**MICHAEL MASAO MIYAMOTO**

Professor

Department of Biology

Box 118525

University of Florida

Gainesville, Florida 32611-8525

E-mail: miyamoto@ufl.edu

Telephone: 352-392-3275

EDUCATION

1982: Ph.D. in Biological Sciences (Ecology and Evolution), University of Southern California

1977: B.A. (with High Honors) in Biological Sciences, California State University, Dominguez Hills

FACULTY APPOINTMENTS

1994- : Professor, Department of Biology, University of Florida

1991-1994: Associate Professor, Department of Zoology, University of Florida

1987-1991: Assistant Professor, Department of Zoology, University of Florida

1982-1984: Lecturer, Department of Biology, University of Miami

1982: Lecturer, Department of Biological Sciences, University of Southern California

PRINCIPAL AREAS OF INTEREST

Molecular evolution and systematics, population genetics, and bioinformatics

RESEARCH POSITIONS

1985-1986: Research Associate, Department of Anatomy and Cell Biology, Wayne State University

1982-1984: Research Associate, Department of Biology, University of Miami

1974-1977: Research Assistant, Department of Biological Sciences, California State University, Dominguez Hills

CURATORIAL POSITIONS

1994- : Affiliate Curator, Florida Museum of Natural History, University of Florida

1991-1994: Affiliate Associate Curator, Florida Museum of Natural History, University of Florida

1987-1991: Affiliate Assistant Curator, Florida Museum of Natural History, University of Florida

1977-1981: Assistant Curator, Division of Herpetology, Department of Biological Sciences, University of Southern California

AWARDS AND HONORS

2014-2015: Undergraduate Scholars Program Award, University of Florida

2008-: Honorary Member, Golden Key International Honor Society

2002: Promotion, Salary Pay Plan for Professors, University of Florida

1999: Robin and Jean Gibson Term Professor, University of Florida

1999: Distinguished Visiting Professor, Institute of Statistical Genetics, Japan

1999: Distinguished Visiting Professor, Department of Biology, Wake Forest University

1998: Teaching Incentive Program (TIP) Award, University of Florida

1993-1994, 2006-2007: Sabbatical Leave, University of Florida

1988: Presidential Young Investigator Award, National Science Foundation

1978: Outstanding Teaching Assistant Award, Department of Biological Sciences, University of Southern California

RESEARCH AND TEACHING GRANTS

2006-2011: National Science Foundation, Research Experiences for Undergraduates, Chemistry and life: A Chemistry/Zoology REU site, $358,146 (with R. Duran [PI], D. Julian, M. Scott, and D. Evans [co-PIs])

2006: University of Florida, RGP Research Opportunity Fund, 2006 Award, Host specific parasites as markers of human evolutionary history, $76,609 (with D. Reed [PI], E. Braun, and C. Mulligan [co-PIs])

2002-2004: Carlsberg Foundation, Denmark, $94,000 (Postdoctoral Fellowship to B. Knudsen, with M.M. Miyamoto, Advisor)

1999-2000: University of Florida, Special Funds Initiative, New teaching laboratory equipment for Animal Physiology (PCB 4723), $89,000 (with H.J. Brockmann)

1996-1997: University of Florida, Research Development Award, Phylogeny and evolution of placental mammals, as determined from complete sequences of their mitochondrial genomes, $20,000

1993-1996: California Department of Fish and Game, Genetics of the Klamath Basin suckers, $15,538 (with D.G. Buth and T. Haglund)

1993-1994: Caribbean Conservation Corporation, Mitochondrial DNA variation in green turtles from the Atlantic region, $5,000

1992-1994: U.S. Fish and Wildlife Service, Mitochondrial DNA analyses of hawksbill turtle (*Eretmochelys imbricata*) populations in the Caribbean region, $42,700 (with B. Bowen, R. Ferl, K. Bjorndal, and A. Bolten)

1992-1994: Puerto Rico Department of Natural Resources, Systematics and conservation genetics of the Monito gecko (*Sphaerodactylus* *micropithecus*), $10,000

1992: Caribbean Conservation Corporation, Mitochondrial DNA variation in green sea turtles from Costa Rica and Florida, $5,000

1991-1992: Puerto Rico Department of Natural Resources, Conservation genetics of the Puerto Rican pigeon, $7,000

1991-1992: Puerto Rico Department of Natural Resources, Conservation genetics of introduced finch populations, $6,500

1990-1993: National Science Foundation, Systematic Biology, Mitochondrial DNA phylogeny of the artiodactyl family Bovidae, BSR-8918606, $134,962

1990: Oxford University Press, Support grant for book, $500

1990: University of Florida, Graduate Research Assistantship Support Program, $7,905

1988-1994: National Science Foundation, Presidential Young Investigator Award, BSR-8857264, $158,000

1988-1990: National Science Foundation, Systematic Biology, Mitochondrial DNA relationships in the eutherian suborder Ruminantia (order Artiodactyla), BSR-8717527, $128,796

1988-1989: University of Florida, Mitochondrial DNA relationships in the eutherian order Artiodactyla, $25,000

1988: University of Florida, Mitochondrial DNA relationships in the eutherian order Artiodactyla, $12,000

1988: R.C. Dorion, private funds, Evolutionary genetics of sandbar sharks (*Carcharhinus plumbeus*), $5,000 (with R. Hueter and G. Burgess)

1987-1988: University of Florida, Research Support Program for New Faculty, $7,070

1986-1989: National Science Foundation, Systematic Biology, Biomolecular systematics of Primates and other Eutheria, $240,000 (with M. Goodman [PI], J.L. Slightom, and J. Czelusniak[co-PIs])

1980: Sigma Xi, Grant-in-Aid of Research

1979: Organization for Tropical Studies, Research Initiation and Support Grant

AWARDS AND REVIEW PANELS (NATIONAL AGENCIES)

1999: National Institutes of Health, Genomic Diversity Program, Bethesda

1993: National Science Foundation, Young Investigator Awards Program, Washington, D. C.

1991: National Science Foundation, Systematic Biology Program, Washington, D. C.

1990: National Science Foundation, Systematic Biology Program, Washington, D. C.

