

Christopher S. Mallery Jr.
Department of Education
Sul Ross State University
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EDUCATION

- Ph.D., Biological Sciences. University of North Texas, Denton, Texas. August, 2017.
- B.S., General Biology. William Paterson University, Wayne, New Jersey. May, 2008, *Magna Cum Laude*.

TEACHING EXPERIENCE

- **Adjunct Professor**, Sul Ross State University, Alpine, Texas. Spring, 2024.
 - Foundations of Elementary Science II, Lecture and Laboratory (SCED 3409)****
- **Adjunct Professor**, Dickinson State University, Dickinson, North Dakota. Fall, 2023.
 - Evolution, Lecture (BIOL 459)***
 - Introduction to Botany, Lecture (BIOL 254)***
 - Scientific Writings and Readings, Lecture (SCNC 389)***
- **Assistant Professor**, Dickinson State University, Dickinson, North Dakota. Fall, 2022 – Summer, 2023.
 - Concepts of Biology, Lecture and Laboratory (BIOL 111 and 111L)***
 - Evolution, Lecture (BIOL 459)**
 - General Biology I, Lecture (BIOL 150)**
 - General Biology II, Laboratory (BIOL 151L)*
 - Herpetology, Lecture (Special Topics, BIOL 499)**
 - Introduction to Botany, Lecture** and Laboratory* (BIOL 254)
 - Plant Physiology, Lecture** and Laboratory* (BIOL 454)
 - Scientific Writings and Readings, Lecture (SCNC 389)**
- **Adjunct Professor**, Texas A&M University–San Antonio, San Antonio, Texas. Spring, 2022.
 - General Biology II, Lecture (BIOL 1307)**
 - Intro to Life Sciences II, Lecture (BIOL 1309)**
- **Guest Lecturer**, Texas A&M University–San Antonio, San Antonio, Texas. Fall, 2021.
 - Animal Physiology, Lecture and Laboratory (BIOL 3408)*

- **High School Biology Instructor**, Odessa Career and Technical Early College High School, Ector County Independent School District, Odessa College, Odessa, Texas, Fall, 2020 – Spring, 2021.**
- **General Educational Development (GED) – High School Equivalency Science Instructor**, Odessa College, Odessa, Texas, Fall, 2019 – Fall, 2020.*.****
- **Adjunct Professor**, Odessa College, Odessa, Texas, Spring, 2019 – Spring, 2020.
 - Biology for Non-science Majors I, Lecture and Laboratory (BIOL 1408)***
 - Biology for Non-science Majors II, Lecture and Laboratory (BIOL 1409)***
 - Biology for Science Majors I, Lecture and Laboratory (BIOL 1406)***
 - Biology for Science Majors II, Lecture and Laboratory (BIOL 1407)***
- **Guest Lecturer**, University of North Texas, Denton, Texas. 2013 – 2014.
 - Comparative Animal Physiology, Lecture (BIOL 5505)*
 - Principles of Biology II, Lecture (BIOL 1720)*
- **Teaching Assistant**, University of North Texas, Denton, Texas. Spring, 2009 – Spring, 2015.
 - Principles of Biology I, Laboratory (BIOL 1730)*
 - Principles of Biology I, Recitation (BIOL 1710)*
 - Principles of Biology II, Laboratory (BIOL 1740)*
 - Principles of Biology II, Recitation (BIOL 1720)*

Course formats:

*face-to-face

**synchronous online and simultaneously face-to-face

***asynchronous online

****synchronous online

RESEARCH EXPERIENCE

- **Post-doctoral Research Associate (Ecophysiology)**, studying ecophysiology of lizards, at Texas A&M University–San Antonio, San Antonio, Texas. Fall, 2021 – Summer, 2022.
- **Research Associate (Developmental Physiology)**, studying placental hematopoietic stem cells, with Tufts University School of Medicine, Boston, Massachusetts. Spring, 2021 – Spring, 2022.
- **Research Assistant (Ecophysiology)**, ecophysiology research on Guyana Orange-spotted Cockroaches (*Blaptica dubia*) and Orange-headed Cockroaches (*Eublaberus posticus*), at University of North Texas, Denton, Texas. Spring, 2009 – Spring, 2016.

