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	POSITION TITLE
Leigh Anne Clark	Research Assistant Professor, Veterinary Pathobiology, College of Veterinary Medicine, Texas A&M University

EDUCATIOM/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)

INTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Texas A&M University, College Station, TX	B.S.	2000	Biomedical Sciences
Texas A&M University, College Station, TX	Ph.D.	2004	Veterinary Microbiology

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.

PROFESSIONAL EXPERIENCE:

2004- 2006 Assistant Research Scientist, Department of Pathobiology, Texas A&M University, College Station, TX

2006 Associate Research Scientist, Department of Pathobiology, Texas A&M University, College Station, TX

2006-present Research Assistant Professor, Department of Pathobiology, Texas A&M University, College Station, TX

HONORS AND AWARDS:

2004 Texas A&M University College of Veterinary Medicine Fisher Institute Medical Research Award

2003 Comparative Gastroenterology Society Research Abstract Award, *American College of Veterinary Internal Medicine*

2002 Phi Kappa Phi National Scholastic Honor Society

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

Clark LA, Wahl JW, Rees CA, Murphy KE (2006). Retrotransposon insertion in *SILV* is responsible for merle patterning of the domestic dog. *Proc Natl Acad Sci USA*. 103:1376-1381. (work highlighted by *Commentary* and featured on cover)

Clark LA, Wahl JW, Steiner JM, Zhou W, Ji W, Famula TR, Williams DA, Murphy KE (2005). Linkage analysis and gene expression profile of pancreatic acinar atrophy in the German Shepherd Dog. *Mamm Genome*. 16:955-962. (work featured on cover)

Clark LA, Credille KM, Murphy KE, Rees CA (2005). Linkage of dermatomyositis in the Shetland Sheepdog to chromosome 35. *Vet Dermatol.*16:392-394.

Henske JA, Clark LA, Murphy KE (2005). Working dogs: History and Applications. In: The Dog and Its Genome. Ed. EA Ostrander, U. Giger, K. Lindblad-Toh. Woodbury, New York. *Cold Spring Harbor Laboratory Press* 1-18.

Clark LA, Tsai KL, Steiner JM, Williams DA, Guerra T, Ostrander EA, Galibert F, Murphy KE (2004). Chromosome-specific microsatellite multiplex sets for linkage studies in the domestic dog. *Genomics*. 84:550-554.

Clark LA, Famula TR, Murphy KE (2004). A rapid single multiplex microsatellite-based assay for use in canine forensics. *Am J Vet Res*. 65:1446-1450.

Greer KA, Cargill EJ, Cox ML, Clark LA, Tsai KL, Dunstan RW, Venta PJ, Credille KM, Murphy KE (2003). Digging up the canine genome---a tale to wag about. *Cytogenet Genome Res.* 102:244-248.

Cargill EJ, Clark LA, Steiner JM, Murphy KE (2002). Multiplexing of canine microsatellite markers for whole genome screens. *Genomics*. 80:250-53.

Moeller EM, Steiner JM, Clark LA, Murphy KE, Famula TR, Williams DA, Stankovics M, Vose A (2002). Inheritance of pancreatic acinar atrophy in German Shepherd Dogs. *Am J Vet Res*. 63:1429-34.

C. Research Support. List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and responsibilities of principal investigator identified above.

Clark, L.A. (PI) and K.L. Tsai (Co-I). Analysis of degenerative myelopathy in the German Shepherd Dog using the SNP Array. Canine Health Foundation. 2007-2008.

Clark, L.A. Analysis of pancreatic acinar atrophy in the German Shepherd Dog using the SNP array. Canine Health Foundation. 2007-2008.

Clark, L.A. (PI), K.E. Murphy (Co-I) and C.A. Rees (Co-I). Dermatomyositis in the collie. Canine Health Foundation. 2007-2008.

Clark, L.A., K.E. Murphy and C.A. Rees (Co-Is). Investigation of candidate genes for dermatomyositis. American Shetland Sheepdog Association. 2006-2007.

Clark, L.A., K.E. Murphy and C.A. Rees (Co-Is). Analysis for linkage disequilibrium with dermatomyositis of the Collie. Collie Health Foundation. 2006-2007.

Clark, L.A. and K.E. Murphy (Co-Is). Identification of the gene responsible for the harlequin phenotype in the dog. Great Dane Charitable Trust. 2006-2007.

Clark, L.A. Use of the domestic dog as a model to understand the role of *SILV* in pigmentation associated auditory disorders. National Organization for Hearing Research. 2006-2007.

Clark, L.A. K.E. Murphy and C.A. Rees (Co-Is). Gene expression profile of dermatomyositis in the Shetland Sheepdog. Collie Health Foundation. 2005-2006.

Murphy KE, Clark, LA (Co-I). Analysis of a candidate gene for pancreatic acinar atrophy in the German Shepherd Dog. Funded by the American Kennel Club Canine Health Foundation. 2004.