PROFESSIONAL SERVICE (ELECTED OFFICES)

2005- : Advisory Board, CLC bio – Bioinformatics solutions

1998-1999: Past President, Society of Systematic Biologists

1997-1998: President, Society of Systematic Biologists

1996-1997: President-Elect, Society of Systematic Biologists

1993-1996: Editor, Society of Systematic Biologists

PROFESSIONAL SERVICE (EDITORIAL BOARDS AND COMMITTEES)

1998-1999: Nominations Committee (Chair), Society of Systematic Biologists

1996-1998: Initiatives and Long Range Planning Committee (Chair), Society of Systematic Biologists

1996-1998: Steering Committee, Society of Systematic Biologists (Chair, 1996-1997)

1996-1997: Search Committee for Editor (Chair), Society of Systematic Biologists

1996-1997: Publication Committee, Society of Systematic Biologists

1993-1995: Editorial Board, Society for the Study of Mammalian Evolution

1992-1994: Standing Committee for Phylogenetic Analysis, Systematics Agenda 2000 (American Society of Plant Taxonomists, Society of Systematic Biologists, and Willi Hennig Society)

1991: Associate Editor, Society for the Study of Evolution

1990-1992: Editorial Board, Molecular Biology and Evolution

1990-1992: Councilor, Society of Systematic Biologists

1988-1991: Advisory Board, Smithsonian Series in Comparative Evolutionary Biology, Smithsonian Institution

1988: Editorial Board, Society of Systematic Zoologists

1986-1989: Executive Board, American Society of Ichthyologists and Herpetologists

1985-1989: Long Range Planning and Finance Committee, American Society of Ichthyologists and Herpetologists (Chair, 1986-1989)

1984-1986, 1988-1989: Editorial Board, American Society of Ichthyologists and Herpetologists

1983- : Fellow, Willi Hennig Society

Reviewer for Journals: African Journal of Biotechnology, American Naturalist, The Auk, BM Evolutionary Biology, Bulletin of Marine Science, Canadian Journal of Zoology, Cladistics, Copeia, Evolution, Genetics, Journal of Herpetology, Journal of Molecular Evolution, Molecular Biology and Evolution, Molecular Phylogenetics and Evolution, Nature, PLOS ONE, Proceedings of the National Academy of Sciences of the United States of America, Science, Systematic Biology, Systematic Zoology, Zoological Studies

Reviewer for grants: College of Liberal Arts and Sciences (CLAS), University of Florida; Florida Game and Fresh Water Fish Commission; Interdisciplinary Center for Biotechnology Research, University of Florida; National Geographic; National Science Foundation; School of Natural Resources and Environmental Sciences, University of Florida

UNIVERSITY AND COLLEGE SERVICE (UNIVERSITY OF FLORIDA )

2014-2015: College Steering Committee, CLAS

2010-: Biology Major Committee, CLAS and CALS

2010: Review Board, Computational Biology Working Group Seed Grants

2008: Chair, Integration Committee

2007- 2010: Inter-College Biology Major Committee, CLAS and CALS

2006: CLAS Commencement Leader

2005-2008, 2012-2015: Tenure and Promotion Committee, CLAS (Chair, 2014-2015)

2003-2007: University Biology Degree Committee

2003-2008: Graduate Degree Committee, UF Genetics Institute

2002-2003: Biology Degree Committee, CLAS

2001: Bioinformatics Search Committee, Department of Statistics and UF Genetics Institute

2001: UF Bioinformatics Initiative Planning Group

2001: Life Sciences III Building Committee, CLAS (Chair)

2000-: Advisory Board, William R. Maples Center for Forensic Medicine

1999-2002: Associate Director, UF Genetics Institute

1999- : Executive Board, UF Genetics Institute

1999: Genetics Search Committee (two positions), Department of Anthropology

1998-2004: CLAS Subcommittee, Genetics Initiative (Chair)

1998: CLAS Research Awards Committee

1995: Search Committee, Biological Sciences Coordinator, CLAS (co-Chair)

1991-1993: UF Genetics Graduate Committee

1991: Molecular Systematics Search Committee, Department of Botany

1991, 2005, 2010: CLAS Commencement Marshall

1990: Project Proposal Competition Committee, Interdisciplinary Center for Biotechnology Research

1989-1990: University Senate

1988-1991: CLAS Biotechnology Advisory Committee (Chair)

1988-1991: Seminar Committee, Interdisciplinary Center for Biotechnology Research

1988: Scientific Advisory Board, Interdisciplinary Center for Biotechnology Research

DEPARTMENT SERVICE (UNIVERSITY OF FLORIDA)

2014: Strategic Planning Committee

2012: Search Committee (Plant Systematics)

2010-2013: Advisory Council

2010-2013: Recruitment and Review Committee

2009-2010, 2013-2014: Merit Pay Committee (Chair, 2013)

2009: Budget Committee

2003-2010: Space Committee (Chair, 2007-2008)

2003-2008: Development Committee (Chair)

2003-2004: Evolutionary Biology Search Committee (Chair)

2003-2004: Undergraduate Curriculum Coordinator

2003, 2007: Merit Advisory Committee & SPEPC

2001-2002: Strategic Planning Committee (co-Chair)

2000: Evolutionary Genomics Search Committee (Chair)

1998-2008: Curriculum Committee (Chair)

1998-2008: Interdisciplinary Center for Biotechnology Research Advisory Committee (Chair)

1998-2006: Recruitment Committee

1998: Quantitative Genetics Search Committee (Chair)

1997-2008: Associate Chair

1997-2001: Initiatives and Long Range Planning Committee (Chair)

1996-2008: Executive Committee

1994-: Peer Evaluation Committee

1993-1997: Undergraduate Task Force (Chair)

1992, 1995: Undergraduate Committee (Chair, 1995)

1991-1992: Seminar Committee

1990: Population Genetics Search Committee

1989-1990, 1997: Graduate Committee

1988-1993: Graduate Interview Committee

1988-2008: ICBR Advisory Committee

1988: Archie Carr Postdoctoral Fellowship Committee

TEACHING EXPERIENCE

Instructor in: Advanced Research; Biological Sciences I (Cells, Organisms and Genetics); Application of Bioinformatics in Genetics Research I; Ecological Genetics; Evolutionary Genetics; Genetics; Honors Biology in Primate Genetics; Individual Studies in Zoology; Integrated Principles of Biology 1 and 2; Practical Experience in Teaching Zoology; Principles of Systematic Biology; Seminar in Molecular Evolution; Seminar in Molecular Phylogenetics; Special Topics in Zoology; Supervised Research

