

Curriculum Vitae

Michelle L. Vieyra

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Education

B.S. (2000) Black Hills State University, Spearfish, South Dakota.

Majors: Biology, Psychology, Sociology. Graduated Summa Cum Laude.

Ph. D (2006) University of South Carolina, Columbia, South Carolina

Biology with emphasis on molecular and evolutionary biology

Appointments

2007-current: Assistant Professor. Department of Biology and Geology, University of South Carolina, Aiken, SC.

2006-2007: Biology 101 Laboratory Coordinator, Lecturer. Department of Biological Sciences, University of South Carolina, Columbia, SC.

Research Interests

Olfaction, Evolution of Olfactory Receptor Genes, Animal Behavior, Sensory Systems

Teaching Experience at USC Aiken

Spring 2009: ABIO 598H, Animal Nutrition

Summer 2008: ABIO 242, Human Physiology

Spring 2008: ABIO 598N, Animal Behavior

Spring 2007, Ongoing: ABIO 232, Human Anatomy

Spring 2007: ABIO 101, General Biology I

Laboratory and Lecture Teaching Experience at USC Columbia

Summer 2007: Biol 534, Animal Behavior Lecture

Fall 2007, Summer 2006, Fall 2000, 2001: Biol 101L, General Biology I Lab

Spring 2004, 2005, 2006: Biol 534, Animal Behavior Lab

Fall 2002, 2003, 2005: Biol 243L, Anatomy and Physiology I Lab

Fall 2004: Biol 302, Cellular and Molecular Biology Lab

Spring 2003: Biol 244L, Anatomy and Physiology II Lab

Spring 2002: Biol 102L, General Biology II Lab

Spring 2001: Biol 635L, Neuroscience Lab

Awards and Honors:

2006: Gerald and Antona Wilson Biological Sciences Graduate Student Award

2003: Educational Foundation Outstanding Teaching Assistant Award for Graduate Assistants. University wide award.

2003: Jeffrey Barnesdale Memorial Fellowship Teaching Assistant Award. Departmental Award.

Peer Reviewed Publications

2008: Vieyra ML, Identification and Classification of Olfactory Receptor Genes in Sea Turtles, Freshwater Turtles, Terrestrial Turtles and American Alligator. *Copeia*. In revision.

2007: Kellam N, Vieyra ML, and Peters, W. "Informing the Launch of a Center for Teaching and Learning in a Medium-sized Research University," *Proceedings of the American Educational Research Association Annual Meeting*, Chicago, Illinois.

2006: Vieyra ML, Vogt RG The importance of odor receptors to the chemosensory behavior of sea turtles. In *Sea Turtle and Pelagic Fish Sensory Biology: Developing Techniques to Reduce Sea Turtle Bycatch in Longline Fisheries*. (ed. Yonat Swimmer, Richard Brill). U.S. Dep. Commer., NOAA Technical Memorandum NOAA-TM-NMFS-PIFSC-7, 27-40.

2005: Vieyra, ML, Vogt, RG. “Assessing the Importance of Olfaction in Sea Turtles: An allelic Variation Approach”. *Proceedings of the Twenty Seventh Annual Association for Chemoreception in Science Meeting*.

2005: Vieyra, ML, Vogt, RG. “Assessing the Importance of Olfaction for Sea Turtles by using Allelic Variation to Show Selection on Olfactory Receptor Genes”. *Proceedings of the Twenty Fifth Annual Symposium on Sea Turtle Biology and Conservation*

2005: Vieyra, ML, Vogt, RG. “Assessing the Importance of Olfaction in the Life of a Sea Turtle: A Molecular Perspective”. *Proceedings of the Twenty Fifth Annual Symposium on Sea Turtle Biology and Conservation*

2004: Vieyra, ML, Vogt, RG. “Studying Olfaction in an Endangered Species: What DNA Analysis can tell you about the Importance of Olfaction in Sea Turtles”. *Proceedings of the Twenty Sixth Annual Association for Chemoreception in Science Meeting*.

