

CURRICULUM VITAE

Donald Bailey Miles
Department of Biological Sciences
Ohio University
Athens, Ohio 45701

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EDUCATION:

Ph.D., (Biology), University of Pennsylvania, 1985
M.Phil., (Biometry), Cambridge University, England, 1979
B.A., (Zoology), University of California, Berkeley, 1978

PROFESSIONAL APPOINTMENTS:

2009 - 2010 Visiting Professor, University of Paul Sabatier, Toulouse
2008 - 2009 Visiting Professor, Museum für Naturkunde, Berlin
2008 Visiting Scientist, CNRS Moulis, France
2006 - 2007 Visiting Professor, James Cook University, Queensland, Australia
2005 - Full Professor
2003 - 2006 Chair, Graduate Program, Biological Sciences
1994-1995 Visiting Associate Professor, Zoology, University of Washington
1991- Associate Professor of Zoology, Ohio University
1990- Director, Conservation Biology Program, Ohio University
1985-1991 Assistant Professor of Zoology, Ohio University
1984-1985 Teaching Fellow, University of Pennsylvania
1984 Instructor (Adjunct), Cabrini College
1979-1981 Teaching Fellow, University of Pennsylvania

OTHER PROFESSIONAL EXPERIENCE:

2010 Editorial Board, **Journal of Herpetology**
2006 Wayne National Forest, Research Advisory Committee
2000-2004 Board of Editors, **The American Naturalist**
1997-2000 Associate Editor, **ECOLOGY/ECOLOGICAL MONOGRAPHS**
1994- Assembly of Delegates, Organization for Tropical Studies
1994-1998 Education Committee, Ecological Society of America
1994-1996 Athens County Comparative Risk Assessment Project: ILGARD/OEPA
Technical Advisory Committee
1993-1995 Consultant, Coalition for International Research and Assistance. Conceptual
Framework for Arid-Land Classification: Legacy Data Capture and Assessment
1993-2004 Associate Editor, **Oecologia**
1991-1999 Educational Testing Service, Item Writer, Biology Subject Test:
1990 Consultant, Savannah River Ecology Lab.

Academic Honors, Fellowships and Awards:

- 1996 William's Lecturer, University of Akron, Department of Biology
- 1990 Participant, Morphometrics in Systematic Biology NSF Sponsored Workshop
- 1984-1985 I.B.M. Threshold Fellowship, University of Pennsylvania
- 1981-1984 PHS Training Grant in Theoretical Biology, University of Pennsylvania, (PHS 5-T32-GM07517-05)
- 1979 - Elected Fellow, Cambridge Philosophical Society

COLLABORATIONS

Lin Schwarzkopf, James Cook University
Brett Goodman, University of Adelaide
Barry Sinervo, University of California, Santa Cruz
Fausto Mendez de la Cruz, UNAM, Mexico
Jonathan Losos, Harvard University
Johannes Mueller, Humboldt-Universität zu Berlin, Museum für Naturkunde, Berlin, Germany
Patrick Fitze, Museum of Natural History, Madrid, Spain.
Jean Clobert, CNRS, Experimental Ecology Research Station, Moulis, France
Alexis Chaine, CNRS, Experimental Ecology Research Station Moulis, France
Martin Whiting, Macquarie University, Sydney, Australia
Howard Snell, University of New Mexico
Lance McBrayer, Georgia Southern University

PROFESSIONAL AFFILIATIONS:

American Association for the Advancement of Science (1983)
American Ornithologists Union (1979)
American Society of Ichthyologists and Herpetologists
American Society of Naturalists (1981)
Society of Integrative and Comparative Biology (1987)
Cambridge Philosophical Society (1978)
Society for Conservation Biology (1990)
Cooper Ornithological Society (1978)
Ecological Society of America (1978)
Herpetologists League (1989)
Society for the Study of Evolution (1982)
Society of Systematic Biologists (1989)

TEACHING

Courses Taught at Ohio University

BIOS 220 Biodiversity and Conservation Biology
BIOS 275 Introduction to Animal Ecology
BIOS 271 Field Ornithology
BIOS 376 Field Ecology
BIOS 405 Comparative Methods in Evolutionary Morphology
BIOS 471 Ornithology*
BIOS 477 Population Ecology*
BIOS 478 Community Ecology*
BIOS 481 Conservation Biology*
BIOS 492 Advanced Evolutionary Biology
BIOS 492 Physiological Ecology
BIOS 577 Graduate Course in Population Ecology
BIOS 578 Graduate Course in Community Ecology
BIOS 581 Graduate Course in Conservation Biology*
BIOS 683 Graduate Colloquium in Animal Behavior
BIOS 683 Modeling in Ecology and Evolutionary Biology using R*
BIOS 683 Modern Comparative Methods*
BIOS 797 Seminar in Conservation Biology*
BIOS 870 Biostatistics II: Multivariate Statistics*