Guest lecturer in: Avian Biology; Biology of Amphibians, Computers in Molecular Biology; Ecology and Evolution of Parasites, Pathogens, and Disease; Evolution; Ethics in Scientific Research; Integrated Principles; Phylogenomics; Quantitative Ecology; Tropical Conservation

PROFESSIONAL SOCIETIES

Aculeate Wasp Researchers

American Association for the Advancement of Science

American Society of Ichthyologists and Herpetologists

American Society of Naturalists

Genetics Society of America

International Society of Molecular Evolution

Society for the Study of Evolution

Society for the Study of Molecular Biology and Evolution

Society of Systematic Biology

Willi Hennig Society

Also subscriber to Molecular Phylogenetics and Evolution, Nature, and Trends in Ecology and Evolution

# PUBLICATIONS

1. Qiu, F., A. Kitchen, J.G. Burleigh, and M.M. Miyamoto. 2014. Scombroid fishes provide novel insights into the trait/rate associations of molecular evolution. J. Mol. Evol. 78:338-348.
2. Wang, Y., T. Alam, K. Hill-Harfe, A.J. Lopez, C.K. Leung, D. Iribarne, B. Bruggeman, M.M. Miyamoto, B.D. Harfe, and K.P. Choe. 2013. Phylogenetic, expression, and functional analyses of anoctamin homologs in *Caenorhabditis elegans*. Am. J. Physiol. Reg. Integr. Comp. Physiol. 305: R1376-R1389.
3. Qiu, F., A. Kitchen, P. Beerli, and M.M. Miyamoto. 2013. A possible explanation for the population size discrepancy in tuna (genus *Thunnus*) estimated from mitochondrial DNA and microsatellite data. Mol. Phylogenet. Evol.: 66: 463-468.
4. Miyamoto, M.M., J.M. Allen, J.F. Gogarten, and C.A. Chapman. 2013. Microsatellite DNA suggests that group size affects sex-biased dispersal patterns in red colobus monkeys. Amer. J. Primat. 75: 478-490.
5. Allen, J., M.M. Miyamoto, C.-H. Wu, T. Carter, J. Ungvari-Martin, K. Magrini, and C. Chapman. 2012. Primate DNA suggests long-term stability of an African rainforest. Ecol. Evol. 2: 2829-2842.
6. Choe, K.P., C.K. Leung, and M.M. Miyamoto. 2012. Unique structure and regulation of the nematode detoxification gene regulator, SKN-1: implications to understanding and controlling drug resistance. Drug Metab. Rev. 44: 209-223.
7. Tennant, M.R., M. Edwards, and M.M. Miyamoto. 2012. Redesigning a library-based genetics class research project through instructional theory and authentic experience. J. Med. Lib. Assoc. 100: 90-97.
8. Tennant, M.R., M. Edwards, and M.M. Miyamoto. 2012. Use of instructional design theory and a hybrid paper/online assessment strategy for assessment in library-based instruction. J. Med. Lib. Assoc. 100: 319-322.
9. Qiu, F., and M.M. Miyamoto. 2011. Use of nuclear DNA data to estimate genetic diversity and population size in Pacific Bluefin and Yellowfin Tuna (*Thunnus orientalis* and *T. albacares*). Copeia 2011: 264-269.
10. Havird, J., and M.M. Miyamoto. 2010. The importance of taxon sampling in genomic studies: An example from the cyclooxygenases of teleost fishes. Mol. Phylogenet. Evol. 56: 451-455.
11. Knudsen, B., R. Forsberg, and M.M. Miyamoto. 2010. A computer simulator for assessing different challenges and strategies of *de novo* sequence assembly. Genes 1: 263-282.
12. Hyndman, K.A., M.M. Miyamoto, and D.H. Evans. 2009. Phylogeny, taxonomy, and evolution of the endothelin receptor gene family. Mol. Phylogenet. Evol. 52: 677-687.
13. Knudsen, B., and M.M. Miyamoto. 2009. Accurate and fast methods to estimate the population mutation rate from error prone sequences. BMC Bioinformatics 10: 247.
14. Havird, J.C., M.M. Miyamoto, K.P. Choe, and D.H. Evans. 2008. Gene duplications and losses within the cyclooxygenase family of teleosts and other chordates. Mol. Biol. Evol. 25: 2349-2359.
15. Mulligan, C.J., A. Kitchen, and M.M. Miyamoto. 2008. Updated three-stage model for the peopling of the Americas. PLoS ONE 3: e3199.
16. Tennant, M.R., and M.M. Miyamoto. 2008. The role of the medical librarian in the basic biological sciences: A case study in virology and evolution. J. Med. Libr. Assoc. 96: 290-298.
17. Kitchen, A., M.M. Miyamoto, and C.J. Mulligan. 2008. A three-stage colonization model for the peopling of the Americas. PLoS ONE 3: e1596.
18. Kitchen, A., M.M. Miyamoto, and C.J. Mulligan. 2008. Utility of DNA viruses for studying human host history: Case study of JC virus. Mol. Phylogenet. Evol. 46: 673-682.
19. Ascunce, M.S., A. Kitchen, P.R. Schmidt, M.M. Miyamoto, and C.J. Mulligan. 2007. An unusual pattern of ancient mitochondrial DNA haplogroups in northern African cattle. Zool. Stud. 46: 123-125.
20. Baer, C.F., M.M. Miyamoto, and D.R. Denver. 2007. Mutation rate variation in multicellular eukaryotes: Causes and consequences. Nat. Rev. Genet. 8: 619-631.
21. Baer, C.F., M.M. Miyamoto, and D.R. Denver. 2007. Reply to: Mutation rate variation in eukaryotes: Evolutionary implications of site-specific mechanisms. Nat. Rev. Genet. 8: nrg2158-c2.
