

ANN VALERIE PATERSON, Ph.D.

Current address

400 Teresa Lane
Pocahontas, AR 72455

Phone (evening): (870) 609-1609

Phone (cell): (501) 940-9908

e-mail: distichus@gmail.com

Education

1999	Ph.D.	Biology	University of Miami Coral Gables, FL
1997	M.S.	Biology	University of Miami Coral Gables, FL
1994	B.S. (cum laude)	Biology	Ursinus College Collegeville, PA

Ph.D. Dissertation: Relationships in territorial neighborhoods: factors influencing interactions in a lizard, *Anolis sagrei*. Advisor: Dr. Marion Preest

M.S. Thesis: Effects of resource distributions on movement patterns and space use by the bark anole, *Anolis distichus*. Advisor: Dr. Marion Preest

Undergraduate independent research: Scanning electron microscope analysis of pollen loads carried by worker honey bees (*Apis mellifera*). Advisor: Dr. James Sidie

Major fields of research interest

Animal behavior, herpetology, ecology (particularly interactions between territorial neighbors, individual recognition, communication/signalling, foraging behavior, effects of memory and learning abilities on behavior)

Articles

- Schwartzman, J.M., Roth, M.C., Paterson, A.V., Jacobs, A.X., and Williams, Z.J. (2023). Community-guided, autism-adapted group cognitive behavioral therapy for depression in autistic youth (CBT-DAY): Preliminary feasibility, acceptability, and efficacy. *Autism: The International Journal of Research and Practice* 28(8): 1902-1918.
- Schwartzman, J.M., Williams, Z.J., Paterson, A.V., Jacobs, A.X., and Corbett, B.A. (2023). Community-guided measurement-based care for autistic youth and adults receiving psychotherapy: A conceptual overview and pilot implementation study of MBC-AUT. *Autism: The International Journal of Research and Practice* 27(6), 1658–1675.
- McMann, S. and A.V. Paterson. 2012. Display behavior of resident brown anoles (*Anolis sagrei*) during close encounters with neighbors and non-neighbors. *Herpetological Conservation and Biology* 7(1):27-37.
- Tokarz, R.R., A.V. Paterson, and S. McMann. 2005. An experimental test of the importance of displaying the dewlap in male mating success in free-ranging brown anoles (*Anolis sagrei*). *Journal of Herpetology* 39:174-177.
- Paterson, A.V. and S. McMann. 2004. Differential headbob displays towards neighbors and nonneighbors in a lizard, *Anolis sagrei*. *Journal of Herpetology* 38:288-291.
- McMann, S. and A.V. Paterson. Effects of capture, observer presence, and captivity on display behavior in a lizard. *Journal of Herpetology* 37:538-540.
- McMann, S. and A.V. Paterson. 2003. The relationship between display behavior and location in free-living territorial lizards. *Journal of Herpetology* 37:186-188.
- Tokarz, R.R., A.V. Paterson, and S. McMann. 2003. A laboratory and field test of the functional significance of the male's dewlap in the lizard *Anolis sagrei*. *Copeia* 2003:502-511.

Articles, continued

- Paterson, A.V. 2002. Effects of an individual's removal on space use and behavior in territorial neighborhoods of brown anoles (*Anolis sagrei*). *Herpetologica* 58(3):382- 393.
- Nicholson, K.E., A.V. Paterson, and P.M. Richards. 2000. *Anolis sagrei* (brown anole) cannibalism. *Herpetological Review* 31(3):173-174.
- Paterson, A.V. 1999. Effects of prey availability on perch height of female bark anoles, *Anolis distichus*. *Herpetologica* 55:242-247.
- Paterson, A.V. 1998. A new capture technique for arboreal lizards. *Herpetological Review* 29(3):159.