Honors Instruction

BIOS 199H Honors Tutorial in Evolution and Ecology,
BIOS 297H Honors Tutorial in Evolutionary Physiology
BIOS 299H Sophomore Honors Tutorial
BIOS 397H Honors Tutorial in Adaptive Phenotypic Plasticity
BIOS 499H Senior Honors Tutorial

INVITED LECTURES

Invited Lecture: Behavioral Ecology, Department of Zoology, University of Washington,
Seattle, Spring 1995
Methods in Field Ornithology, Department of Tropical and Marine Biology, James Cook
University, Queensland Australia, Spring 2008

UNDERGRADUATE AND GRADUATE SUPERVISION:*Undergraduate Honors Tutorial Senior Theses:*

William Narotski
 Mary Jo-Ellen Erickson
 Anu Gupta
 Paul Tuck

Undergraduate Research:

David Althoff	Hillary Faeta	Tracy Tayfel
Anthony Brown	Greg Haenel	Paul Tuck
Doug Bruggeman	Scott Marriott	Phil Turk
Jay Diffendorfer	Stacy Meltzer	Anne Welty
	David Morris	Christine Young
	Dan Rabosky	Kortney Jaworski
	Kevin Skerl	Paul Tuck
	John Steffen	

Provost's Undergraduate Research Fund

Cynthia Caldwell
 James O'Connor

*Graduate Advisor**Master's Students (year of graduation)*

Janet Easley (1987)	Darren Cohen
Stephanie Petter (1988)	Henry Streby (2005)
Tim McMahon (1991)	Marci Brandenburg (2004)
Abdul Abdi (1991)	Todd McCabe (2005)
Eric Hart (1992),	Rita Steyn (2005)
M.J. Erickson (1992)	Daniel Weber
Victoria German (1993)	Christina Weig (2008)
Victor Fazio (1994)	Richard Carter (2008)
Michael Robson (1994)	Kelly Williams-Sieg (2008)
Scott Blackburn, (1994)	Gabriel Radik (2009)
Matthew Hohmann (1996)	Kari Searl (2010)
Robert Amling (1997)	Nicole Finnicum
Debbie Builder (1997)	
Glenda Kenner (1997)	<i>Doctoral Students:</i>
Robert Scott Placier (2000)	Clay Corbin (2002)
Brian Knapp (2001)	Kelly Williams-Sieg
Andrea Sites (2001)	Matthew Lattanzio
Teresa Dennis (2002)	Vincent Farallo

External Examiner Master's Degree:

Ed Hearne, Memorial University, Canada

External Examiner Ph.D.

Brett Goodman, James Cook University, Townsville, Queensland, Australia, Carryn Manicom, James Cook University, Townsville, Queensland, Australia, Josefa Bleu, Universite Pierre et Marie Curie, Paris, France

Rappateur *Habilitation à Diriger des Recherches*

Sandrine Meylan

Past Master's Committee Member:

Greg Neuman
Phil Zito
Joe Faber
Jeff Johnson
Joni Mitchell
Robert Noecker
Phil Martin
Wade Winterhalter
Shala Hankinson
James Liese
Galo Zapata-Rios
Justin Merry
Jordan Crago
Thomas Radzio
M. Scarlet Tudor
Mark Gaffney
Lisa Bono

Current Master's Committee Member:

Susan Lyons

Past Doctoral Committees

Kem Badger (OU Plant Biology)
Vivian Paez

Claudio Pilustrelli

Lee Fitzgerald (University of New Mexico),
Ron Shaffer (OU, Chemistry)
Dennis Cade
Mark Jordan (University of New Mexico)
Michael Robson (University of Pennsylvania),
Robert Verb (OU Plant Biology).
Lance McBrayer (OU)
Marco Altamirano (University of New Mexico)
Jason Moretz (OU)
Dawn Ford (OU)
Phillip Allman (OU)
Matthew Albrecht (OU Plant Biology)
Brian Horne
Tobin Hieronymus
Eric McElroy (OU)
Erin Rasmussen (OU)
Dawn McCarthy (OU Plant Biology)