22. Knudsen, B., and M.M. Miyamoto. 2007. Incorporating experimental design and error into coalescent/mutation models of population history. Genetics 176: 2335-2342.
23. Liu, F.-G.R., P.E. Moler, and M.M. Miyamoto. 2006. Phylogeography of the salamander genus *Pseudobranchus* in the southeastern United States. Mol. Phylogenet. Evol. 39: 149-159.
24. Mulligan, C.J., A. Kitchen, and M.M. Miyamoto. 2006. Comment on “Population size does not influence mitochondrial genetic diversity in animals.” Science 314: 1390a.
25. Wayne, M.L., and M.M. Miyamoto. 2006. Genetic variation. Pages 14-31 *in* Evolutionary genetics: Concepts and case studies (C.W. Fox, and J.B. Wolf, eds.). Oxford Univ. Press, New York.
26. Zhang, G.J., M.M. Miyamoto, and M.J. Cohn. 2006. Lamprey type II collagen and *Sox9* genes reveal an ancient origin of the vertebrate collagenous skeleton. Proc. Natl. Acad. Sci. USA 103: 3180-3185.
27. Gaucher, E.A., and M.M. Miyamoto. 2005. A call for likelihood phylogenetics even when the process of sequence evolution is heterogeneous. Mol. Phylogenet. Evol. 37: 928-931.
28. Knudsen, B., and M.M. Miyamoto. 2005. Using equilibrium frequencies in models of sequence evolution. BMC Evol. Biol. 5: 21.
29. Liu, F.-G.R., P.E. Moler, H.P. Whidden, and M.M. Miyamoto. 2004. Allozyme variation in the salamander genus *Pseudobranchus*: Phylogeographic and taxonomic significance. Copeia 2004: 136-144.
30. Freire, N.P., M.R. Tennant, and M.M. Miyamoto. 2003. Microarray analyses of reptiles and amphibians: Applications in ecology and evolution. Zool. Stud. 42: 391-404.
31. Gaucher, E.A., M.M. Miyamoto, and S.A. Benner. 2003. Evolutionary, structural, and biochemical evidence for a new interaction site of the Leptin obesity protein. Genetics 163: 1549-1553.
32. Knudsen, B., and M.M. Miyamoto. 2003. Sequence alignments and pair Hidden Markov Models using evolutionary history. J. Mol. Biol. 333: 453-460.
33. Knudsen, B., M.M. Miyamoto, P.J. Laipis, and D.N. Silverman. 2003. Using evolutionary rates to investigate protein functional divergence and conservation: A case study of the carbonic anhydrases. Genetics 164: 1261-1269.
34. Gaucher, E.A., U. Das, M.M. Miyamoto, and S.A. Benner. 2002. The crystal structure of eEF1A refines the functional predictions of an evolutionary analysis of rate changes among elongation factors. Mol. Biol. Evol. 19: 569-573.
35. Gaucher, E.A., X. Gu, M.M. Miyamoto, and S.A. Benner. 2002. Detecting functional divergence in protein evolution by site-specific rate shifts. Trends Biochem. Sci. 27: 315-321.
36. Tennant, M.R., and M.M. Miyamoto. 2002. The role of the medical library in undergraduate education: A case study in genetics. J. Med. Lib. Assoc. 90: 181-193.
37. Knudsen, B., and M.M. Miyamoto. 2001. A likelihood ratio test for evolutionary rate shifts and functional divergence among proteins. Proc. Natl. Acad. Sci. USA 98: 14512-14517.
38. Gaucher, E.A., M.M. Miyamoto, and S.A. Benner. 2001. Function-structure analysis of proteins using covarion-based evolutionary approaches: Elongation factors. Proc. Natl. Acad. Sci. USA 98: 548-552.
39. Liu, F.-G.R., M.M. Miyamoto, N.P. Freire, P.Q. Ong, M.R. Tennant, T.S. Young, and K.F. Gugel. 2001. Molecular and morphological supertrees for eutherian (placental) mammals. Science 291: 1786-1789.
40. Miyamoto, M.M., and N.P. Freire. 2000. Evolution of CpG islands within the *myc* gene family. Mol. Phylogenet. Evol. 16: 475-481.
41. Miyamoto, M.M., C.A. Porter, and M. Goodman. 2000. c-*myc* gene sequences and the phylogeny of bats and other eutherian mammals. Syst. Biol. 49: 501-514.
42. Liu, F.-G.R., and M.M. Miyamoto. 1999. A phylogenetic assessment of molecular and morphological data for eutherian mammals. Syst. Biol. 48: 54-64.
43. Lieb, C.S., D.G. Buth, and M.M. Miyamoto. 1999. Superoxide dismutase expression in the lizard genus *Anolis*: Systematic significance of a silenced gene. Biochem. Syst. Ecol. 27: 201-211.
44. Miyamoto, M.M. 1999. Molecular systematics: Perfect SINEs of evolutionary history? Curr. Biol. 9: R816-R819.
45. O’Brien, S.J., J.F. Eisenberg, M.M. Miyamoto, S.B. Hedges, S. Kumar, D.E. Wilson, M. Menotti Raymond, W.J. Murphy, W.G. Nash, L.A. Lyons, J.C. Menninger, R. Stanyon, J. Wienberg, N.G. Copeland, N.A. Jenkins, J. Gellin, M. Yerle, L. Andersson, J. Womack, T. Broad, J. Postlethwait, O. Serov, E. Bailey, M.R. James, T.K. Watanabe, M.J. Wakefield, and J.M. Graves. 1999. Genome maps 10. Comparative genomics. Mammalian radiations. Wall chart. Science 286: 463-478.
46. Finkelstein, M., W.M. Fitch, C.A. Lanciani, and M.M. Miyamoto. 1998. Estimating the probabilities of runs of identical events within biological sequences. Mol. Biol. Evol. 15: 470-472.
