological Society Medal Committee  
2001-2003      Scientific Advisor, *Wings of Asia* Aviary, Miami Metrozoo  
1994-2003      Panelist, NSF Advisory Panels, Division of Environmental Biology (4 times)

### RECENT AWARDS

2003            Florida International University Foundation Excellence in Teaching Award

### PROFESSIONAL AFFILIATIONS

Cushman Foundation for Foraminiferal Research, patron  
Miami Geological Society, member  
North American Micropaleontological Society, member  
Paleontological Society, member  
SEPM (Society for Sedimentary Geology), member  
Sigma Xi, associate member

## STUDENTS' DEGREE COMMITTEES

- 2008-present Advisor to Ozlem Gurocak-Orhun, B.S. Geology Honors student, FIU.  
2008-present Advisor to Crystal Pletka, Ph.D. student, Geological Sciences, FIU.  
2008-present Committee Member for Tatiana Gaona-Narvaez, Ph.D. student, Geological Sciences, FIU  
2006-present Advisor to Carly Smith, M.S. student, Geological Sciences, FIU.  
2003-present Advisor to Anna Wachnicka, Ph.D. candidate, Geological Sciences, FIU.  
2003-present Advisor to Jie Cheng, Ph.D. candidate, Geological Sciences, FIU.  
2001-present Advisor to Jacqueline Powell, Ph.D. candidate, Geological Sciences, FIU.  
2003-2007 Committee Member for Peter Horst, Ph.D. 2007, Geological Sciences, FIU.  
2004-2007 Advisor to Lizette Leon Rodriguez, M.S. 2007, Geological Sciences, FIU.  
2001-2006 Advisor to Sreepat Jain, Ph.D. 2006, Geological Sciences, FIU.  
2003-2006 Committee Member for Camilo Ponton, M.S. 2006, Geological Sciences, FIU.  
2003-2005 Committee Member for Adam Wood, M.S. 2005, Biological Sciences, FIU.  
2001-2005 Committee Member for James Watling, Ph.D. 2005, Biological Sciences, FIU.  
1999-2004 Committee Member for Daniel Spector, M.A. 2004, Earth Sciences, FIU.  
1996-1998 Committee Member for Marta Sjoevall, M.S. 1998, Geological Sciences, FIU.  
1995-1996 Advisor to Suzanne Havach, B.S. 1995, honors senior thesis, University of Michigan.

## RECENT TEACHING EXPERIENCE, FIU (Courses cross-listed between departments have titles separated by /)

- 2007-present Instructor, *Principles of Paleobiology/Paleobiology/Advanced Paleontology*, upper level undergraduate course and graduate courses in Department of Earth Sciences and Department of Biological Sciences, 3 credits. Every two years.  
2007-present Instructor, *Planet Earth: Evolving Earth*, required introductory graduate course in Department of Earth Sciences, 1 credit, every three fall semesters.  
2006-present Instructor, *The Earth Through Time*, required upper level undergraduate course in Department of Earth Sciences, 3 credits. Every two spring semesters.  
2001-present Co-instructor, *Workshop: Microfossil Paleoenvironments/ Workshop: Paleoecology of South Florida*, graduate course in Department of Earth Sciences and Department of Biological Sciences, 2 credits. Every two spring semesters.  
2001-present Professor of Record, *The History of Life Laboratory*, undergraduate non-majors laboratory course in Department of Earth Sciences, 1 credit. Every third semester.  
2000-present Instructor, *The History of Life*, undergraduate non-majors course in Department of Earth Sciences, 3 credits. Every third semester.  
1999-present Instructor, *Paleoecology and Paleoenvironments/ Ecosystems of the Past/ Environments of the Past*, upper level undergraduate and graduate courses in Department of Earth Sciences and Department of Biological Sciences, 3 credits. Every two years.  
2005 Instructor, *Topics in Paleobiology: Surveying Natural Populations*, graduate statistics course in Department of Earth Sciences and Department of Biological Sciences, 1 credit. Summer A term.  
2004-2005 Instructor, *Topics in Paleobiology*, graduate course in Department of Earth Sciences, 1 credit. Some terms.  
2002-2004 Course Coordinator and Co-instructor, *UMEB: Environmental Biology and Geology of Central America*, undergraduate course with 3 weeks of field

- instruction in Panama, in Department of Earth Sciences and Department of Biological Sciences, 3 credits. Summer A term.
- 2002-2004 Course Coordinator and Co-instructor, *UMEB: Environmental Biology and Geology of Central America Laboratory*, undergraduate course in Department of Earth Sciences and Department of Biological Sciences, 1 credit. Summer B term.
- 2001-2003 Co-instructor, *Research in Tropical Environments/Research in Tropical Ecosystems*, undergraduate course in Department of Earth Sciences and Department of Biological Sciences, 3 credits. Fall semesters.
- 2000 Instructor, *Historical Geology*, undergraduate course in Department of Earth Sciences, 3 credits. Spring semester.