- **Research Intern (Paleontology)**, studying fossil shark and fish assemblages of the Upper Cretaceous from sites in Arkansas and Utah, with William Paterson University, Wayne, New Jersey. Summer – Fall, 2008.
- **Research Assistant (Ecology)**, surveying and sampling bats in habitat remediation sites contaminated with mercury, at Federal Aviation Administration property at Atlantic City International Airport, Egg Harbor, New Jersey, with William Paterson University, Wayne, New Jersey. Summer, 2007.
- **Research Intern (Ecology)**, surveying herpetofauna communities at field sites of varying anthropogenic habitat disturbance on St. Vincent (West Indies), with Avila University, Kansas City, Missouri. Summer, 2006.
- **Research Technician (Molecular Microbiology)**, studying protein function for mutants of the PhoP-PhoQ signal transduction pathway in *Escherichia coli*, at William Paterson University, Wayne, New Jersey. Spring, 2005 – Spring, 2008.

ADVISING EXPERIENCE

- **Undergraduate Advising**, Dickinson State University, Dickinson, North Dakota. Fall, 2022 – Summer, 2023.
- **Upward Bound Math and Science Program Mentor (TRiO)**, University of North Texas, Denton, Texas. Summer, 2013.

REVIEWING & EDITING

- **Peer Reviewer**, The Southwestern Naturalist. 2022.
- **Peer Reviewer**, Phyllomedusa – Journal of Herpetology. 2016 – 2017.
- **Book and Magazine Editor and Reviewer**, Living Art Publishing. 2015.
- **Book Editor and Reviewer**, Ecouniverse Herpetological Publishing and Distribution. 2013.

PRESENTATIONS & ABSTRACTS

- **Mallery, C.S., Jr.** April 22, 2022. Coral Glow, a case study of sex-linkage in the Ball Python. Texas A&M University–San Antonio, San Antonio, Texas. Invited talk.
- **Mallery, C.S., Jr.**, and Dzialowski, E.M. September 5-7, 2014. Metabolic Demand of Ovoviviparous Reproduction in the Guyana Orange Spotted Cockroach *Blaptica dubia*. Integrative Biology Workshop V. Wichita Falls, Texas. Program Booklet. p. 2.

- **Mallery, C.S., Jr.**, and Dzialowski, E.M. January 3-7, 2014. Metabolic Demand of Ovoviviparous Reproduction in the Guyana Orange Spotted Cockroach *Blaptica dubia*. The Society for Integrative and Comparative Biology Final Program 2014 Annual Meeting Abstracts. Austin, Texas. Abstract 70.3. p. 213.
- Mascarenhas, F.E., **Mallery, C.S., Jr.**, and Dzialowski, E.M. January 3-7, 2014. Physiology of the Pekin Duck (*Anas pekin*) Ductus Arteriosus. The Society for Integrative and Comparative Biology Final Program 2014 Annual Meeting Abstracts. Austin, Texas. Abstract P2.140. p. 218.
- **Mallery, C.S., Jr.**, and Dzialowski, E.M. May 31-June 1, 2013. Respiration and Ventilation Responses to Acute Hypoxic Stress in the Guyana Orange Spotted Cockroach (*Blaptica dubia*). 4th EcoPhysiology Workshop. Malinalco, Mexico. Program and Abstracts of Oral and Poster Presentations. p. 42.
- **Mallery, C.S., Jr.**, and Dzialowski, E.M. April 20-24, 2013. Respiration and Ventilation Responses to Acute Hypoxic Stress in the Guyana Orange Spotted Cockroach. Experimental Biology Meeting. The Journal of the Federation of American Societies for Experimental Biology 27 (Meeting Abstract Supplement). Boston, Massachusetts. Abstract 1149.7.
- **Mallery, C.S., Jr.**, and Dzialowski, E.M. February 6, 2010. Genotypic sex determination and experimentally induced sex reversal in the spiny softshell turtle (*Apalone spinifera*). 2nd Annual Animal Ecophysiology Workshop. Valle de Bravo, Mexico. Abstracts. p. 29 – 30.
- Becker, M.A., Wellner, R.W., **Mallery, C.S., Jr.**, and Chamberlain, J.A., Jr. October 18-21, 2009. Chondrichthyans from the Lower Ferron Sandstone Member of the Mancos Shale (Upper Cretaceous: Middle Turonian) of Emery and Carbon Counties, Utah, U.S.A. The Geological Society of America, 2009 Portland GSA Annual Meeting. Portland, Oregon. Geological Society of America: Abstracts with Programs 41. p. 453.
- Becker, M.A., and **Mallery, C.S., Jr.** March 12-13, 2009. Osteichthyans from the Arkadelphia Formation (Upper Cretaceous: Late Maastrichtian) of Hot Spring County, Arkansas. The Geological Society of America, Southeastern Section – 58th Annual Meeting. St. Petersburg, Florida. Geological Society of America: Abstracts with Programs 41. p. 52.
- **Mallery, C., Jr.**, Dorcas, D., and Waldburger, C. August 7-12, 2007. Mutational analysis of ATP-binding determinants of the PhoQ histidine kinase. (Revised to include recent findings) Molecular Genetics of Bacteria and Phages Meeting. University of Wisconsin-Madison, Wisconsin. p. 154.

