

Name                   Lori Ann Rose (Henderson)  
Title                   Laboratory Coordinator  
Department           Biological Sciences  
College                Arts and Sciences

### **Degrees Earned**

Degree, Major, (minor – optional), Institution, Year

Bachelor of Sciences, Biology, Fort Hays State University, 1985

Master of Sciences, Biological Sciences, Wichita State University, 1988

### **Professional Licensure and Certifications**

### **Peer-Review Publications and Artistic Performances/Exhibitions**

#### **Articles**

Sarachek, A. and Henderson, L.A. 1988. Variations for susceptibilities to ultraviolet induced cellular inactivation and gene segregation among protoplast fusion hybrids of *Candida albicans*. *Cytobios* **55**:171-184.

Sarachek, A. and Henderson, L.A. 1990. Recombinogenicity of caffeine for *Candida albicans*. *Mycopathologia* **100**: 63-77.

Sarachek, A. and Henderson, L.A. 1991. Modification of responses of *Candida albicans* to cisplatin by membrane damaging antimycotic agents. *Mycoses* **34**: 177-82.

Sarachek, A., Henderson, L.A. and Eddy, K.B. 1991. Genetic destabilization of *Candida albicans* by hydroxyurea. *Microbios* **65**: 39-61.

Sarachek, A., Henderson, L.A. and Wilkens, W.E. 1992. Evaluation of the genotoxic spectrum of cisplatin for *Candida albicans*. *Microbios* **72**: 183-201.

#### **Books**

##### **Lab Manuals Written or Edited**

1993 Contemporary Biology – Biology 114 Laboratory Manual, plus subsequent yearly updates. Sam Houston State University Press.

1997 Introductory Biology II – Biology 116 Lab Manual, plus subsequent yearly updates. Sam Houston State University Press.

2003 Introductory Environmental Science – Biology 117 Lab Manual, plus subsequent yearly updates. Sam Houston State University Press.

2007 Biology 114: Laboratory Manual for Contemporary Biology, plus subsequent yearly updates. Hayden-McNeil Publishers.

2010 Foundations of Science Laboratory Manual, plus subsequent yearly updates, co-authored with J. Gillespie, J. Hill, & M. Rowe. Hayden-McNeil Publishers.

## **Chapters**

### **Proceedings**

Rose, L.A. and K. Zoghby. 2011. 'Should Jack and Jill Go Off The Pill?' – Application of an Interrupted Case Study to Facilitate Student Learning. *Proceedings of the Association for Biology Laboratory Education* 32:391-392.

### **Artistic Performances**

### **Artistic Exhibitions**

## **Research Monographs and Technical Reports**

### **Funded External Grants**

### **Peer-Review Presentations/Posters**

## **Work or Professional Experiences**

1988-1990, Wichita State University, Department of Biological Sciences, Research Associate.

1990-Present, Sam Houston State University, Department of Biological Sciences, Laboratory Coordinator.

September 2008-Present, Sam Houston State University, Foundations of Science Committee, Laboratory Coordinator.

June 1992, attended the Association for Biology Laboratory Education (ABLE) Conference, University of Nevada, Las Vegas.

November 2002, attended the Conference for the Advancement of Science Teaching, El Paso, TX.

November 2004, Conference for the Advancement of Science Teaching, Corpus Christi, TX.

Presented a short workshop on teaching the metric system integrated with botany, environmental science and nutrition.

October 2006, attended the 7<sup>th</sup> Annual Conference on Case Study Teaching in Science, Buffalo, N.Y.

June 2008, attended the Association for Biology Laboratory Education Conference, University of Toronto, Mississauga, Canada.

August 2008, completed "Blackboard Day," hosted by the Office of Academic Instructional Technology and Distance Learning, Sam Houston State University.

October 2008, attended the 9<sup>th</sup> Annual Conference on Case Study Teaching in Science, Buffalo, N.Y.

February 2009, Case Study Teaching in Science, teaching conference hosted by The Professional and Academic Center for Excellence at Sam Houston State University.

May 2009, attended the 2009 Case Studies in Science Summer Workshop, University at Buffalo, State University of New York, Buffalo, N.Y.

June 2009, attended the Association for Biology Laboratory Education Conference (ABLE), University of Delaware, Newark, Delaware.

August 2009, "Making Your Head Explode and Other Classroom Delights: The Importance of Active Learning" teaching conference hosted by The Professional and Academic Center for Excellence at Sam Houston State University.

February 2010, completed two hours of Professional Development, "Fifty Ways to Leave Your Lectern," The Professional and Academic Center for Excellence at Sam Houston State University.

June 2010, attended the Association for Biology Laboratory Education Conference (ABLE), Dalhousie University, Halifax, Nova Scotia, Canada. Presented a mini-workshop demonstrating the use of a case study to teach human genetic pedigree construction and enhance understanding of Fragile-X Syndrome. All ABLE workshop proposals are reviewed and selected by a panel prior to inviting presenters.

October 2010, attended the National Conference on Geography Education. Co-presented *"Pushing Boundaries: A Novel Approach to Teaching Geography"* with M. Gillespie and J. Maier.

June 2011, will attend the Association for Biology Laboratory Education (ABLE) 33<sup>rd</sup> Annual Workshop/Conference, New Mexico State University, Las Cruces, New Mexico. Will present the major workshop, *"What Happened to Alice Newfield?: An Investigative Case Study to Engage Non-science Majors' Interest in the Diversity of Life and the Nature of Science"* during two sessions. Will also present a mini-workshop, *Extraordinary Claims: an Innovative Approach to Engage Students Interest and Enhance Critical Thinking Skills in General Education Science Courses*. All ABLE workshop proposals are reviewed and selected by a panel prior to inviting presenters.

**Honors and Awards**

**Other Competencies**