

---

**BIOGRAPHICAL SKETCH for GRADUATE FACULTY APPOINTMENT or REAPPOINTMENT**

---

Provide the following information.  
**DO NOT EXCEED THREE PAGES.**

---

NAME		POSITION TITLE	
Ainsworth, A. Jerald		Dean for Research and Graduate Studies Professor of Biological Sciences Southeastern Louisiana University	
EDUCATION/TRAINING ( <i>Begin with baccalaureate or other initial professional education, such as nursing and include postdoctoral training.</i> )			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Delta State Univ. Cleveland, MS	B.S.	1975	Biophysics and Mathematics
University Medical Ctr., Jackson, MS	M.S.	1977	Immunopathology
University Medical Ctr., Jackson, MS	Ph.D.	1979	Immunology
University Alabama - Birmingham	NIH Postdoctoral	1979 - 1980	Immunology/Rheumatology

**A. Positions and Honors.****Positions and Employment** (begin with current position)

- March 2008 – present Dean, Research and Graduate Studies, Southeastern Louisiana University  
1998 – 2008 Associate Dean for Research and Graduate Studies/Professor, College of Veterinary Medicine, Mississippi State University  
1994 -1998 Professor; Coordinator, Veterinary Medical Sciences Graduate Program, College of Veterinary Medicine, Mississippi State University.  
1987 –1994 Associate Professor and Scientific Director Flow Cytometry Center, College of Veterinary Medicine, Mississippi State University.  
1980 – 1987 Assistant Professor, College of Veterinary Medicine, Mississippi State University.

**Honors**

- 1984, 1996 Dean's Pegasus Research Award, College of Veterinary Medicine, MSU  
1987 Sigma Xi Faculty Research Award, Mississippi State University  
1990, 1992 SmithKline Beecham Award for Research Excellence  
1994, 1997 American Institute of Biological Sciences, Panel member for the review of Sea Grants.  
2000 Mississippi State Office of Research Award  
2003 Dean's Pegasus Teaching Award, College of Veterinary Medicine, MSU

**B. Peer-Reviewed Publications or Creative Works** (list for last five (5) years *only*).

- Liu, D, **Ainsworth AJ**, Austin FW, Lawrence ML. 2003. Identification of *Listeria innocua* by PCR targeting a gene encoding a putative transcriptional regulator. *FEMS Microbiology Letters*. 223:205-210.  
Liu, D, **Ainsworth AJ**, Austin FW, Lawrence ML. 2003. Characterization of virulent and avirulent *Listeria monocytogenes* through PCR amplification of putative transcriptional regulator and internalin genes. *Journal of Medical Microbiology*. 52: 1065-1070.  
Liu, D, **Ainsworth AJ**, Austin FW, Lawrence ML. 2004. Use of PCR primers derived from a putative transcriptional regulator gene for species-specific determination of *Listeria monocytogenes*. *Int. J. Food Microbiol.* 91:297-304.  
Liu, D, **Ainsworth AJ**, Austin FW, Lawrence ML. 2004. PCR detection of a putative N-acetylmuramidase gene from *Listeria ivanovii* facilitates its rapid identification. *Veterinary Microbiology*. 101(2):83-89.  
Liu, D, **Ainsworth AJ**, Austin FW, Lawrence ML. 2005. Isolation and PCR amplification of a species-specific, oxidoreductase-coding gene region in *Listeria grayi*. *Canadian Journal of Microbiology*. 51(1):95-98.  
Liu, D, **Ainsworth AJ**, Austin FW, Lawrence ML. 2005. Comparative assessment of acid, alkaline and salt tolerance in *Listeria monocytogenes* virulent and avirulent strains. *FEMS Microbiology Newsletter*. 243:373-378.  
Hardin L, **Ainsworth AJ**. 2007. An alumni survey to assess quality of education at a US veterinary school. *Journal of Veterinary Medical Education*. 34(5):683-688.  
**Ainsworth AJ**, Hardin L, Robertson S. 2007. Assessment of incidental learning of medical terminology in a veterinary curriculum. *Journal of Veterinary Medical Education*. 34:202-204.

- Liu D, Lawrence ML, Pinchuk LM, **Ainsworth AJ**, Austin FW. 2007. Characteristics of cell-mediated, anti-listerial immunity induced by a naturally avirulent *Listeria monocytogenes* serotype 4a strain HCC23. *Archives of Microbiology* 18:251-256.
- Liu D, Lawrence ML, Austin FW, **Ainsworth AJ**. 2007. A multiplex PCR for species- and virulence-specific determination of *Listeria monocytogenes*. *Journal of Microbiological Methods*. 71:133-140.
- Liu D, Lawrence ML, **Ainsworth AJ**, Austin FW. 2007 Toward an improved laboratory definition of *Listeria monocytogenes* virulence. *International Journal of Food Microbiology*. 118:101-125.
- Dongyou L, Lawrence ML, **Ainsworth AJ**. 2008. A novel PCR assay for *Listeria welshimeri* targeting transcriptional regulator gene *lwe1801*. *Journal of Rapid Methods and Automation in Microbiology*. 16:152-161.

**C. Graduate Student Training & Teaching** (List for past five (5) years, courses taught, students mentored as major advisor/professor or committee member)

Student	Thesis/Dissertation Title	completed/year
Pam Hérbert	Mucosal immune responses of channel catfish	Ph.D. 1999
Betty Miguel Co-major	Characterization of the chicken tracheal receptor for IBV	Ph.D. 2000
Roger Belen	Immunological studies of the Brazilian catfish (Mr. Belen was a "sandwich" Ph.D. student completing only his research in Dr. Ainsworth's direction.)	Ph.D. 2002
Gavin Glenney Co-major	Dynamics of non-specific immunity in developing channel catfish, <i>Ictalurus punctatus</i>	Ph.D. 2004

Minor Professor and/or committee member:

Freyer Kruger	Committee member	M.S. 2002
Michelle Williams	Committee member	Ph.D. 2003
Simon Menanteau	Committee member	Ph.D. 2007
Shuhui Li	Committee member	M.S. 2007

Courses taught

Cases studies in Scientific Research Ethics – taught Spring 2007 & 2008

**Ongoing Research & Creative Activity Support**

Identification of new virulence factors of *Listeria monocytogenes* (Agricultural Research Service agreement 58-6202-5-083). ML Lawrence (PI), AJ Ainsworth (Co-Inv). 07/01/08 – 6/31/09.