47. Lahanas, P.N., K.A. Bjorndal, A.B. Bolten, S.E. Encalada, M.M. Miyamoto, R.A. Valverde, and B.W. Bowen. 1998. Genetic composition of a green turtle (*Chelonia mydas*) feeding ground population: Evidence for multiple origins. Mar. Biol. 131: 345-352.
48. Miyamoto, M.M., and T.S. Young. 1998. Primate evolution - in and out of Africa. Curr. Biol. 8: R745-R746.
49. Papangelou, A., M. Ham, and M.M. Miyamoto. 1998. Variation of multilocus minisatellite DNA fingerprints in avian populations. Zool. Stud. 37: 161-168.
50. Young, D.L., M.W. Allard, J.A. Moreno, M.M. Miyamoto, C.R. Ruiz, and R.A. Prez-Rivera. 1997. DNA fingerprint variation and reproductive fitness in the Plain Pigeon. Cons. Biol. 12: 225-227.
51. Miyamoto, M.M. 1996. A congruence study of molecular and morphological data for eutherian mammals. Mol. Phylogenet. Evol. 6: 373-390.
52. Miyamoto, M.M., and W.M. Fitch. 1996. Constraints on protein evolution and the age of the eubacteria/eukaryote split. Syst. Biol. 45: 568-575.
53. Allard, M.W., B.E. McNiff, and M.M. Miyamoto. 1996. Support for interordinal eutherian relationships, with an emphasis on Primates and their archontan relatives. Mol. Phylogenet. Evol. 5: 78-88.
54. Bowen, B.W., A.L. Bass, A. Garcia-Rodriguez, C.E. Diez, R. van Dam, A. Bolten, K.A. Bjorndal, M.M. Miyamoto, and R.J. Ferl. 1996. Origin of hawksbill turtles (*Eretmochelys imbricata*) in a Caribbean feeding area as indicated by genetic markers. Ecol. Appl. 6: 566-572.
55. Encalada, S., P.N. Lahanas, K.A. Bjorndal, A.B. Bolten, M.M. Miyamoto, and B.W. Bowen. 1996. Phylogeography and population structure of the Atlantic and Mediterranean green turtle (*Chelonia mydas*): A mitochondrial DNA control region sequence assessment. Mol. Ecol. 5: 473-483.
56. Miyamoto, M.M., and W.M. Fitch. 1995. Testing species phylogenies and phylogenetic methods with congruence. Syst. Biol. 44: 64-76.
57. Miyamoto, M.M., and W.M. Fitch. 1995. Testing the covarion hypothesis of molecular evolution. Mol. Biol. Evol. 12: 503-513.
58. Miyamoto, M.M., M.W. Allard, and J.A. Moreno. 1994. Conservation genetics of the Plain Pigeon (*Columba inornata*) in Puerto Rico. The Auk 111: 910-916.
59. Lahanas, P.N., M.M. Miyamoto, K.A. Bjorndal, and A.B. Bolten. 1994. Molecular evolution and population genetics of Greater Caribbean green turtles (*Chelonia mydas*) as inferred from mitochondrial DNA control region sequences. Genetica 94: 57-67.
60. Miyamoto, M.M., M.W. Allard, R.M. Adkins, L.L. Janecek, and R.L. Honeycutt. 1994. A congruence test of reliability using linked mitochondrial DNA sequences. Syst. Biol. 43: 236-249.
61. Allard, M.W., M.M. Miyamoto, K.A. Bjorndal, A.B. Bolten, and B.W. Bowen. 1994. Support for natal homing in green turtles from mitochondrial DNA sequences. Copeia 1994: 34-41.
62. Hillis, D.M., M.W. Allard, and M.M. Miyamoto. 1993. Analysis of DNA sequence data: Phylogenetic inference. Meth. Enzymol. 224: 456-487.
63. Miyamoto, M.M., F. Kraus, P.J. Laipis, S.M. Tanhauser, and S.D. Webb. 1993. Mitochondrial DNA phylogenies within Artiodactyla. Pages 268-281 *in* Mammal phylogeny. Placentals (F.S. Szalay, M.J. Novacek, and M.C. McKenna, eds.). Springer-Verlag Publ., New York.
64. Allard, M.W., and M.M. Miyamoto. 1992. Testing phylogenetic approaches with empirical data as illustrated with the parsimony method. Mol. Biol. Evol. 9: 775-786.
65. Allard, M.W., M.M. Miyamoto, L. Jarecki, F. Kraus, and M.R. Tennant. 1992. DNA systematics and evolution of the artiodactyl family Bovidae. Proc. Natl. Acad. Sci. USA 89: 3972-3976.
66. Kraus, F., L. Jarecki, M.M. Miyamoto, S.M. Tanhauser, and P.J. Laipis. 1992. Mispairing and compensational changes during the evolution of mitochondrial ribosomal RNA. Mol. Biol. Evol. 9: 770-774.
67. Allard, M.W., M.M. Miyamoto, and R.L. Honeycutt. 1991. Tests for rodent polyphyly. Nature 353: 610-611.
68. Kraus, F., P.K. Ducey, P. Moler, and M.M. Miyamoto. 1991. Two new trihybrid unisexual *Ambystoma* from Ohio and Michigan. Herpetologica 47: 429-439.
69. Kraus, F., and M.M. Miyamoto. 1991. Rapid cladogenesis among the pecoran ruminants: Evidence from mitochondrial DNA sequences. Syst. Zool. 40: 117-130.
70. Miyamoto, M.M., and J. Cracraft (eds.). 1991. Phylogenetic analysis of DNA sequences. Oxford Univ. Press, New York.
71. Miyamoto, M.M., and J. Cracraft. 1991. Phylogenetic inference, DNA sequence analysis, and the future of molecular systematics. Pages 3-17 *in* Phylogenetic analysis of DNA sequences (M.M. Miyamoto, and J. Cracraft, eds.). Oxford Univ. Press, New York.
72. Kraus, F., and M.M. Miyamoto. 1990. Mitochondrial genotype of a unisexual salamander of hybrid origin is unrelated to either of its nuclear haplotypes. Proc. Natl. Acad. Sci. USA 87: 2235‑2238.
73. Miyamoto, M.M., and M. Goodman. 1990. DNA systematics and evolution of primates. Annu. Rev. Ecol. Syst. 21: 197‑220.