Current Doctoral Committees:

Chris Howey
Alexander Anning (Plant Biology)
Jillian Davis
Ryan Felice
Haley O'Brien
Eric Niederhauser (Plant Biology)

Postdoctoral Mentoring

Willem Roosenburg (1994 – 1995)

Lisa Hazard (2003 – 2005), Jointly with Barry Sinervo

Suzie Mills (2004 – 2005), Jointly with Barry Sinervo

PUBLICATIONS

- Miles, D. B.** And R.E. Ricklefs (1984) The correlation between ecology and morphology in deciduous forest passerine birds. *Ecology* 65: 1629-1640.
- Dunham, A. E. and **D. B. Miles** (1985) Patterns of covariation in life history traits of squamate reptiles: the effects of size and phylogeny reconsidered. *Amer. Natur.* 126: 231- 257.
- Miles, D. B.** (1986) An incidence of Brown-headed Cowbird parasitism of Rufous-crowned Sparrows. *Southwest. Natural.* 31:253-254.
- Miles, D. B.** And R. G. Smith (1987) A computerized racetrack for measuring sprint speed in cursorial animals. *Functional Ecology* 1: 281-286.
- Miles, D. B.**, R. E. Ricklefs, and J. Travis (1987). Concordance of eco-morphological relationships in three assemblages of passerine birds. *Amer. Natur.* 129: 347-364.
- Dunham, A. E., **D. B. Miles**, and D. N. Reznick (1988) Life history patterns of squamate reptiles. In: Biology of the Reptilia, Vol 16, Ecology B. (C. Gans and R.B. Huey, eds.) pp. 441-522. New York, Liss.
- Reznick, R. N. And **D. B. Miles** (1989) A review of life history patterns in Poeciliid fishes. In: Evolution and ecology of Poeciliid fishes. (G.K. Meffe and F.F. Snelson eds.) pp. 125-147.
- Miles, D. B.** (1990) A comparison of three multivariate statistical techniques for the analysis of avian foraging data. *Studies in Avian Biology* 13: 295-308.
- Miles, D. B.** (1990) Importance and consequences of temporal variation in avian foraging behavior and resource exploitation. *Studies in Avian Biology.* 13: 210-217.
- Petter, S. *, **D. B. Miles**, and M. M. White (1990) Genetic evidence of a mixed reproductive strategy in an "apparently" monogamous bird. *Condor* 92: 702-708.
- Miles, D. B.** and A. E. Dunham (1992) Comparative analysis of phylogenetic effects in the life history patterns of Iguanid Reptiles. *American Naturalist* 139: 848-869.
- Reznick, D. N., **Miles, D. B.**, and S. Winslow (1992) Life History Variation of *Poecilia picta* (Poecillidae) from the island of Trinidad. *Copeia* 1992: 782-790.
- Miles, D. B.**, and A. E. Dunham (1993) Historical Perspectives in Ecology and Evolutionary Biology: The Use of Phylogenetic Comparative Analyses. *Annual Review of Ecology and Systematics.* 24: 587-619.