- **Mallery, C., Jr.**, Dorcas, D., and Waldburger, C. April 21, 2007. Mutational analysis of ATP-binding determinants of the PhoQ histidine kinase. 1st Annual Undergraduate Research Symposium in the Biological Sciences. Department of Biology, College of Science and Health, William Paterson University of New Jersey: Final Program and Abstracts. p. 18.
- **Mallery, C., Jr.** October 26, 2006. Herpetofaunal communities on St. Vincent: a comparison of sites variously altered by human activity. William Paterson University Department of Biology Internship Presentations. William Paterson University, Wayne, New Jersey.
- **Mallery, C., Jr.** September 28, 2006. Summer research: herpetofaunal communities on St. Vincent. (Invited Talk.) William Paterson University Biology/Biotechnology Student Information Day. William Paterson University, Wayne, New Jersey.
- **Mallery, C., Jr.**, Dorcas, D., and Waldburger, C. April 22, 2006. Mutational analysis of ATP-binding determinants of the PhoQ histidine kinase. The 17th Annual Saint Joseph's University Sigma Xi Student Research Symposium and The 60th Annual Eastern Colleges' Science Conference. Saint Joseph's University, Philadelphia, Pennsylvania. p. 116.
- **Mallery, C., Jr.**, Dorcas, D., and Waldburger, C. October 15, 2005. Mutational analysis of ATP-binding determinants of the PhoQ histidine kinase. 8th Annual Undergraduate Research Symposium in the Chemical and Biological Sciences. University of Maryland, Baltimore County, Baltimore, Maryland. p. 82.

PUBLICATIONS

- **Mallery, C.S., Jr.**, Carrillo, M., Mei, A., Correia-Branco, A., Kashpur, O., and Wallingford, M. 2021. Cellular complexity of hemochorial placenta: Stem cell populations, insights from scRNA-seq, and SARS-CoV-2 susceptibility. *Current Stem Cell Reports* 7: 185 – 193.
- **Mallery, C.S., Jr.** 2017. *Sceloporus olivaceus* (Texas Spiny Lizard). Record clutch size, nesting, incubation, and hatchlings. *Herpetological Review* 48: 855 – 856.
- **Mallery, C.S., Jr.**, and Carrillo, M.M. 2016. Coral Glow, a case study of sex-linkage in the Ball Python, *Python regius* (Serpentes: Boidae), with new insights into sex determination in Henophidia. *Phyllomedusa* 15: 29 – 42.
- **Mallery, C., Jr.** 2014. Following the chromosomes of inheritance and sex-linkage: an explanation of coral glow/banana. Pp. 115 – 132 in K. McCurley (ed.), *The Ultimate Ball Python: Morph Maker Guide*. Ecouniverse Herpetological Publishing and Distribution, Rodeo, New Mexico, USA.

