

Biographical Sketch

Provide the following information for the key personnel in the order listed for Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Tracy L. Cyr		POSITION TITLE Assistant Professor, Veterinary Pathobiology, College of Veterinary Medicine, Texas A&M University	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Crafton Hills College, Yucaipa, CA	A. S.	1977	Biology
University of California at Riverside	B. S.	1989	Entomology
Washington State University	M.S.	1993	Entomology
University of Missouri	Ph. D.	1999	Entomology

NOTE: The Biographical Sketch may not exceed four pages. Items A and B may not exceed two of the four-page limit.

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

ACADEMIC APPOINTMENTS:

2005 Assistant Professor, Department of Veterinary Pathobiology, School of Veterinary Medicine, Texas A&M University, College Station, TX

2002-2004 Postdoctoral Research Scientist, Animal Parasitic Diseases Laboratory, USDA, ARS, Beltsville, MD

2000-2002 Assistant Professor, Department of Biological Sciences, Ohio Northern University, Ada, OH

2000 Postdoctoral Research Fellow, Department of Veterinary Pathobiology, School of Veterinary Medicine, University of Missouri, Columbia, MO

1999-2000 Postdoctoral Research Fellow, Department of Molecular Microbiology and Immunology, School of Medicine, University of Missouri, Columbia MO

1998-2000 Adjunct Faculty, Department of Biology, William Woods University, Fulton MO

HONORS AND AWARDS:

1990 George Tamaki Memorial Scholarship (WSU)

1990 Washington State Entomology Student Award (WSU)

1991 Washington State Graduate Support Award (WSU)

1992 George Tamaki Memorial Scholarship (WSU)

1996-97 Graduate Research Project Competition (University of Missouri); Received in order to travel to Rocky Mountain Laboratory, NIH/NIAID, Hamilton, MT., to learn microimmuno- fluorescent antibody testing under the direction of Dr. Tom Schwan and Dr. Willy Burgdorfer.

1997 Leonard E. Haseman Superior Graduate Achievement Award (University of Missouri)

PROFESSIONAL MEMBERSHIPS:

The Entomological Society of America, Sect. D
Livestock Insect Workers Association
Sigma Xi, Scientific Honors Society

B. Selected (>180) peer-reviewed publications (in reverse chronological order). Do not include publications submitted or in preparation.

Cyr, T. L., M.L. Jenkins, R. D. Hall, E. J. Masters, and G. A. McDonald. 2005. Improving the Specificity of 16S-rDNA-Based Polymerase Chain Reaction for Detecting *Borrelia burgdorferi* sensu lato-Causative Agents of Human Lyme Disease. *Journal of Applied Microbiology*. 98: 962-970.

Roland, W. E., E. D. Everett, T. L. Cyr, S. Z. Hasan, C. B. Dommaraju, and G. A. McDonald. 1998. *Ehrlichia chaffeensis* in Missouri ticks. *Am. J. Trop. Med. Hyg.* 59: 641-643.

Byrne, A. L., M. A. Camann, T. L. Cyr, E. P. Catts, and K. E. Espelie. 1995. Forensic implications of biochemical differences among geographic populations of the black blow fly, *Phormia regina* (Meigen). *J. Forensic Sci.* 40: 372-377.

Meyer, J. A., B. A. Mullens, T. L. Cyr, and C. Stokes. 1990. Parasites for filth fly control on dairies. *Calif. Agric.* 44: 13-15.

Meyer, J. A., B. A. Mullens, T. L. Cyr, and C. Stokes. 1990. Commercial and naturally occurring fly parasitoids (Hymenoptera: Pteromalidae) as biological control agents of stable flies and house flies (Diptera: Muscidae) on California dairies. *J. Econ. Entomol.* 83: 799-806.

Meyer, J. A., T. Cyr, J. D. Mandeville, and W. D. McKeen. 1988. Evaluation of Larvadex® 5SC for controlling development of *Fannia* spp. *Insecticide and Acaricide Tests.* 13: 404.