- Ricklefs, R. E. and **D. B. Miles** (1994) Ecological and evolutionary inferences from morphology: An Ecological Perspective. *In Ecological Morphology: Integrative Organismal Biology*. P.C. Wainwright and S.M. Reilly, (eds.). pp. 13-41. University of Chicago Press.
- Losos, J. B. and **D. B. Miles** (1994) Adaptation, constraint, and the comparative method: Phylogenetic issues and methods. *Ibid.* pp. 60-98.
- Miles, D. B.** (1994) Covariation between Morphology and Locomotory Performance in Sceloporine Lizards. *In Lizard Ecology: Historical and Experimental Perspectives*, L.J. Vitt and E.R. Pianka (eds.) pp 207-235. Princeton University Press.
- Miles, D. B.** (1994) Population Differentiation in Locomotory Performance and the Potential Response of a Terrestrial Organism to Global Environmental Change. *American Zoologist* 34: 422-436.
- Miles, D. B.** (1994) Introduction to the Symposium: Contribution of Long Term Ecological Research to Current Issues in the Conservation of Biological Diversity. *American Zoologist* 34: 367-370.
- Miles, D. B.**, L. A. Fitzgerald, and H. L. Snell (1995) Morphological correlates of locomotion in hatchling marine iguanas (*Amblyrhynchus cristatus*). *Oecologia* 103: 261-264.
- Miles, D. B.** and A. E. Dunham (1996) Paradox of the Phylogeny: Character displacement of analyses of body size evolution in island *Anolis*. *Evolution* 50: 594-603.
- Warheit, K. I., J. D. Forman, J. B. Losos, and **D. B. Miles** (1999) Morphological Diversification and adaptive radiation: A comparison of two diverse clades. *Evolution* 53: 1226 - 1234
- Vitt, L. J., S. S. Sartorius, T.C.S. Avila-Pires, M. C. Espósito and **D. B. Miles**. (2000) Niche segregation among sympatric Amazonian teiid lizards. *Oecologia* 122: 410 – 420.
- Robson, M. A. * And **D. B. Miles** (2000) The association between social dominance and physiological performance in a lizard. *Functional Ecology* 14: 338 – 344.
- Miles, D. B.**, B. Sinervo, and W. A. Frankino * (2000) Reproductive burden, locomotor performance, and the cost of reproduction in free-ranging lizards. *Evolution* 54: 1386 - 1395.
- Sinervo, B., **D. B. Miles**, W. A. Frankino *, D. DeNardo, and M. Klukowski **. (2000) Testosterone, endurance and Darwinian fitness: Natural and sexual selection on the physiological bases of alternative male behaviors in side-blotched lizards. *Hormones and Behavior* 38: 222-233.
- Miles, D. B.**, H. L. Snell, and H. M. Snell. (2001) Intrapopulation variation in endurance of Galápagos lava lizards (*Microlophus albemarlensis*): evidence for an interaction between natural and sexual selection. *Evolutionary Ecology Research* 3: 795 – 804.
- Miles, D. B.** R. Noecker *, M. M. White, and W. Roosenburg. (2002) Genetic relationships among populations of *Sceloporus undulatus* fail to support subspecific designations.

Herpetologica 58: 277-292.

Losos, J. B. and **D. B. Miles** (2002). Testing the hypothesis that a clade has adaptively radiated: Iguanid lizard clades as a case study. *The American Naturalist*. 160: 147 – 157.

D.B. Miles (2004). The race goes to the swift: Fitness consequences of variation in sprint performance in juvenile lizards. *Evolutionary Ecology Research*. 6: 63 – 75.

V. W. Fazio III*, **D. B. Miles**, and M. M. White. (2004). Allozyme variation and population structure in the endangered Black-capped Vireo, *Vireo atricapillus*. *The Condor* 106: 377 – 385.

Miles, D. B., J. B. Losos, and D. J. Irschick. (2007) Morphology, performance and foraging mode. (2007), *In Lizard Ecology*. (S. M. Reilly, D. B. Miles and L. McBrayer, eds). Cambridge University Press, Cambridge, England. Pp. 49 - 93.

McBrayer, L. D., **D. B. Miles**, and S. M. Reilly (2007) The evolution of the foraging mode paradigm in lizard ecology. *In Lizard Ecology*. (S. M. Reilly, D. B. Miles and L. McBrayer, eds). Cambridge University Press, Cambridge, England. Pp. 508 - 521.

Miles, D. B., B. Sinervo, L. Hazard, E. Svensson, and D. Costa. (2007) Alternative Mating Strategies: Integrating Hormones, Physiology and Behavior. *Functional Ecology*. 21: 653 - 665.

Miles, D. B., B. Sinervo, and R. Calsbeek (2007) Corticosterone, locomotor performance, and metabolism in side-blotched lizards (*Uta stansburiana*). *Hormones and Behavior* 51: 548 - 555

Sinervo, B., B. Heulin, Y. Surget-Groba, J. Clobert, **D. B. Miles**, A. Corl, A. Chaine, and A. Davis. (2007) Models of density-dependent genic selection and a new rock-paper-scissors social system. *American Naturalist*. 170: 663 – 680.

Mills, S. C., L. Hazard, L. Lancaster, T. Mappes, **D. B. Miles**, T. A. Oksanen, and B. Sinervo. (2008) Gonadotropin hormone modulation of testosterone, immune function, performance and behavioral tradeoffs among male morphs of the lizard, *Uta stansburiana*. *American Naturalist* 171: 339 – 357.