- Becker, M.A., **Mallery, C.S., Jr.**, and Chamberlain, J.A., Jr. 2010. Osteichthyans from an Arkadelphia Formation-Midway Group Lag Deposit (Late Maastrichtian-Paleocene), Hot Spring County, Arkansas, U.S.A. *Journal of Vertebrate Paleontology* 30: 1019 – 1036.
- Becker, M.A., Wellner, R.W., **Mallery, C.S., Jr.**, and Chamberlain, J.A., Jr. 2010. Chondrichthyans from the Lower Ferron Sandstone Member of the Mancos Shale (Upper Cretaceous: Middle Turonian) of Emery and Carbon Counties, Utah, USA. *Journal of Paleontology* 84: 248 – 266.
- **Mallery, C.S., Jr.**, Marcum, M.A., Powell, R., Parmerlee, J.S., Jr., and Henderson, R.W. 2007. Herpetofaunal communities of the leeward slopes and coasts of St. Vincent: A comparison of sites variously altered by human activity. *Applied Herpetology* 4: 313 – 325.

GRANTS AND AWARDS

- Texas Ecological Laboratory Research Grant. \$3100. How do Two Species of Spiny Lizards Share the Hill Country? (A Study of Niches). Including field research occurring at private ranch properties in Kerr, Kendall, and Uvalde Counties, and a laboratory component at Texas A&M University–San Antonio, San Antonio, Texas. January, 2022 – December, 2022.
- Graduate Student Support Grant, College of Arts and Sciences, University of North Texas, for expenses attending The Society for Integrative and Comparative Biology, Austin, Texas. February, 2014.
- Graduate Student Travel Grant, Toulouse School of Graduate Studies, University of North Texas, for expenses attending Experimental Biology Meeting, Boston. Massachusetts, April, 2013.

MEMBERSHIPS & COMMITTEES

- Curriculum Council, reviewing and providing appropriate feedback for proposed changes to undergraduate and graduate curricula. Dickinson State University, Dickinson, North Dakota. Fall, 2022 – Summer, 2023.
- Undergraduate Research Committee, reviewing and providing appropriate recommendations for grant funding proposals for undergraduate research projects. Dickinson State University, Dickinson, North Dakota. Fall, 2022 – Summer, 2023.
- Department of Natural Sciences Undergraduate Scholarship Committee, reviewing and providing appropriate recommendations for scholarship applications. Dickinson State University, Dickinson, North Dakota. Fall, 2022 – Summer, 2023.

- Department of Natural Sciences Promotion Committee, reviewing promotion application portfolios. Dickinson State University, Dickinson, North Dakota. Fall, 2022 – Summer, 2023.
- Society for the Study of Amphibians and Reptiles. 2015 – 2018.
- Beta Beta Beta National Biological Honor Society, Chi Rho Chapter, William Paterson University. May, 2008 – Present.
- Biology Faculty Search Committee (Student Representative), William Paterson University. Spring, 2008.

MEETINGS AND EVENTS ORGANIZED

- North Dakota Science Olympiad: Southwest Regional Competition. Dickinson State University, Dickinson, North Dakota. March 9, 2023.
- 21st Annual Dickinson State University 2023 Celebration of Scholars: Achievement in Research, Humanities, and the Arts. Dickinson State University, Dickinson, North Dakota. April 22, 2023.

EDUCATIONAL OUTREACH

- **Mallery, C.S., Jr.** March 19-20, 2016. Reptile Morphs and Linked Genes. North American Reptile Breeders Conference. Tinley, Illinois. (Invited Presentation.)
- **Mallery, C.S., Jr.** February 23-24, 2013. Ball Python Genetics 101. North American Reptile Breeders Conference. Arlington, Texas. (Invited Presentation.)
- **Mallery, C.S., Jr.** January 12-13, 2013. Ball Python Genetics 101. Repticon Reptile and Exotic Animal Convention. Shreveport, Louisiana. (Invited Presentation.)

HONORS

- Certificate of Appreciation, Upward Bound Math and Science 2013 Bridge Program. University of North Texas. July 3, 2013.
- Certificate of Appreciation, Biology Faculty Search Committee. Department of Biology, William Paterson University. May 15, 2008.
- Capstone Recognition: Population Biology, Evolution and Ecology (recognition of excellent performance on the National Biology Assessment Exam). Department of Biology, William Paterson University. May 15, 2008.