Invited seminars

- 2015 Relationships between territorial neighbors: factors influencing interactions in a lizard, *Anolis sagrei*. Cornell University, Ithaca, New York.
- 2014 Relationships between territorial neighbors: factors influencing interactions in a lizard, *Anolis sagrei*. Massey University, Auckland, New Zealand.
- 2002 Relationships between territorial neighbors: factors influencing interactions in a lizard, *Anolis sagrei*. Departmental Seminar Series, Southwest Missouri State University, Springfield, MO.
- Territoriality and behavior in lizards. Minnesota Herpetological Society, Minneapolis, MN
- 2001 Relationships between territorial neighbors: factors influencing interactions in a lizard, *Anolis sagrei*. Ecology, Evolution, and Systematics Seminar Series, Virginia Polytechnic Institute and University, Blacksburg, VA.
- 1999 Update on research at the University of Miami. All Florida Herpetological Conference, Gainesville, FL.
- 1998 Relationships between territorial neighbors: factors influencing interactions in a lizard, *Anolis sagrei*. Departmental Seminar Series, University of Southwestern Louisiana, Lafayette, LA.

Presentations

- 2007 Paterson, A.V. and S. McMann. Differential crest erection and headbob use towards different classes of intruders in an Anoline lizard. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Herpetologist's League, Society for the Study of Reptiles and Amphibians, and American Elasmobranch Society. St. Louis, MO.
- 2004 Paterson, A.V. Relationships between territorial neighborhoods: factors influencing interactions in a lizard, *Anolis sagrei*. Arkansas Association of Reptile and Amphibian Enthusiasts, Mount Magazine, AR.
- 2002 Tokarz, R.R., A.V. Paterson, and S. McMann. A test of the functional significance of extending the male's dewlap in the lizard *Anolis sagrei*: results from a laboratory and field study. Missouri Herpetological Association, Steelville, MO.
- 2001 Paterson, A.V. Relationships in territorial neighborhoods: factors influencing interactions in a lizard, *Anolis sagrei*. Animal Behavior Society, Corvallis, OR.
- 1999 Paterson, A.V. Relationships between territorial neighbors: factors influencing interactions in a lizard, *Anolis sagrei*. *Anolis* symposium, Joint Meeting of the American Society of Ichthyologists and Herpetologists, Herpetologist's League, Society for the Study of Reptiles and Amphibians, and American Elasmobranch Society, State College, PA.
- 1999 Paterson, A.V. and K.E. Nicholson. Effects of tail autotomy on dominance. Joint Meeting of the American Society of Ichthyologists and Herpetologists, Herpetologist's League, Society for the Study of Reptiles and Amphibians, and American Elasmobranch Society, State College, PA.
- 1998 Paterson, A.V. Effects of prey availability on perch height of female bark anoles, *Anolis distichus*, Animal Behaviour Society, Carbondale, IL.
- 1994 Paterson, A.V. and J. Sidie. Scanning electron microscope analysis of pollen loads carried by worker honey bees (*Apis mellifera*). Pennsylvania Academy of Sciences, Mt. Airy Lodge, PA.

Presentations by undergraduates under my supervision

- 2019 Hickman, C., M. Jordan, K. McLemore, S. McMann, and A. V. Paterson. Marine Science Program at Williams Baptist University.
- 2001 Reck, J.L. and S. Coco. Factors that affect short range movement in the Arkansas brown tarantula (*Aphonopelma hentzi*). Association for Southeastern Biologists/Beta Beta Beta, New Orleans, LA.
- Pinkston, S. and C. Mugi. Factors affecting growth and deformities in tadpoles: comparing river water to dechlorinated tap water. Association for Southeastern Biologists/Beta Beta Beta, New Orleans, LA.
- Reck, J.L., S. Coco, and A.V. Paterson. Factors that affect short range movement in the Arkansas brown tarantula (*Aphonopelma hentzi*). Arkansas Academy of Science, Conway, AR.
- Pinkston, S., C. Mugi, and A.V. Paterson. Factors affecting growth and deformities in tadpoles: comparing river water to dechlorinated tap water. Arkansas Academy of Science, Conway, AR.