2003: Vieyra, ML, Vogt, RG. “A Comparative Study of Olfactory Receptor Genes in Sea Turtle, Fresh Water Turtles, Terrestrial Turtles, and Alligator”. *Proceedings of the Twenty Fifth Annual Association for Chemoreception in Science Meeting*.

2002: Vogt, RG, Vieyra, ML, Anderson, DA. New Discoveries in the Olfactory Capability of Sea Turtles. *Pelagic Fisheries Research Program, Vol.7,2*.

2002: Vieyra, ML, Vogt, RG. “Behavioral and Genetic Components of Marine Turtle Olfaction”. *Proceedings of the Twenty Second Annual Symposium on Sea Turtle Biology and Conservation*.

Professional Memberships

2008-Present: American Society of Ichthyology and Herpetology

2007-Present: Partners in Amphibian and Reptile Conservation

2000- 2006: Association for Chemoreception in Science, Student Member

2002-2006: The Herpetology League, Student Member

Presentations

April 2005: Vieyra, ML, Vogt, RG. “Assessing the Importance of Olfaction in Sea Turtles: An allelic Variation Approach”. 27th Annual Association for Chemoreception in Science Meeting. Poster Presentation,

Jan 2005: Vieyra, ML, Vogt, RG. “Assessing the Importance of Olfaction for Sea Turtles by using Allelic Variation to Show Selection on Olfactory Receptor Genes”. 25th Annual Sea Turtle Symposium. Oral Presentation.

Jan 2005: Vieyra, ML, Vogt, RG. “Assessing the Importance of Olfaction in the Life of a Sea Turtle: A Molecular Perspective”. 25th Annual Sea Turtle Symposium. Poster Presentation.

Nov 2004: Vieyra, ML. “Smelly Turtles: Using Molecular Analysis to Study Olfaction. USC Department of Biological Sciences MCDB Retreat. Poster Presentation.

May 2004: Vieyra, ML. “Studying Olfaction in an Endangered Species: What DNA Sequence Analysis can tell you about the Importance of Olfaction in Sea Turtles”. Joint Meeting of Ichthyologists and Herpetologists. Poster Presentation.

April 2004: Vieyra, ML, Vogt, RG. “Studying Olfaction in an Endangered Species: What DNA Analysis can tell you about the Importance of Olfaction in Sea Turtles”. 26th Annual Association for Chemoreception in Science Meeting. Poster Presentation.

April 2003: Vieyra, ML, Vogt, RG. “A Comparative Study of Olfactory Receptor Genes in Sea Turtle, Fresh Water Turtles, Terrestrial Turtles, and Alligator”. 25th Annual Association for Chemoreception in Science Meeting. Poster Presentation.

May 2002: Vieyra, ML. “A Molecular Study of Sea Turtle Olfaction”. USC Department of Biological Sciences MCDB Retreat. Oral Presentation.

April 2002: Vieyra, ML, Vogt, RG. “Behavioral and Genetic Components of Marine Turtle Olfaction”. 22nd Annual Symposium on Sea Turtle Biology and Conservation. Oral Presentation.

April 2002: Vieyra, ML. “Sea Turtle Conservation: A molecular Approach”. USC Department of Biological Sciences Graduate Student Baruch Retreat. Oral Presentation.

Professional Development / Leadership Positions

2008: NACADA regional conference

2006: Summer Director for the Center for Teaching Excellence, USC Columbia

2005-2006: Elected Graduate Student Faculty Liaison University of South Carolina
Biology Department.

2004-2005: Elected President of the Graduate Association of Biological Sciences

University of South Carolina (www.biol.sc.edu/gabs)

2003: Member of the Ecology/Evolution/Organismal Biology (EEOB) Curriculum
Reform Committee

2002-2006: Preparing Future Faculty (PFF) program participant