#### ARTICLES PUBLISHED OR IN PRESS

- 2007 Jain, S., and **Collins, L.S.** Trends in Caribbean paleoproductivity related to the Neogene closure of the Central American Seaway. *Marine Micropaleontology*, v. 63, pp. 57-74.
- 2007 Jain, S., **Collins, L.S.**, and Hayek, L.-A. Relationship of benthic foraminiferal diversity to paleoproductivity in the Neogene Caribbean. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 255, p. 223-245.
- 2007 **Collins, L.S.** Chapter 18. Micropaleontology of Central America, 17 pp. in Bundschuh, J., and Alvarado, G.E. (editors), *Central America – Geology, Hazards and Resources*: Balkema, The Netherlands, 1265 pp.
- 2005 Coates, A.G., McNeill, D.F., Aubry, M.-P., Berggren, W.A., and **Collins, L.S.** An introduction to the geology of the Bocas del Toro Archipelago, Panama. *Caribbean Journal of Science*, v. 41, no. 3, pp. 374-391.
- 2004 Coates, A.G., **L.S. Collins**, M.-P. Aubry, and W.A. Berggren. The geology of the Darien, Panama, and the late Miocene-Pliocene collision of the Panama arc with northwestern South America. *Geological Society of America, Bulletin*, v. 116, no. 11/12, pp. 1327-1344.
- 2003 Coates, A.G., M.-P. Aubry, W.A. Berggren, **L.S. Collins**, and M. Kunk. Early Neogene history of the Central American arc from Bocas del Toro, western Panama. *Geological Society of America, Bulletin*, v. 115, no. 3, pp. 271-287.
- 2002 Buzas, M.B., **L.S. Collins**, and S.J. Culver. Latitudinal difference in biodiversity caused by higher tropical rate of increase. *Proceedings of the National Academy of Sciences*, v. 99, no. 12, pp. 7841-7843.
- 2002 Cunningham, K. J., and **L.S. Collins**. Controls on facies and sequence stratigraphy of an upper Miocene carbonate ramp and platform, Melilla basin, NE Morocco. *Sedimentary Geology*, v. 146, 285-304.
- 1999/ **Collins, L.S.**, and A.G. Coates (Editors). A Paleobiotic Survey of Caribbean Faunas  
2000 from the Neogene of the Isthmus of Panama. *Bulletins of American Paleontology*, no. 357: 351pp. [Dated 1999, published 2000]
- 1999/ **Collins, L.S.** The Miocene to Recent diversity of Caribbean benthic foraminifera from  
2000 the Central American Isthmus. In Collins, L.S., and Coates, A.G. (editors), A Paleobiotic Survey of Caribbean Faunas from the Neogene of the Isthmus of Panama. *Bulletins of American Paleontology*, no. 357: 91-107. [Dated 1999, published 2000]
- 1999/ **Collins, L.S.**, O. Aguilera, P.F. Borne, and S.D. Cairns. A paleoenvironmental analysis of the Neogene of Caribbean Panama and Costa Rica using several phyla. In Collins, L.S., and Coates, A.G. (editors), A Paleobiotic Survey of Caribbean Faunas from the