Sinervo, B., J. Clobert, **D. B. Miles**, A. McAdam, and L. T. Lancaster (2008) The role of pleiotropy vs. signaller–receiver gene epistasis in life history trade-offs: dissecting the genomic architecture of organismal design in social systems. *Heredity* 101: 197 – 211.

Goodman, B. A., **D. B. Miles**, and L. Schwarzkopf. (2008) Life on the rocks: habitat use drives morphological and performance evolution in a clade of tropical lizards. *Ecology* 89: 3462 – 3471.

Sinervo, B., F. Mendez de la Cruz, **D. B. Miles**, et al. (2010) Erosion of lizard diversity by climate change and altered thermal niches. *Science* 328: 894 – 899.

Farris, K., S. Converse, S. Zack, W. Gaines, **D. B. Miles** et al. (2010) Short-term Effects of Fire and Fire Surrogate Treatments on Avian Nest Survival: A National-Scale, Interdisciplinary

Analysis. *Open Environmental Sciences* 4: 53 – 62.

Streby, H. M.*. and **D. B. Miles**. (2010) Effects of prescribed burns and shelterwood harvests on nesting success of neotropical migratory birds. *Open Environmental Sciences* 4: 31 - 40

Sinervo, B. and **D. B. Miles** (2011) Hormones and the Reproductive Behavior in Reptiles. *Biology of the Reptilia*. Elsevier.

Sinervo, B., **D. B. Miles**, N. Martinez-Mendez, R. Lara-Resendiz, and F. R. Mendez De La Cruz (2011) Response to comment on “Erosion of lizard diversity by climate change an altered thermal niches. *Science* 332: 537 – 538.

Heulin, B., Y. Surget-Groba, B. Sinervo, **D. Miles**, A. Guiller. (2011) Dynamics of haplogroup frequencies and survival rates in a contact zone of two mtDNA lineages of the lizard *Lacerta vivipara*. *Ecography*.

Books

Lizard Ecology: The evolutionary consequences of foraging mode. Edited by S. M. Reilly, L. D. McBrayer, and **D. B. Miles**. Cambridge University Press, Cambridge, England.

Non-Peer Reviewed Publications and Technical Reports

Miles, D. B. (1985) An eco-morphological comparison of avian communities in contrasting habitats. Doctoral Dissertation. University of Pennsylvania, 206 pp.

Miles, D. B. (1992) A long-term study of natural selection in a natural population of the tree lizard. *Proceedings of the Symposium on Research in Saguaro National Monument (C.P. Stone and E.S. Bellantoni, eds.)*, pp 121-129. National Park Service Publication.

Miles, D. B., I. Ungar and D. Bash (1994) Conceptual Framework for Arid-Land Characterization: Distribution of Lizards along the Jornada LTER transect. A report to the Strategic Environmental Research and Development Program Office, US Army Corps of Engineers

Miles, D. B. (2002) Survey for the Federally Endangered Indiana Bat (*Myotis sodalis*) at the Union Furnace Elementary School building site. Submitted to Sands Decker Ltd.

Miles, D. B. (2002). Wildlife. National FFS Study 4th Annual SMIC Meeting. Vinton Furnace Experimental Forest.

Book and Meeting Reviews

1991 "Evolutionary disentanglement" Review of P.H. Harvey and M.D. Pagel "The Comparative Method in Evolutionary Biology". *Science* 254: 134-136.

1992 Meeting Review "Historical and geographical determinants of community diversity."

Bull. Ecol. Soc. Amer. 73: 261-264.

1994 Review of E.L. Charnov, "Life History Invariants: Some explorations of symmetry in evolutionary ecology" *Ecology* 75: 2143-2144.

1996 Review of M. Bulmer "Theoretical Evolutionary Ecology" *Quarterly Review of Biology* 71: 437-438

INVITED SEMINARS:

- 1984 University of California, Berkeley, Museum of Vertebrate Zoology.
1985 Ohio University, Department of Zoology
Wright State University, Department of Biology
1986 Ohio University, Department of Botany
1987 University of Wisconsin, Madison, Department of Zoology
1988 Ohio University, Ecology Graduate Group
1989 Savannah River Ecology Laboratory
University of California, Riverside, Department of Biology
Ohio University, Ecology Graduate Group
1990 Ohio University, Regulatory Physiology Group
1991 Saguaro National Monument, NPS Research Symposium
Cleveland State University, Department of Biology
University of Windsor, Department of Biology
1992 Denison University, Department of Biology
1994 University of Michigan, Museum of Zoology
University of Washington, Department of Zoology
1996 Charles Darwin Research Station, Galápagos
McGill University, Department of Biology
1997 Texas A&M University, Department of Fish and Wildlife Sciences
University of New Mexico, Sevilleta Field Station
The Ohio State University, Department of Zoology
1998 Department of Biology, University of California, Santa Cruz
Saguaro National Park, Tucson, Arizona
1999 Sevilleta LTER Research Symposium
University of New Mexico, Department of Biology
2004 Indiana University Purdue University, Fort Wayne, IN
2006 James Cook University, Townsville, Queensland, Australia
Keynote Speaker, University of Kentucky, Lexington
2007 Saguaro National Park Investigators Symposium
2008 CNRS, Experimental Evolution Station, Moulis, France
Department of Ecology and Evolution, University of Paul Sabatier, Toulouse, France
Museum fuer Naturkunde, Berlin, Germany
2010 Western Washington University, Department of Biology
Saguaro National Park, Climate Change Symposium
Gobabeb Desert Research Training Center, Namibia
2011 Brigham Young University
Plenary Speaker, Australian Society of Herpetology

GRANTS

- 1980** An eco-morphological analysis of six tropical lowland forest bird communities. American Museum of Natural History (Chapman Memorial Fund and Sigma Xi)
- 1981** The relationship between morphology and ecology in a Sonoran desert bird community. Explorers Club.
- 1982** Patterns in morphology and ecology in two Sonoran desert bird communities. Frank M. Chapman Memorial Fund and Sigma Xi.
- 1983** Species turnover along an habitat gradient in two Sonoran Desert avian communities. Frank M. Chapman Memorial Fund.
- 1985** Estimating the performance gradient for species of *Urosaurus*. American Museum of Natural History (Theodore Roosevelt Memorial Fund).
- 1986** Estimating the performance gradient for saxicolous and arboreal species of *Urosaurus*. Ohio University Research Committee (\$4000.00).
- 1986** The winter exploitation system of Eastern Bluebirds. Ohio Department of Natural Resources (\$1780.00).
- 1987** A comparative analysis of the relationship between morphology and locomotion in Iguanid lizards. NSF (three year grant, \$84,000.00).
- 1988** Comparative analysis of the relationship between morphology and locomotion in iguanid lizards. NSF REU supplement (one year award, \$7,900).
- 1989** Comparative analysis of the relationship between morphology and locomotion in Iguanid lizards. NSF REU supplement (one year award, \$5,700).
- 1990** A comparative analysis of the relationship between morphology and locomotion in Sceloporine lizards. NSF LTER supplement. \$23,000.
- 1990** Comparative analysis of the relationship between morphology and locomotion in Iguanid lizards. NSF REU supplement. \$7900.
- 1991** Geographic variation in locomotion and morphology in *Urosaurus ornatus*. National Geographic Society, \$13,501.
- 1992 – 1996** The roles of natural selection and sexual selection in the evolution of sexual dimorphism in body-size. Co-PI with Howard Snell, University of New Mexico. NSF \$191,000. (IBN 92-07895)
- 1993** Estimation of the phylogenetic relationships among North American Sceloporine lizards (Phrynosomatidae). OU Baker Fund, \$8000.00 (Co-PI with Matthew White)
- 1994 - 1995.** Spatial analysis of vertebrate habitat use in the Jornada Experimental Range. Coalition for International Environmental Recovery and Assessment. \$17,500.

- 1995** Organismal response to global environmental change. Ohio University Post-Doctoral Fellowship (\$20,000).
- 1999** *ORNIS*: A cyber field guide/laboratory manual: A web-accessible interactive learning environment for classroom, laboratory and field environments. Ohio University, Technology Initiative Award, \$12,275.00
- 1999** The interaction between natural and sexual selection in the evolution of sexual size dimorphism in Galapagos lava lizards: (Tropiduridae: *Microlophus*). Baker Award Committee, \$9,300.00
- 2000 - 2005** A national study of the consequences of fire and fire surrogate treatments. USDI – USDA Joint Fire Science Program: \$213,000.
- 2001** Effects of Fire and Fire Surrogates on Chiropteran and Flying Squirrel populations. \$24,000. USDI – USDA Joint Fire Science Program
- 2002** Effects of Fire and Fire Surrogates on Chiropteran populations. \$6,000. USDI – USDA Joint Fire Science Program
- 2003** Correlational selection on physiology and alternative male strategies. Co-PI with Barry Sinervo, Lisa Hazard, and Daniel Costa. NSF \$220,000, 2003 – 2006.
- 2004** Voinovich Undergraduate Research Scholarship. Ohio University \$3000.
- 2005** Correlational selection and alternative mating strategies. National Geographic Society. Co-PI with B. Sinervo, A. Corl and S. Kutchca. \$20,000.
- 2008.** Synergistic effects of Atrazine and Chytrid Fungus on Tadpole Development. IUCN SSC Amphibian Specialists Group Seed Grant. \$1650.
- 2009.** Detecting sublethal responses of lizards to human managed landscapes using Stable Isotope Assays and Stress Hormones. Ohio University Research Committee. \$6700.
- 2010.** Effect of Light and Temperature Cycles and Climate Change on Adaptation in Lizards. Co-PI with Sinervo, B., D. Parapijpe, P. Zani, and **D. B. Miles** NSF \$476,000.

