Curriculum Vita
January 2023

Instructor: Dr. Lani Lyman-Henley, MA, PhD
Academic Department: Biological & Environmental Sciences

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EDUCATION

PhD Life Sciences (Ethology)
University of Tennessee, Knoxville 1991

MS Life Sciences (Ethology)
University of Tennessee, Knoxville, 1990

BA Zoology
University of California, Berkeley, 1987

TEACHING & ACADEMIC EXPERIENCE

Sept. 2016 – present, Assistant Professor (Professional Track), Department of Biology & Environmental Sciences, Texas A&M-Commerce

Jan. 2014 - Sept. 2016, Assistant Professor (NTT)/ Animal Care Facility Director, Department of Biology & Environmental Sciences, Texas A&M-Commerce

Aug 2009 -Jan. 2014, Lecturer/Animal Care Facility Director, Department of Biology & Environmental Sciences Texas A&M-Commerce

Jan. 2004 – Aug. 2009, Adjunct Instructor or Ad Interim, Department of Biology & Environmental Sciences Texas A&M-Commerce

Jan. 2003 – Jun. 2003, Adjunct Instructor, Department of Biological Sciences and Department of Psychology Mississippi State University

Jan. 2002 – May 2002, Concept Artist, Mutable Realms, Inc., Huntsville, AL

Sept. 1992 – May 2001, Assistant Professor, Division of Science and Mathematics Mississippi University for Women

Aug. 1991 – Aug. 1992, Adjunct Instructor, Department of Biological Sciences, and/or Department of Psychology, Mississippi State University

PUBLICATIONS

Lyman, Lani P. (1990). The effects of dietary and social experience on the development of behavior in Butler's garter snake, *Thamnophis butleri*. Master's thesis, University of Tennessee, Knoxville.

Lyman-Henley, Lani P. (1991). Effects of social and dietary experience on chemosensory response, aggregation behavior and kin recognition in the eastern garter snake, *Thamnophis sirtalis sirtalis*. Doctoral dissertation, University of Tennessee, Knoxville.

Lyman-Henley, Lani P. (1993). A water snake's year. Herpetological Review, 24, 39-40.

Lyman-Henley, Lani P. (1993). Observations on a captive-born litter of typhlonectid caecilians (Amphibia: Gymnophiona). Herpetological Review, 24, 146-147.

Lyman-Henley, Lani P. & Gordon M. Burghardt (1994). Opposites attract: Effects of social and dietary experience on snake aggregation behavior. Animal Behaviour, 47, 980-982.

Lyman-Henley, Lani P. & Gordon M. Burghardt. (1995). Diet, litter and sex effects on chemical prey preference, growth, and site selection in two sympatric species of *Thamnophis*. Herpetological Monographs, 9, 140-160.

Lyman-Henley, Lani P. (1996). A review of *Snakes of the United States and Canada: Keeping them healthy in captivity*: Volume 2 Western Area. Herpetological Review, 27, 99-101.

Lyman-Henley, Lani P. (1997). A review of *The garter snakes: Ecology and evolution*. Herpetological Review, 28, 108-109.

Lyman-Henley, Lani P. & Tracy B. Henley. (2000). Some thoughts on the relationship between Behaviorism, Comparative Psychology, and Ethology. Anthrozoos, 13, 15-21.

Bhakta A, Gavini K, Yang E, **Lyman-Henley L**, Parameshwaran K. (2017) Chronic traumatic stress impairs memory in mice: potential roles of acetylcholine, neuroinflammation and corticotropin releasing factor expression in the hippocampus. Behavioural Brain Research, 335, 32-40.

Delisle, Z.J., Delgado-Acevedo, J., Ransom, D., and **Lyman-Henley, L**. (2019). *Agkistrodon piscivorus leucostoma* (Western Cottonmouth). Copulation Following Parturition. Herpetological Review, 50(1), 148.

Henley, T. B. & **Lyman-Henley, L.P**. (2019) The snakes of Göbekli Tepe: An ethological consideration. *Neo-Lithics,* 19, 16-19.

Lemanski, L.F., A. Kochegarov, K. Kaveh, M. Neal, A. Arms, Y.L Rodriguez', Lan Hong, M.J. Equbal, Pi. Biswas, Pr. Biswas, M. Gonzalez, J. Ross-Ferguson, J. Rusk, **L. Lyman-Henley**, T. Mcrae-Kee, C. Ivory, Z. Zhao 2021 Differentiation of mouse embryonic fibroblasts (MEFs) into cardiomyocytes using human-derived cardiac inducing RNA (CIR). Stem Cells Regen Med. 2021; 5(1): 1-11.

Lemanski, L.F., A. Kochegarov, K. Kaveh, M. Neal, A. Arms, Y.L Rodriguez', Lan Hong, M.J. Equbal, Pi. Biswas, Pr. Biswas, M. Gonzalez, J. Ross-Ferguson, J. Rusk, **L. Lyman-Henley,** T. McRae-Kee, C. Ivory, Z. Zhao 2021 Cardiac inducing RNAs (CIRs) from human fetal heart promote the differentiation of non-muscle cells to form into cardiomyocytes *in vitro*. Adv Case Stud. 3(1). AICS.000553. 2021. DOI: 10.31031/AICS.2021.03.000553

RESEARCH GRANTS AND AWARDS

Awards

Feb. 13, 2021, Myrna Gilstrap Creativity in Teaching Award, Texas Association of Black Personnel in Higher Education.

Personnel on Funded Grants

RUI: Elucidation of Maspardin Function and its Role in the Endocytic Pathway (NSF-RUI: 1121151); with PI Larry Lemanski

Major Research Instrumentation: IM-Q-TOF Mass Spectrometer (funded); “Isolating Scent Chemicals Utilized by Snakes for Hunting Prey,” with PI Laurence Angel