

CURRICULUM VITA

SUSAN MICHELE GREEN

LECTURER

I. ACADEMIC/PROFESSIONAL BACKGROUND

EDUCATIONAL BACKGROUND

- M.S. 2001 Biology, University of Louisiana at Lafayette, Lafayette, LA. "Isolation and characterization of a partial vicilin seed storage protein gene from *Vigna luteola*".
- B.S. 1998 Biology with a minor in chemistry, Northwestern State University, Natchitoches, LA.

UNIVERSITY EXPERIENCE

- 2006 – present Lecturer, Texas State University, San Marcos, TX.
- 2002 – 2008 Graduate Student (doctoral), University of Louisiana at Lafayette, Lafayette, LA.
- 2002 Research Assistant, University of Louisiana at Lafayette, Lafayette, LA.
Molecular phylogeny of the teleost genera *Gobiosoma* and *Eviota* (family Gobiidae).
Research Assistant, University of Louisiana at Lafayette, Lafayette, LA.
Isolation of protein fraction involved in the recovery of hair cell function among anemones.
- 2001 Research Assistant, University of Louisiana at Lafayette, Lafayette, LA.
Microgravity induced effects on vertebrate body form with *Rivulus marmoratus* as a model system.
- 1999 – 2004 Teaching Assistant, University of Louisiana at Lafayette, Lafayette, LA.
- 1999 – 2001 Graduate Student (masters), University of Louisiana at Lafayette, Lafayette, LA.
- 1999 – 2001 Research Assistant, University of Louisiana at Lafayette, Lafayette, LA.
Aflatoxin resistance in genetically engineered cotton (*Gossypium hirsutum*).

II. TEACHING

COURSES TAUGHT

- Modern Biology I (Bio 1320), Department of Biology, Texas State University, San Marcos, TX.
- Functional Biology (Bio 1430), Department of Biology, Texas State University, San Marcos, TX.
- Anatomy and Physiology (Bio 2430), Department of Biology, Texas State University, San Marcos, TX.
- Vertebrate Physiology (Bio 3421): Laboratory Coordinator, Department of Biology, Texas State University, San Marcos, TX.
- Anatomy and Physiology Laboratory, Department of Biology, University of Louisiana at Lafayette, Lafayette, LA.
- General Physiology Laboratory, Department of Biology, University of Louisiana at Lafayette, Lafayette, LA.
- Comparative Anatomy of the Vertebrates Laboratory, Department of Biology, University of Louisiana at Lafayette, Lafayette, LA.
- Comparative Anatomy of the Vertebrates (guest lecturer), Department of Biology, University of Louisiana at Lafayette, Lafayette, LA.
- Ichthyology Laboratory, Department of Biology, University of Louisiana at Lafayette, Lafayette, LA.
- Introduction to Biology Laboratory, Department of Biology, University of Louisiana at Lafayette, Lafayette, LA.

COURSES PREPARED

Modern Biology I (Bio 1320), Department of Biology, Texas State University, San Marcos, TX.: Lecture preparation.

Functional Biology (Bio 1430), Department of Biology, Texas State University, San Marcos, TX.: Lecture preparation. In 2006, I incorporated primary literature readings into lecture. In 2007, I produced a series of podcasts pertaining to lecture for distribution via the university's online course management system (TRACS). These podcasts are available to students enrolled in my sections of Bio 1430 lecture. In 2009, I began preparation of tutorials for lecture discussions and activities to enhance student learning via TRACS.

Anatomy and Physiology (Bio 2430), Department of Biology, Texas State University, San Marcos, TX: Lecture preparation.

Vertebrate Physiology Laboratory (Bio 3421), Department of Biology, Texas State University, San Marcos, TX.: In 2007, I supplemented the current laboratory manual with additional exercises. In 2007, I began preparation of video production of technical aspects of the lab for student viewing via the university's online course management system (TRACS); In 2009, I began preparation of online tutorials for lab exercises and equipment use for student participation via TRACS.

III. SCHOLARLY/CREATIVE

PAPERS IN PREPARATION OR REVIEW

Green, S.M. and K.S. Cole. In revision. "An occupationally safe technique for the simultaneous detection of bone and cartilage in larval fishes" *Copeia*.

Green, S.M. and K.S. Cole. In revision. "Temporal reproduction patterns and paternal involvement at the nest of the Staghorn damselfish, *Amblyglyphidodon curacao*" *Environmental Biology of Fishes*.

Green, S.M. and G.M. Watson. In preparation. "Subcellular mechanisms of beta fraction repair activity: pharmacological manipulation of hair cell repair."

PAPERS PRESENTED AT PROFESSIONAL MEETINGS

2004 "Binding kinetics of proteins involved in repair of traumatized hair cells in the sea anemone (*Haliplanella luciae*)" at the annual meeting of the Association for Research in Otolaryngology.

2003 "Identification and classification of vicilins in *Vigna luteola*" at the annual meeting of the Southern Section of the American Society of Plant Biologists.

2003 "Abnormal developmental effects following prolonged embryonic exposure to a rotating cell culture system (RCCS) environment, in the Cypriniform fish, *Rivulus marmoratus*" at the annual investigators working group meeting of the NASA Cell Science Conference.

2002 "A differential staining technique for the detection of cartilage and bone in newly hatched *Rivulus marmoratus*" at the annual meeting of The American Society of Ichthyologists and Herpetologists, Kansas City, Missouri.

2001 "Isolation and characterization of a partial vicilin seed storage protein gene from *Vigna luteola*" at the 2nd annual Graduate Student Symposium, University of Louisiana at Lafayette.

FUNDED GRANTS

- 2001 – 2004 Graduate Student Organization Supply Fund, dissertation related (\$480.00).
1999 – 2001 Graduate Student Organization Supply Fund, thesis related (\$880.00).

IV. SERVICE

UNIVERSITY

- 2007 – 2008 Undergraduate Mentoring Program, Texas State University, San Marcos, TX.

DEPARTMENTAL

- 2006 – present TRACS Steering Committee, Texas State University, San Marcos, TX.
2003 – 2005 Graduate Student Symposium Committee, Department of Biology, University of Louisiana at Lafayette, Lafayette, LA.

COMMUNITY

- 2008 – present Stephen Ministry, First United Methodist Church, San Marcos, TX.

PROFESSIONAL ORGANIZATIONS

- Association for Women in Science
Society for Integrative and Comparative Biology
Texas Academy of Sciences