- Neogene of the Isthmus of Panama. *Bulletins of American Paleontology*, no. 357: 81-87. [Dated 1999, published 2000]
- 1999/ **Collins, L.S.**, and A.G. Coates. Introduction. In Collins, L.S., and Coates, A.G. (editors),  
2000 A Paleobiotic Survey of Caribbean Faunas from the Neogene of the Isthmus of Panama. *Bulletins of American Paleontology*, no. 357: 5-13. [Dated 1999, published 2000]
- 1999 **Collins, L.S.** Micropaleontology. In 1998 Geoscience Highlights. *Geotimes*, v. 44(7): 46-47.
- 1998 **Collins, L.S.** Micropaleontology. In 1997 Geoscience Highlights. *Geotimes*, v. 43 (2): 46-47.
- 1997 Havach, S.M, and **L.S. Collins**. The distribution of Recent benthic foraminifera across habitats of Bocas del Toro, Caribbean Panama. *Journal of Foraminiferal Research*, v. 27 (3): 232-249.
- 1996 **Collins, L.S.**, A.F. Budd, and A.G. Coates. Earliest evolution associated with closure of the Tropical American Seaway. *Proceedings of the National Academy of Sciences*, v. 93: 6069-6072.
- 1996 **Collins, L.S.**, A.G. Coates, W.A. Berggren, M.-P. Aubry, and J. Zhang. The late Miocene Panama isthmian strait. *Geology*, v. 24, no. 8: 687-690.
- 1996 **Collins, L.S.**, and T. M. Collins. Evolution of Life. In E.J. Dasch (ed.), *Encyclopedia of Earth Sciences*. Macmillan Reference USA, New York: 552-555.
- 1996 **Collins, L.S.** Environmental changes in Caribbean shallow waters relative to the closing Tropical American Seaway. In J.B.C. Jackson, A.G. Coates, and A.F. Budd (eds.), *Evolution and Environment in Tropical America*. U. Chicago Pr.: 130-167.
- 1995 **Collins, L.S.**, A.G. Coates, J.B.C. Jackson, and J.A. Obando. Timing and rates of emergence of the Limón and Bocas del Toro basins: Caribbean effects of Cocos Ridge subduction?. In P. Mann (ed.), *Geologic and Tectonic Development of the Caribbean Plate Boundary in southern Central America*. *Geological Society of America, Special Paper*: 263-289.
- 1993 **Collins, L.S.** Neogene paleoenvironments of the Bocas del Toro Basin, Panama. *Journal of Paleontology*, v. 67: 699-710.
- 1993 Jackson, J.B.C., P. Jung, A.G. Coates, and **L.S. Collins**. Diversity and extinction of tropical American molluscs and emergence of the Isthmus of Panama. *Science*, v. 260: 1624-1626.
- 1992 Coates, A.G., J.B.C. Jackson, **L.S. Collins**, T.M. Cronin, H.J. Dowsett, L. Bybell, P. Jung, and J.A. Obando. Closure of the Isthmus of Panama: the near-shore marine record of western Panama and Costa Rica. *Geological Society of America, Bulletin*, v. 104: 814-828.
- 1991 **Collins, L.S.** Regional vs. physiographic effects on morphologic variability within *Bulimina aculeata* and *B. marginata*. *Marine Micropaleontology*, v. 17: 155-170.
- 1990 **Collins, L.S.** The correspondence between water temperature and coiling direction in *Bulimina*. *Paleoceanography*, v. 5 (3): 289-294.
- 1989 **Collins, L.S.** Relationship of environmental gradients to morphologic variation within *Bulimina aculeata* and *B. marginata*, Gulf of Maine area. *Journal of Foraminiferal Research*, v. 19 (3): 222-234.
- 1989 **Collins, L.S.** Evolutionary rates of a rapid radiation: the Paleogene planktic foraminifera. *Palaios*, v. 4: 251-263.
- 1989 Buzas, M.A., **L.S. Collins**, S.L. Richardson, and K. Severin. Experiments on predation,

- substrate preference and colonization of benthic foraminifera at the shelfbreak off the Ft. Pierce Inlet, Florida. *Journal of Foraminiferal Research*, v. 19 (2): 146-152.
- 1989 Johnson, C., **L.S. Collins**, and E.G. Kauffman. Rudistid biofacies across the El Abra carbonate platform (Albian-Cenomanian), Northeastern Mexico. *Proceedings of the 11th Caribbean Geological Conference, July 1986*: 1:1-1:12.
- 1988 **Collins, L.S.** Faunal structure of a mid-Cretaceous rudist reef core. *Lethaia*, v. 21 (3): 271-280.
- 1988 **Collins, L.S.** *Environmental Gradients and Morphologic Variation in Bulimina aculeata and B. marginata*. Ph.D. dissertation, Yale University, New Haven, Connecticut, 235pp.
- 1987 Culver, S.J., M.A. Buzas, and **L.S. Collins**. On the value of taxonomic standardization in evolutionary studies. *Paleobiology*, v. 13: 169-176.
- 1985 **Collins, L.S.** *Rudist Paleocology of the Cretaceous El Abra Limestone Reef Core, Central Mexico*. M.S. thesis, The George Washington University, Washington, D.C., 130pp.

