

Ronald W. Havner

PROFESSIONAL CONTACT INFORMATION

Biology Department
Stephen F. Austin State University
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EDUCATION

Master of Science, Biology
Stephen F. Austin State University, Nacogdoches, TX
Advisor: Dr. Peter J. King
2004

Bachelor of Science, Physiological Psychology
University of California, Santa Barbara, CA
1982

RESEARCH INTERESTS

- Cellular proteins involved in the action of HIV-1 Integrase
- Analysis of bacterial glyco-calyx associated with fossilized organisms

TEACHING INTERESTS

- Undergraduate biology and microbiology laboratories including microbiology, virology, and zoology.
- Graduate microbiology laboratories.

RELATED EXPERIENCE

Research

Graduate Research Assistant, Department of Biology, Stephen F. Austin State University, Nacogdoches, TX, August 2002 – August 2003

- Design and conduct experiments for the expression of HIV-1 Integrase by *Spodoptera frugiperda* utilizing a Baculovirus expression system
- Design and conduct experiments to identify cellular proteins involved in the action of HIV-1 Integrase in a *Saccharomyces cerevisiae* model.
- Conducted genetic cloning including DNA preparations, Restriction digest, DNA isolation, purification, and gel electrophoresis.
- Conducted SEM analysis of fossilized bacterial material within fossil samples from Liaoning, China.

Undergraduate Research Assistant, Department of Psychology, University of California, Santa Barbara, CA, September 1981 – May 1982

Project: Thermo-regulation and heat generation by brown adipose tissue as a result of electrical stimulation of the ventro-medial hypothalamus in rats.

Advisor: Dr. Harry J. Carlisle

Teaching

Microbiology Laboratory Instructor, Department of Biology, Stephen F. Austin State University, Nacogdoches, TX, Summer 2005 to present.

- Prepared all materials for all microbiology labs during this period.
- Taught all General and Pre-Nursing microbiology laboratories during this period.
- Taught all Pre-Nursing microbiology lectures and labs during the summer of 2006.

Microbiology Laboratory Instructor, Adjunct, Department of Biology, Stephen F. Austin State University, Nacogdoches, TX, Summer 2004 to Summer 2005.

- Prepared all materials for the microbiology lab during this period.
- Taught all General and Pre-Nursing microbiology laboratories during this period.
- Taught the undergraduate microbiology lecture and labs during the summer of 2005.

Laboratory Instructor, Department of Biology, Stephen F. Austin State University, Nacogdoches, TX, Summer 2003

- Prepared all materials for the undergraduate human physiology and anatomy lab during the summer of 2003.
- Taught the undergraduate human physiology and anatomy lab during the summer of 2003.

Graduate Teaching Assistant, Department of Biology, Stephen F. Austin State University, Nacogdoches, TX, August 2003 – March 2004

- Coordinated and prepared the undergraduate microbiology laboratories for the school year 2003 – 2004 to include the preparation and sustainment of multiple bacterial cultures, preparation of all reagents and media in support of the microbiology lab.
- Supervised and scheduled the activities of all undergraduate microbiology lab assistants.
- Developed and adapted the undergraduate microbiology lab agenda for school year 2003 – 2004.
- Forecasted and requisitioned all necessary materials for the microbiology lab.
- Routinely taught undergraduate microbiology laboratories.
- Tutored student groups and conducted review sections, prepared and graded exams for the undergraduate microbiology lab.

Undergraduate Teaching Assistant, Department of Psychology, University of California, Santa Barbara, CA, May 1979 – May 1982

- Prepared and graded weekly exams for the undergraduate experimental design and statistics course.
- Conducted thrice weekly study sections for undergraduate students

Advisor: Dr. Elijah P. Lovejoy

PUBLICATIONS AND PRESENTATIONS

Prepared and presented poster at the annual American Society of Paleontologists in Norman, OK in 2003. Paper prepared for submission with Dr. Terry Jones, Department of Biology, Stephen F. Austin State University, Nacogdoches, TX