Other professional activities

Professional Societies

American Society of Ichthyologists and Herpetologists
Animal Behavior Society
Beta Beta Beta Biological Honor Society Herpetologist's League
Sigma Xi Scientific Research Society
Society for the Study of Amphibians and Reptiles in New Zealand Society for the Study of Reptiles and Amphibians

Reviewer for:

Bedford St. Martin's Press Behavioral Ecology and Sociobiology
Benjamin Cummings/Pearson Education Publishers Elsevier Publishing
Georgian National Science Foundation Herpetologica
Reviewer for (continued):
Herpetological Conservation and Biology Journal of Herpetology
Journal of Zoology Herpetologica
Herpetological Conservation and Biology Journal of Herpetology
Pearson Education
Pennsylvania Academy of Science Phyllomedusa
Prentice Hall Publishers Oxford University Press
Rustaveli Foundation (formerly the Georgian National Science Foundation)
W.H. Freeman Publishers
Wisewire (formerly Words and Numbers)

Committees and Service

- 2025-present President-elect, Society for the Study of Amphibians and Reptiles
- 2024-present Long Range Planning Committee chair, Society for the Study of Amphibians and Reptiles
- 2024-present Board member, Climate Steps
- 2023-present Finance committee chair, Society for the Study of Amphibians and Reptiles
- 2022-2023 Acting board member, Climate Steps
- 2021-present Co-chair, Diversity, Equity, and Inclusion committee, Herpetological Conservation and Biology
- 2021 Attended the COP26 conference as a participant in the Christian Climate Observers Program
- 2020 Higher Learning Committee Self-Study Steering Committee

Committees and Service, continued

2020	Steering committee member for Higher Learning Commission accreditation visit
2019-2020	Graduate program committee, Williams Baptist University
	Membership committee, Arkansas Association for the Assessment of Collegiate Learning
	Retention committee, Williams Baptist University
	SSAR Finance Committee
	SSAR/HL Merger Committee
	Sigma Xi Finance Committee
2019-2020	First year experience class coordinator, Williams Baptist University
	First year experience class committee, Williams Baptist University
2017-2019	Acting Treasurer, Society for the Study of Amphibians and Reptiles Board Member, Society for the Study of Amphibians and Reptiles
2017-2018	Presidential search committee, Williams Baptist University
2014-present	Judge for Sigma Xi Grants in Aid of Research
2014-2015	Retention Committee, Williams Baptist College
2014-2015	Board of Directors, Herpetologist's League
2015	Reviewer, Animal Behaviour Society Student Grant awards 2013-2016 Treasurer, Society for the Study of Amphibians and Reptiles
2013	Gave professional development presentation for science teachers at the Northeastern Arkansas Educational Cooperative
2012-2013	Vice President for Academic Affairs search committee, Williams Baptist College
2012-2013	Strategic Planning Committee, Williams Baptist College
2012	Gave presentation on science fairs at the Northeastern Arkansas Educational Cooperative
2011-2015	Board of Governors, American Society of Ichthyologists and Herpetologists
2011-2015	Reviewer for the Rustaveli Foundation (formerly the Georgian National Science Foundation)
2011-present	E.E. Williams Research Grant coordinator, Herpetologist's League
2011-2019	Science Fair Judge, NEA Cooperative, Walnut Ridge, AR
2011-2012	Steering Committee to prepare for Higher Learning Commission visit in 2012
2011	Science Fair Judge, St. Paul School, Pocahontas, AR
2010-2024	Long Range Planning Committee member, Society for the Study of Amphibians and Reptiles
2010-2014	Membership Committee Chair, Society for the Study of Amphibians and Reptiles
2010-present	General Herpetology Section Editor, Herpetological Conservation and Biology
2010-present	Governing Board, Herpetological Conservation and Biology
2009-2013	Director, Society for the Study of Amphibians and Reptiles
2007-present	Presubmission reviewer for the Journal of Herpetology
2006-2009	Reviewer for the Georgian National Science Foundation
2006-present	Nell I. Mondy Chair, Department of Natural Sciences, Williams Baptist College
2003-2016	Maintain departmental website
2002-2024	Outcomes Assessment Coordinator, Williams Baptist College
2001-present	Organized lectures and visiting speakers, including those for the Mondy lecture series, at Williams Baptist College
2000-present	Advisor for Beta Beta Beta Biological Honor Society at Williams Baptist College
2006-2010	Associate Editor, Herpetological Conservation and Biology
2007	Participated as a moderator, Joint Meeting of the American Society of Ichthyologists and Herpetologists, Herpetologist's League, Society for the Study of Reptiles and Amphibians, and American Elasmobranch Society, St. Louis, MO
2005-2006	Chair, Department of Natural Sciences, Williams Baptist College

Committees and Service, continued.