74. Miyamoto, M.M., F. Kraus, and O.A. Ryder. 1990. Phylogeny and evolution of antlered deer determined from mitochondrial DNA sequences. Proc. Natl. Acad. Sci. USA 87: 6127-6131.
75. Miyamoto, M.M., S.M. Tanhauser, and P.J. Laipis. 1989. Systematic relationships in the artiodactyl tribe Bovini (family Bovidae), as determined from mitochondrial DNA sequences. Syst. Zool. 38: 342-349.
76. Miyamoto, M.M., and S.M. Boyle. 1989. The potential importance of mitochondrial DNA sequence data to eutherian mammal phylogeny. Pages 437-450 *in* The hierarchy of life. Molecules and morphology in phylogenetic analysis (B. Fernholm, K. Bremer, and H. Jornvall, eds.). Elseviers Science Publ. B. V., Amsterdam.
77. Miyamoto, M.M., B.F. Koop, J.L. Slightom, M. Goodman, and M.R. Tennant. 1988. Molecular systematics of higher primates: Genealogical relations and classification. Proc. Natl. Acad. Sci. USA 85: 7627-7631.
78. Holmquist, R., M.M. Miyamoto, and M. Goodman. 1988. Higher primate phylogeny—Why can't we decide? Mol. Biol. Evol. 5: 201-216.
79. Holmquist, R., M.M. Miyamoto, and M. Goodman. 1988. Analysis of higher primate phylogeny from transversion differences in nuclear and mitochondrial DNA by Lake's methods of evolutionary parsimony and operator metrics. Mol. Biol. Evol. 5: 217-236.
80. Goodman, M., M.M. Miyamoto, and J. Czelusniak. 1987. Pattern and process in vertebrate phylogeny revealed by coevolution of molecules and morphologies. Pages 141-176 *in* Molecules and morphology in evolution: Conflict or compromise? (C. Patterson, ed.). Cambridge Univ. Press, Cambridge.
81. Miyamoto, M.M., J.L. Slightom, and M. Goodman. 1987. Phylogenetic relations of humans and African apes from DNA sequences in the Ψη-globin region. Science 238: 369-373.
82. Crother, B.I., M.M. Miyamoto, and W.F. Presch. 1986. Phylogeny and biogeography of the lizard family Xantusiidae. Syst. Zool. 35: 35-45.
83. Koop, B.F., M.M. Miyamoto, J.E. Embury, M. Goodman, J. Czelusniak, and J.L. Slightom. 1986. Nucleotide sequence and evolution of the orangutan ε-globin gene region and surrounding Alu repeats. J. Mol. Evol. 24: 94-102.
84. Miyamoto, M.M. 1986. Phylogenetic relationships and systematics of the *Eleutherodactylus fitzingeri* group (Anura, Leptodactylidae). Copeia 1986: 503-511.
85. Miyamoto, M.M., and M. Goodman. 1986. Biomolecular systematics of eutherian mammals: Phylogenetic patterns and classification. Syst. Zool. 35: 230-240.
86. Miyamoto, M.M., M.P. Hayes, and M.R. Tennant. 1986. Biochemical and morphological variation in Floridian populations of the bark anole (*Anolis* *distichus*). Copeia 1986: 76-86.
87. Tagle, D.A., M.M. Miyamoto, M. Goodman, O. Hofmann, G. Braunitzer, R. Goltenboth, and H. Jalanka. 1986. Panda hemoglobins: Phylogenetic relationships of carnivores, as ascertained from protein sequence data. Naturwissenschaften 73: 512-514.
88. Buth, D.G., R.W. Murphy, M.M. Miyamoto, and C.S. Lieb. 1985. Creatine kinases of amphibians and reptiles: Evolutionary and systematic aspects of gene expression. Copeia 1985: 279-284.
89. Miyamoto, M.M. 1985. Consensus cladograms and general classifications. Cladistics 1: 186-189.
90. Hayes, M.P., and M.M. Miyamoto. 1984. Biochemical, behavioral and body size differences between *Rana aurora aurora* and *R. a. draytoni*. Copeia 1984: 1018-1022.
91. Miyamoto, M.M. 1984. Central American frogs allied to *Eleutherodactylus* *cruentus*: Allozyme and morphological data. J. Herpetol. 18: 256-263.
92. Miyamoto, M.M., and M.R. Tennant. 1984. Phylogenetic relationships of the lower Central American rain frog *Eleutherodactylus melanostictus*. Copeia 1984: 765-768.
93. Miyamoto, M.M. 1983. Biochemical variation in the frog *Eleutherodactylus* *bransfordii*: Geographic patterns and cryptic species. Syst. Zool. 32: 43-51.
94. Miyamoto, M.M. 1983. Frogs of the *Eleutherodactylus rugulosus* group: A cladistic study of allozyme, morphological, and karyological data. Syst. Zool. 32: 109-124.
95. Miyamoto, M.M. 1983. Purine-nucleoside phosphorylase expression in *Eleutherodactylus* and *Leptodactylus* frogs. Comp. Biochem. Physiol. 76B: 475-478.
96. Miyamoto, M.M. 1982. Vertical habitat use by *Eleutherodactylus* frogs at two Costa Rican localities. Biotropica 14: 141-144.
97. Miyamoto, M.M. 1981. Congruence among character sets in phylogenetic studies of the frog genus *Leptodactylus*. Syst. Zool. 30: 281-290.
98. Miyamoto, M.M., and J.H. Cane. 1980. Notes on the reproductive behavior of a Costa Rican population of *Hyla ebraccata*. Copeia 1980: 928-930.
99. Miyamoto, M.M., and J.H. Cane. 1980. Behavioral observations of noncalling males in Costa Rican *Hyla ebraccata*. Biotropica 12: 225-227.
100. Cane, J.H., and M.M. Miyamoto. 1979. Nest defense and foraging ethology of a neotropical sand wasp, *Bembix multipicta* (Hymenoptera: Sphecidae). J. Kansas Entomol. Soc. 52: 667-672.