#### PUBLISHED ABSTRACTS

- 2008 Cheng, Jie, and **Collins, L.S.** Using benthic foraminifera to understand seagrass abundance, salinity and sea level variation in Florida Bay. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 40, in press.
- 2008 Smith, Carly J., and **Collins, L.S.** Biogeographic comparisons of Neogene benthic foraminifera of Venezuela, Panama and Ecuador. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 40, in press.
- 2008 Cheng, Jie, and **Collins, L.S.** Using benthic foraminifera to understand seagrass abundance, salinity and sea level variation in Florida Bay. *Abstracts Volume, AAPG 2008 Annual Convention and Exhibition*, v. 17, p. 30. Also posted at [www.searchanddiscovery.net](http://www.searchanddiscovery.net).
- 2008 **Collins, L.S.** Miocene paleobiogeography of Caribbean vs. Eastern Pacific benthic foraminifera during closure of the Central American Seaway. *Abstracts and Program, 18<sup>th</sup> Caribbean Geological Conference, March 24-29, 2008, Santo Domingo, Dominican Republic*, p. 17.
- 2008 Smith, Carly J., and **Collins, L.S.** Paleoenvironmental analysis of the Miocene Urumaco Formation, Falcón state, Venezuela, using benthic foraminifera. *Abstracts and Program, 18<sup>th</sup> Caribbean Geological Conference, March 24-29, 2008, Santo Domingo, Dominican Republic*, p. 68.
- 2006 **Collins, L.S.**, Aubry, M.-P., Berggren, W.A., and Coates, A.G. New regional correlation of tropical Neogene sequences of coastal Ecuador and Central America. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 38, no. 7, p. 387.
- 2006 Hickey-Vargas, R., Draper, G., **Collins, L.S.**, Anderson, W., Clement, B., Gross, M., Macfarlane, A., Price, R., and Whitman, D. GeoScope: A project to engage undergraduates in the geosciences. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 38, no. 7, p. 459.
- 2006 **Collins, L.S.** Divergence of late Miocene Caribbean and tropical Eastern Pacific shallow-water benthic foraminifera. FORAMS 2006 conference, Sept. 10-16, Natal, Brazil, *Anuário do Instituto de Geociências, Federal University of Rio de Janeiro*, v. 29-1, p. 530.
- 2006 Jain, S., and **Collins, L.S.** Relationship of benthic foraminiferal diversity to

- paleoproductivity in the Neogene of the Caribbean deep sea. FORAMS 2006 conference, Sept. 10-16, Natal, Brazil, *Anuário do Instituto de Geociências, Federal University of Rio de Janeiro*, v. 29-1, p. 544.
- 2006 Leon-Rodriguez, Lizette, and **Collins, L.S.** Neotectonic uplift of the Pacific coast of Panama and Costa Rica, based on benthic foraminifera. FORAMS 2006 conference, Sept. 10-16, Natal, Brazil, *Anuário do Instituto de Geociências, Federal University of Rio de Janeiro*, v. 29-1, p. 343.
- 2005 Leon-Rodriguez, L., and **Collins, L.S.** Large paleobathymetric changes indicate rapid Pleistocene tectonic uplift of the Pacific margin of western Panama – eastern Costa Rica. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 37, no. 7, p. 160.
- 2005 Londoño, L.A., and **Collins, L.S.** Shallow marine paleoenvironments and benthic foraminifera at the edge of the early Miocene Central American seaway. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 37, no. 7, p. 461.
- 2005 Jain, S., and **Collins, L.S.** Paleoproductivity in the Caribbean Sea during closure of the Central American Seaway. *Seventeenth Caribbean Geological Conference, San Juan, Puerto Rico, July 2005*, p. 39.
- 2004 Jain, S., and **Collins, L.S.** Comparison of Caribbean Neogene paleoproductivity and paleobiodiversity. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 36, no. 5, p. 400.
- 2004 **Collins, L.S.**, Schultz, S., and Fourqrean, J. Use of seagrass-associated foraminifera as an indicator of past water quality. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 36, no. 5, p. 382.
- 2003 **Collins, L.S.** Micropaleontological evidence for closure of the Central American Seaway. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 35(7), p. 85.
- 2003 Evans, S.L., W.T. Anderson, J. Fourqrean, R. Jaffe, E. Gaiser, **L.S. Collins**, S.P. Escorcia and C. Gordon. Carbon and nitrogen stable isotope composition of OM from Florida Bay: Evidence of historic seagrass distribution and paleoproductivity. *Program and Abstracts, Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystem, Florida Bay, April 13-18*, p. 166.
- 2002 Evans, S.L., W.T. Anderson, J.W. Fourqrean, R. Jaffe, E.E. Gaiser, **L.S. Collins**, and C.W. Holmes. Carbon and nitrogen stable isotope composition of OM from Florida Bay, the initial results of a paleoenvironmental seagrass reconstruction. *EOS, Transactions of the American Geophysical Union*, v. 83(47), Fall Meeting Supplement, Abstract PP71B-0410.
- 2002 Schultz, S.E., **L. S. Collins**, W.A. Berggren, and M.-P. Aubry. Divergence of Late Miocene Caribbean and Eastern Pacific tropical benthic foraminifera: evidence from Ecuador and Caribbean Panama. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 34 (6): 315.
- 2002 Cunningham, K.J., and **L. S. Collins**. Relation between paleoceanographic circulation into the western paleo-Mediterranean Sea and facies of an upper Miocene carbonate ramp and platform, Melilla Basin, NE Morocco. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 34 (6): 16.
- 2002 **Collins, L.S.** Latitudinal difference in NW Atlantic foraminiferal biodiversity caused by higher tropical rate of increase in the Neogene. *16<sup>th</sup> Caribbean Geological Conference, June 16-21, 2002, Barbados, West Indies, Abstracts*: 51.