Mullens, B. A., J. A. Meyer, and T. L. Cyr. 1987. Infectivity of insect-parasitic nematodes (Rhabditida: Steinernematidae, Heterorhabditidae) for larvae of some manure-breeding flies (Diptera: Muscidae). *Environ. Entomol.* 16: 769-773.

PRESENTATIONS AND POSTERS:

Cyr, T. L., C. O'Brien, and J. F. Carroll. Experimental infection of dairy calves with *Borrelia burgdorferi* by exposure to field-collected *Ixodes scapularis* ticks. Poster presented to the 51st Annual Meeting of the Entomological Society of America, Cincinnati, Ohio, October, 2003.

Cyr, T. L., C. O'Brien, and J. F. Carroll. Experimental infection of dairy calves with *Borrelia burgdorferi* by exposure to field collected ixodid ticks. Short talk presented to the 19th conference of the World Association for the Advancement of Veterinary Parasitology, New Orleans, Louisiana, August, 2003.

Cyr, T. L. The effects of experimental infection of dairy calves with *Borrelia burgdorferi* by exposure to field-collected deer ticks and the possible role of cattle in maintaining an enzootic cycle of transmission of Lyme disease. Short talk presented to the 47th Annual Livestock Insect Workers Conference, Atlantic Beach, North Carolina, June, 2003.

Cyr, T. L. Using PCR to Detect *Borrelia burgdorferi* in Cattle. Poster presented to the 50th Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida, November 2002.

Spratt, M. L., R. Palow, T. L. Cyr, and G. A. McDonald. *Francisella tularensis* identified by PCR in Missouri ticks. Poster presented to the American Society for Microbiology, Chicago, Ill, June 1999.

Cyr, T. L., R. D. Hall, and G. A. McDonald. Using molecular techniques to target Lyme disease in Missouri. Poster presented to the Entomological Society of America, Annual Meeting, Las Vegas, Nevada, December 1998.

Cyr, T. L., R. D. Hall, and G. A. McDonald. Identification of a *Borrelia* sp. present in Missouri ticks and patient samples using DNA sequencing. Poster presented to the American Society for Microbiology, 98th General Meeting, Atlanta, Georgia, May 1998.

Cyr, T. L., R. D. Hall, and G. A. McDonald. The identification of *Borrelia* sp. present in Missouri ticks and patient samples using PCR. Poster presented to the Entomological Society of America, Annual Meeting, Nashville, Tennessee, December 1997.

Cyr, T. L., R. D. Hall, E. J. Masters, C. C. Graumann, and G. A. McDonald. The identification of a previously unrecognized *Borrelia* sp. in non-Ixodes ticks and patient samples from Missouri. Short talk presented in the "Late-breaking News" session of the American Society of Tropical Medicine and Hygiene, Annual Meeting, Baltimore, Maryland, December 1996.

Cyr, T. L., R. D. Hall, E. J. Masters, C. C. Graumann, and G. A. McDonald. The identification of a previously unrecognized *Borrelia* sp. in non-Ixodes ticks and patient samples from Missouri. Poster presented to the Entomological Society of America, Annual Meeting, Louisville, Kentucky, December 1996.

Cyr, T. L., R. D. Hall, E. J. Masters, C. C. Graumann, and G. A. McDonald. The identification of *Borrelia* sp. by polymerase chain reaction from ticks collected in Missouri. Poster presented to the Entomological Society of America, Annual Meeting, Las Vegas, Nevada, December 1995.

Cyr, T. L., R. D. Hall, E. J. Masters, C. C. Graumann, and G. A. McDonald. The identification of *Borrelia* sp. by polymerase chain reaction from ticks collected in Missouri. Short talk presented to the Entomological Society of America, Annual Meeting, Dallas, Texas, December 1994.

Cyr, T. L., and E. P. Catts. Forensic implications of biological differences among geographic races of *Phormia regina* (Diptera: Calliphoridae). Short talk presented to the Entomological Society of America, Pacific Branch Meeting, Kona, Hawaii, June 1992.

Cyr, T. L., and E. P. Catts. Forensic implications of biological differences among geographic races of *Phormia regina* (Diptera: Calliphoridae). Short talk presented to the Entomological Society of America, Annual Meeting, Baltimore, Maryland, December 1992.