SUBMITTED MANUSCRIPT

1. Qiu, F., and M.M. Miyamoto. 2015. Comparative tests of birds support a link between sex-biased dispersal and body size. Zool. Stud.: in review.

INVITED CONTRIBUTOR TO SYMPOSIA, CONFERENCES, AND WORKSHOPS

2014: Biology Leadership Conference 2014, Amelia Island, FL; Poster: Integration of the library into the classroom: A case study in genetics

2013: Florida Genetics 2013, University of Florida, Gainesville; Paper: Scombroid fishes provide novel insights into the trait/rate associations of molecular evolution

2010: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole (unable to attend)

2010: Keynote Address, Southeastern Ecology, Population Genetics and Evolution 2010, Madison (unable to attend)

2009: Workshop on Molecular Evolution, Cesky Krumlov, Czech Republic

2009: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

2009: Workshop on Molecular Evolution, Special Session on Phylogenetics, Smithsonian Institution, Washington D. C. (unable to attend)

2008: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

2008: Workshop on Molecular Evolution: Special Session on Phylogenetics, Centers for Disease Control and Prevention, Atlanta

2008: Keynote Address, Induction Ceremony, Golden Key International Honor Society, University of Florida (unable to attend)

2007: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

2006: Fitch Legacy Symposium, Genomes, Evolution, and Bioinformatics 2006 Conference, Society for Molecular Biology and Evolution, Arizona State University, Tempe; Paper: Evolutionary developmental genetics to coalescent population genetics: Two studies of vertebrate cartilage and viral/human demography

2006: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

2005: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

2004: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

2004: Symposium on Phylogenetics and Systematics for Information Professionals: Science and Resources, Special Libraries Association, Nashville; Paper: Introduction to phylogenetics and systematics

2004: Workshop on Statistics in Bioinformatics, University of Bergen, Bergen, Norway (unable to attend)

2003: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

2003: Workshop on Genomics and Proteomics, Merck & Co., Inc., West Point

2003: Symposium on Evolution and Ecology in Honor of S. David Webb, University of Florida, Gainesville (unable to attend)

2002: Symposium on Genomics, Proteomics, Structure, and Sequence Resources, Special Libraries Association, Los Angeles; Paper: Introduction to the fields of genomics and proteomics

2002: Symposium on Structural Genomics, Keystone Symposium, Breckenridge; Paper: Detecting functional divergence among proteins using evolutionary and structural genomic analyses

2002: Symposium on Incongruence, Data Partitions, and Phylogenetic Signal, VI International Congress of Systematic and Evolutionary Biology, University of Patras, Patras, Greece (unable to attend)

2002: Workshop on Theory of the Gay Gene and Other Health Topics, Florida Intercollegiate Pride Conference, University of Florida, Gainesville (unable to attend)

2001: Symposium on Molecular Evolution and Comparative Genomics, Bioinformatics 2001, Skovde, Sweden; Paper: Bioinformatics studies of placental mammal phylogeny and protein evolution

2001: Symposium on Organizing Biological Diversity: Systematics from Museums to Molecules, Special Libraries Association, San Antonio; Paper: Impact of molecular data and computers on modern systematics

2001: Workshop on Pharma Informatics: The Integration of Bioinformatics & Cheminformatics, Carlsbad (unable to attend)

2001: Symposium on Primate Origins and Adaptations, Northwestern University, Chicago (unable to attend)

2001: Second Group Meeting and Workshop on Bioconsensus, DIMACS Center, Rutgers University, Piscataway (unable to attend)

2001: Symposium on The Use of Congruence in Molecular Systematics, Willli Hennig Society, Oregon State University, Corvallis (unable to attend)

2000: Group Meeting and Workshop on Bioconsensus, DIMACS Center, Rutgers University, Piscataway (unable to attend)

2000: Symposium on Big Trees and Supertrees, Willi Hennig Society, Naturalis Museum, Leiden, The Netherlands (unable to attend)

2000: Symposium on Ecology and Evolution in the Tropics: Essays in Tribute to Jay M. Savage, American Society of Ichthyologists and Herpetologists, La Paz, Mexico (unable to attend)

2000: “Deep Green” Phylogenetic Workshop, University of Maryland, College Park (unable to attend)

1999: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

1999: Tutorial Program, Department of Biology, Wake Forest University, Winston-Salem

1998: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

1998: Symposium on Origins of the Mammalian Orders, Graduate University for Advanced Study, Hayama, Japan; Paper: Phylogeny of eutherian mammals from molecular and morphological data

1998: Symposium on Estimating Large Scale Phylogenies: Biological, Statistical, and Algorithmic Problems, Princeton University, Princeton (unable to attend)

1997: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

1996: Workshop on Molecular Evolution, Marine Biological Laboratory, Woods Hole

1996: Workshop on Microbial Diversity and Conservation, American Society of Microbiologists, Palm Coast

1995: Symposium on Molecular Anthropology: Toward a New Evolutionary Paradigm, Wayne State University School of Medicine, Detroit; Paper: Congruence in mammalian phylogeny

1994: Symposium and Workshop on Molecular Systematics and Evolution, Academica Sinica, Taipei, Taiwan; Papers: Molecular tools in evolutionary and systematic biology, Molecular population genetics and conservation biology, and PAUP: Phylogenetic Analysis Using Parsimony (computer demonstration)

1993: Symposium on Models in Phylogeny Reconstruction, The Natural History Museum, London, England; Paper: Testing phylogenetic approaches with empirical data as illustrated with the parsimony method (presented by M.W. Allard)

1993: Symposium on Mammalian Molecular Systematics, Sixth International Theriological Congress, University of New South Wales, Sydney, Australia (unable to attend)

1992: Workshop on Comparative Molecular Genetics, C.V. Whitney Marine Laboratory, University of Florida

1992: Symposium on Molecules versus Morphology in Primate Systematics, American Association of Physical Anthropologists, Las Vegas; Paper: Congruence analysis in molecular systematics

1990: Symposium on Molecular Biology and Systematics, Willi Hennig Society, Australian National University, Canberra, Australia; Paper: Mitochondrial DNA relationships of ruminants and other artiodactyls (class Mammalia, infraclass Eutheria)

1990: Symposium on Phylogenetic Analysis of Nucleotide Sequence Data: Methods, Comparisons, and Applications, Fourth International Congress of Systematic and Evolutionary Biology, University of Maryland, College Park; Paper: Mitochondrial DNA phylogenies of artiodactyls and other eutherian mammals (presented by F. Kraus)

1990: Symposium on Rates and Weights, Fourth International Congress of Systematic and Evolutionary Biology, University of Maryland, College Park (unable to attend)

1990: Symposium on Comparative Analysis of Phylogenetic Relationships among Mammals, American Museum of Natural History, New York; Paper: Mitochondrial DNA phylogenies of artiodactyls and other eutherian mammals

1989: Symposium on Recent Advances in Phylogenetic Studies of DNA Sequences, Society of Systematic Zoologists and American Society of Zoologists, Boston (co-organizer, with J. Cracraft)

1989: Workshop on Quantitative and Phylogenetic Analysis, First World Congress of Herpetology, University of Kent, Canterbury, England; Paper: Consensus cladograms: Combining phylogenetic analyses derived from different types of data

1989: Symposium on Molecular Aspects of Mammalian Evolution, Fifth International Theriological Congress, Universita' di Roma, Rome, Italy; Paper: Mitochondrial DNA phylogenies of artiodactyls and other eutherian mammals