2003-2006	Responsible for maintaining the Educator Course Management System (I created and fixed user accounts, provided instruction, uploaded students into courses after registration, etc.)
2004	Science Fair judge for St. Paul School in Pocahontas, AR
2003	Created and set up a departmental website (www.distichus.com)
2001-2002	Student Advocate, Williams Baptist College
2000-2002	Finance Committee, Williams Baptist College Outcomes Assessment Committee, Williams Baptist College Secretary, Faculty Senate, Williams Baptist College, Walnut Ridge, AR Summer Registration Focus Group
2001	Participated as a judge of the Seibert Awards, Joint Meeting of the Herpetologist's League and the Society for the Study of Reptiles and Amphibians, Indianapolis, IN Participated as a moderator, Animal Behavior Society, Corvallis, OR
2001	Gave "Reptiles of Arkansas" presentation at Crowley's Ridge State Park, Crowley's Ridge, AR
2001	Participated as a judge of papers presented at the Arkansas Academy of Science meeting in Conway, AR Participated as a judge of papers presented at the Regional Beta Beta Beta Biological Society meeting in New Orleans, LA Led study skills session for the Counseling Center
2000-2002	Finance Committee, Williams Baptist College Outcomes Assessment Committee, Williams Baptist College Secretary, Faculty Senate, Williams Baptist College, Walnut Ridge, AR Summer Registration Focus Group
2000	Founded Beta Beta Beta Biological Honor Society at Williams Baptist College, Walnut Ridge, AR
2000	Participated in the Walnut Ridge career fair (providing ninth graders with information about career possibilities)
1998	Graduate student representative to the search committee for the neurobiology/behavior faculty position, University of Miami, Coral Gables, FL
1997	Departmental seminar assistant, University of Miami, Coral Gables, FL
1995	Served as a judge at the Miami-Dade County High School Science Poster Competition, Miami, FL

Fellowships

1994-1997	Maytag Fellowship, University of Miami
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Grants and Awards

2020	\$5,000	Engaging Underrepresented Students in STEM, Bosch Foundation
2019		Presidential Award (presented by the Society for the Study of Amphibians and Reptiles)
2019	\$12,150	Engaging Underrepresented Students in STEM, Bosch Foundation
2018	\$12,200	Engaging Underrepresented Students in STEM, Bosch Foundation
2010	\$500	Faculty Scholarship, Williams Baptist College
2009	\$500	Faculty Scholarship, Williams Baptist College
2008	\$500	Faculty Scholarship, Williams Baptist College
2005	\$1,250	
2001		Outstanding Advisor award, Southeast District 2 (presented by Beta Beta Beta Biological Honor Society)
2000	\$1,000	Faculty Scholarship, Williams Baptist College

Grants and Awards, continued

1999		Outstanding Graduate Student award (presented by the Department of Biology of the University of Miami)
1999	\$150	The Max and Peggy Kriloff Graduate Student Travel Scholarship, College of Arts and Sciences, University of Miami
1999	\$250	Departmental Travel Scholarship, Department of Biology, University of Miami
1998	\$150	The Max and Peggy Kriloff Graduate Student Travel Scholarship, College of Arts and Sciences, University of Miami
1998	\$250	Departmental Travel Scholarship, Department of Biology, University of Miami
1998	\$225	Graduate Research Support Award, University of Miami “Interactions between neighbors and non-neighbors in territorial neighborhoods of brown anoles.”
1997	\$489	Sigma Xi Grants-in-Aid of Research “Interactions between neighbors and non-neighbors in territorial neighborhoods of brown anoles.”
1996	\$347	Graduate Fee Allocation Committee Award “Effects of prior experience on foraging behavior in a moth, <i>Manduca sexta</i> .”

Teaching experience

2018-present	Professor of Biology, Williams Baptist University
2006-2018	Professor of Biology, Williams Baptist College
2005-2006	Associate Professor of Biology, Williams Baptist College
1999-2005	Assistant Professor of Biology, Williams Baptist College
1997-1999	Teaching Assistant, University of Miami