- 2001 Buzas, M.B., **L.S. Collins**, and S.J. Culver. Neogene Increase of Within Habitat Benthic Foraminiferal Species Diversity: Higher Rate in Tropical Compared to Temperate America. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 33 (6): 162.
- 2000 **Collins, L.S.** The Evolution of Caribbean versus Tropical Eastern Pacific Paleoenvironments of the Isthmus of Panama Coincident with its Miocene Development. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 32: A-196.
- 2000 Coates, A.G., W.A. Berggren, M.-P. Aubry, and **L.S. Collins**. New evidence for the earliest stages of the rise of the Isthmus of Panama. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 32: A-146.
- 1999 **Collins, L.S.** Increasing Diversity in Caribbean Benthic Foraminifera over the Last 10 Million Years. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 31: A-355.
- 1999 Hartman, J.H., **L.S. Collins** and M.-P. Aubry. New Interpretations of the Cannonball Formation (Paleocene): North America's Last Interior Sea. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 31: A-105.
- 1998 **Collins, L.S.**, A.G. Coates, M.-P. Aubry, and W.A. Berggren. The Neogene depositional history of Darien, Panama. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 30 (7): A-26.
- 1998 **Collins, L.S.** Biotic indicators of the closure of the Central American seaway. *EOS Transactions, American Geophysical Union*, v.79 (17), *Spring Meeting Supplement*: S172.
- 1997 Mann, P., L. Gahagan, and **L.S. Collins**. Tectonic development of Late Jurassic-Recent paleoseaways in the Caribbean region. *EOS Transactions, American Geophysical Union*, v. 78, *Spring Meeting Supplement*: F55.
- 1997 **Collins, L.S.**, and K. Kaufmann. Data model for a paleobiotic survey. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 29 (6): A-402.
- 1996 **Collins, L.S.** When did the Isthmus of Panama emerge? Biogeographic, paleobathymetric and evolutionary evidence from benthic foraminifera. *Paleontological Society Special Publication, no. 8, Sixth North American Paleontological Convention, Abstracts of Papers*: 78.
- 1996 Geary, D.H., **L.S. Collins**, J. Teranes, J. Valley, and K. C Lohmann. Environmental changes in the southern Caribbean associated with closure of the Panamanian isthmus: a comparison of stable isotope data from bivalves and foraminifera. *Paleontological Society Special Publication no. 8, Sixth North American Paleontological Convention, Abstracts of Papers*: 138.
- 1995 **Collins, L.S.**, D.H. Geary, and K.C Lohmann. A test of the prediction of decreased Caribbean coastal upwelling caused by emergence of the Isthmus of Panama, using stable isotopes of neritic foraminifera. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 27 (6): A156.
- 1994 **Collins, L.S.**, D.H. Geary, E. Wilson, and K.C Lohmann. Statistical tests of environmental variability in neritic waters of Caribbean Panama, as recorded by stable isotopes of foraminifera. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 26 (7): A228.
- 1994 **Collins, L.S.** Evolution of Neogene Caribbean benthic foraminifera relative to the closure of the Tropical American Seaway. *Forams '94 International Symposium, Univ. Calif. Berkeley. Paleobios* v. 16 (2, Supplement): 28.