1988: Symposium on The Hierarchy of Life, Nobel Committee, Karlskoga, Sweden; Paper: Mitochondrial DNA phylogenies of artiodactyls and other eutherians

1986: Workshop on Phylogenetic Analysis Using Parsimony (PAUP), Smithsonian Institution, Washington, D. C.; Paper: Phylogenetic and numerical analyses of molecular data

1985: Symposium on Molecules versus Morphologies in Phylogeny: Conflict or Compromise? Third International Congress of Systematic and Evolutionary Biology, University of Sussex, Brighton, England; Paper: Pattern and process in vertebrate phylogeny revealed by coevolution of molecules and morphologies

1985: Symposium on Gene Expression in Reptilian Systematics, American Association for the Advancement of Science, Los Angeles; Paper: Differential gene expression of creatine kinases in amphibians and reptiles: Evolutionary and systematic implications

1984: Symposium on Congruence and Information, Willi Hennig Society, Linnean Society, and Systematics Association, British Museum of Natural History, London, England; Paper: Congruence studies in animals

1983: Symposium on Phylogenetic Analysis of Polymorphic Molecular Features, Society of Systematic Zoologists and Willi Hennig Society, University of North Dakota, Grand Forks; Paper: The *Eleutherodactylus rugulosus* group: A cladistic study of allozymic, morphological, and karyological data

CONTRIBUTED PAPERS AND POSTERS

2013: Society for the Study of Evolution, Snowbird, UT

2013: American Society of Ichthyologists and Herpetologists, Albuquerque, NM

2012: Florida Genetics 2012, University of Florida, Gainesville

2011: Florida Genetics 2011, University of Florida, Gainesville

2010: Florida Genetics 2010, University of Florida, Gainesville

2009: 10th International Congress on Medical Librarianship, Brisbane, Australia

2008: American Association of Physical Anthropologists, Columbus, OH

2007: American Association of Physical Anthropologists, Philadelphia, PA (2 presentations)

2007: Gordon Research Conference, Evolutionary & Ecological Functional Genomics, Salve Regina University, Newport, RI

2007: Gordon Research Conference, Cartilage Biology and Pathology, Ventura Beach, CA

2007: Florida Genetics 2007, University of Florida, Gainesville

2006: American Association of Physical Anthropologists, Anchorage, AK

2006: Gordon Research Conference, Molecular Evolution, Ventura, CA

2006: Society for Molecular Biology and Evolution, Arizona State University, Tempe

2006: Society for Developmental Biology, University of Michigan, Ann Arbor

2006: Experimental Biology 2006, San Francisco, CA

2006: Florida Genetics 2006, University of Florida, Gainesville (2 presentations)

2005: 9th World Congress on Health Information Libraries, Salvador, Bahia, Brazil

2005: Ninth International Conference on Endothelin (ET-9), Park City, UT

2002: NASA Astrobiology Conference, Ames Research Center, Moffett Field, CA

2002: Health Science Center Technology Fair, Health Science Center, University of Florida, Gainesville

2001: Society for the Study of Evolution, Society of Systematic Biologists, and American Society of Naturalists, University of Tennessee, Knoxville

2000: Society for Molecular Biology and Evolution, Yale University, New Haven, CT

1997: The Willi Hennig Society, George Washington University, Washington D. C.

1987: American Society of Ichthyologists and Herpetologists, New York State Museum, Albany

1987: American Society of Mammalogists, University of New Mexico, Albuquerque

1984: American Society of Ichthyologists and Herpetologists, Herpetologists' League, and Society for the Study of Amphibians and Reptiles, University of Oklahoma, Norman

1983: American Society of Ichthyologists and Herpetologists, Florida State University, Tallahassee

1982: American Society of Ichthyologists and Herpetologists, Northern Illinois University, DeKalb

1981: American Society of Ichthyologists and Herpetologists, Oregon State University, Corvallis

1981: Isozyme Conference, La Jolla

1980: American Society of Ichthyologists and Herpetologists, Texas Christian University, Fort Worth

DEPARTMENT SEMINARS

2015: College of Ocean & Earth Science, Xiamen University, Xiamen, China (two seminars)

2013: Minority Biomedical Research Support and Minority Access to Research Careers Programs, California State University, Dominguez Hills, Carson

2002: Department of Biology, University of South Florida, Tampa

2001: C. V. Whitney Marine Laboratory, University of Florida, St. Augustine

2000: Genetics Institute, University of Florida, Gainesville

1999: Department of Chemistry, University of Florida, Gainesville

1999: Department of Biology, Wake Forest University, Winston-Salem

1997: Department of Biology, University of Oregon, Eugene

1996: Department of Zoology, University of Florida, Gainesville

1996: Department of Ecology and Evolution, University of Chicago, Chicago

1994: Department of Biology, National Sun Yat-Sen University, Kaohsiung, Taiwan

1994: Department of Ecology and Evolutionary Biology, University of California at Irvine, Irvine

1993: Department of Ecology and Evolutionary Biology, University of California at Irvine, Irvine (two seminars)

1993: Department of Biology, University of California at Los Angeles, Los Angeles (two seminars)

1992: Center for Mammalian Genetics, University of Florida, Gainesville

1990: Department of Biological Science, Florida State University, Tallahassee

1990: Sigma Xi and Department of Zoology, University of Florida, Gainesville

1989: Department of Botany, University of Florida, Gainesville

1988: C.V. Whitney Marine Laboratory, University of Florida, St. Augustine

1988: Department of EPO Biology, University of Colorado, Boulder

1987: Department of BioSciences, Oakland University, Rochester

1986: Department of Molecular Biology and Genetics, Wayne State University School of Medicine, Detroit

1986: Department of Zoology, University of Florida, Gainesville

1985: Systematics Discussion Group, American Museum of Natural History, New York

1985: Systematics Discussion Group, Museum of Zoology, University of Michigan, Ann Arbor

1984: Department of Anatomy, Wayne State University School of Medicine, Detroit

1984: Department of Zoology, Louisiana State University, Baton Rouge

1984: Department of Biological Sciences, University of Denver, Denver

1984: Department of Biology, University of Rhode Island, Kingston

1982: Department of Biology, University of Miami, Coral Gables

1979: Department of Biological Sciences, California State University at Dominguez Hills, Carson

1976: Department of Biological Sciences, California State University at Dominguez Hills, Carson

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