Service

Departmental:

Director, Graduate Studies, Biological Sciences (2003 - 2006)

Ad hoc Curriculum Revision Committee (1986, 1998)

Search Committees:

Chair, Search Committee for Behavioral Ecologist (1997)

Member, Chair Search Committee (twice)

Promotion and Tenure Committee (1995 – 1999)

Advisory Committee

Graduate Committee

Chair, Strategic Planning Priorities Committee

Student Advising

College of Arts and Sciences:

Executive Committee, Master of Science in Environmental Studies Program (1988 – 1995)

Director, Conservation Biology Program (1990 – 1999)

Land Lab Advisory Committee

Coordinator Land Lab Advisory Committee (1997 – 2000)

Faculty Development Committee (1994 – 1998)

Chair (1996 – 1998)

Promotion and Tenure Committees (2)

Quantitative Biology Program Committee

University:

Graduate Council (1990 – 1994)

Member, Policy and Regulations Subcommittee (1990 – 1994)

Member, Admissions Subcommittee (1999 – 2000)

Acting Chair, Admissions Subcommittee (1999)

Kennedy Lecture Committee

Faculty Senate (Elected 2 terms) 2000 - 2008

Member, Faculty Compensation and Space Committee

Chair, Space Utilization Subcommittee

Institutional Animal Care and Use Committee (2003 – 2007)

OTHER PROFESSIONAL SERVICE:

Manuscript Reviews:

Ad Hoc Reviewer of manuscripts for the following journals:

The Auk, American Naturalist, Behavior, Biological Journal of the Linnean Society, BioScience, Condor, Copeia, Ecology, Evolutionary Ecology Research, Ecology Letters, Ecological Applications, Ecological Monographs, Evolution, Ethology, Functional Ecology, Herpetologica, Herpetological Monographs, Journal of Herpetology, Journal of Animal Ecology, Journal of Comparative Physiology B, Journal of Evolutionary Biology, Journal of Experimental Biology, Journal of Experimental Zoology, Molecular Ecology, Nature, Oecologia, Physiological and

Biochemical Zoology, Proceedings of the Royal Society of London B, Southwestern Naturalist, Zoological Journal of the Linnean Society, and Systematic Biology.

Fulbright Selection Committee (Germany), October 2008.

Ad Hoc Reviewer for McGraw-Hill Publishing, Wadsworth Publishing, Oxford University Press, Prentice Hall Publishing, Benjamin Cummings, and University of California Press.

Grant Reviews:

Ad Hoc Reviewer for the ANR (French National Science Foundation), National Geographic Society Committee on Research and Exploration

National Science Foundation: Programs in Ecology, Population Biology and Physiological Ecology, Ecological and Evolutionary Physiology, Systematic Biology. Florida Game and Fish Department

SERVICE IN PROFESSIONAL SOCIETIES

Judge, Murray Buell Student Paper, Ecological Society of America, Annual Meeting, 1990, 1997, 1998, 2000, 2001, 2004.

Judge, Student Presentations. Society for Integrative and Comparative Biology. Annual Meeting. 2010

Judge, District 12 Science Fair, Ohio University, 1985 - 2010

Judge, State Science Day, Ohio Wesleyan University, April, 1999, 2004

Organizer, Symposium: "Contributions of Long Term Ecological Research to Current Issues in the Conservation of Biological Diversity" American Society of Zoologists, Division of Ecology, Annual Meeting, Vancouver, 1992

Member, Education Committee, Ecological Society of America (2000 - 2003)