- 1993 **Collins, L.S.**, and A.G. Coates. Marine paleobiogeography of Caribbean Panama: last Pacific influences before closure of the Tropical American Seaway. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 25 (6): A428-42
- 1992 **Collins, L.S.**, and A.G. Coates. Timing and rates of emergence of the northwestern Panama Microplate: Caribbean effects of Cocos Ridge subduction? *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 24 (7): A64.
- 1992 **Collins, L.S.** Timing of environmental change in Caribbean shallow waters relative to the closure of the Tropical American Seaway: evidence from benthic foraminifera. *Paleontological Society Special Publication no. 6, Fifth North American Paleontological Convention*: 67.
- 1990 **Collins, L.S.** Pliocene benthic foraminifera of Caribbean Panama: implications for the closure of the isthmus. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 22 (7): A199.
- 1989 **Collins, L.S.** The correlation of water temperature with coiling direction in *Bulimina aculeata* and *B. marginata*. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 21 (6): A46.
- 1987 **Collins, L.S.** Gradients in character variation and environment within benthic foraminiferal species. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 19 (7): 624.
- 1986 **Collins, L.S.**, C. Johnson, and E.G. Kauffman. Rudist biofacies across the El Abra Platform (Albian-Cenomanian), Northeastern Mexico. *11<sup>th</sup> Caribbean Geological Conference*.
- 1985 **Collins, L.S.** Evolutionary rates of an adaptive radiation: the Paleogene planktic foraminifera. *Geological Society of America Annual Meeting, Abstracts with Programs*, v. 17 (7): 550.

#### INVITED PRESENTATIONS

- 1/09 International Biogeography Society, Annual Meeting, Merida, Mexico, invited lecture
- 2/08 Univ. Miami, Rosenstiel School of Marine and Atmosph. Sciences, Geotopics Seminar
- 1/08 FIU Earth Sciences Seminar
- 1/08 Field Museum of Natural History, Chicago, Wednesday Seminar
- 11/07 University of South Florida, College of Marine Science Seminar
- 2/06 Smithsonian Tropical Res. Inst., Bocas del Toro Research Sta., Panama, Public Lecture
- 6/05 Museum of Discovery and Science, Ft. Lauderdale, Fla., Public Lecture
- 3/04 MiamIntelligence, Miami Museum of Science, Public Lecture
- 10/03 Geological Society of America Annual Meeting, Topical Session
- 4/03 College of Marine Science at University of South Florida, College Seminar
- 9/01 Rutgers University, Geological Sciences Colloquia
- 3/99 University of Oklahoma, School of Geology and Geophysics, Departmental Lecture
- 6/98 Basel Naturhistorisches Museum, Switzerland, Workshop on Paleontological Databases
- 5/98 American Geophysical Union Spring Meeting, Special Session
- 4/98 Virginia Polytechnic Institute and State University, Department of Geological Sciences
- 3/98 University of Kansas, Department of Geology, Departmental Colloquium
- 1/98 Appalachian State University, Department of Geology, Departmental Lecture
- 5/97 University of Nevada, Reno, Mackay School of Mines, Departmental Lecture
- 2/97 Rosenstiel School of Marine and Atmospheric Sciences, Departmental Lecture

9/96 Miami Geological Society, Evening Speaker Series  
2/96 Florida International University, Department of Biology, Departmental Lecture  
5/95 University of Chicago, Department of Geology, Geophysical Sciences Colloquium  
3/95 University of Michigan, Department of Geology, Departmental Lectures  
9/93 Michigan State University, Dept. of Geology, Departmental Colloquium  
6/92 Fifth North American Paleontological Convention, Symposium  
4/92 University of Iowa, Department of Geology, Departmental Lecture Series  
11/91 Rutgers University, Institute of Marine and Coastal Sciences, Public Lectur  
3/91 McMaster University (Hamilton, Ontario), Dept. of Geology, Departmental Seminar  
7/89 Smithsonian Tropical Research Institute (Panama), STRI Seminar  
4/89 University of California at Davis, Department of Geology, Departmental Seminars  
3/89 University of Pennsylvania, Department of Geology, Departmental Symposium  
9/88 Smithsonian Institution, Department of Paleobiology, Research Seminar  
4/88 George Washington University, Department of Geology, Departmental Seminar  
3/88 University of South Florida, Department of Geology, Departmental Colloquium  
86,85 Yale University, Department of Biology, Bingham Seminar