

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 Kimberly A. Greer		POSITION TITLE Assistant Research Scientist, 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
Texas A&M University, College Station, Texas	Bachelor	1992	Genetics
Texas A&M University, College Station, Texas	Masters	1996	Genetics
Texas A&M University, College Station, Texas	Ph.D.	2002	Genetics

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:

December 1991- August 1992	Texas A&M University, College Station, Texas, Entomology, Student Research Assistant
August 1992- December 1992	Texas A&M University, College Station, Texas, Veterinary Anatomy and Public Health, Student Research Assistant
December 1992- December 1994	Texas A&M University, College Station, Texas, Veterinary Anatomy and Public Health, Research Assistant I and Lab Manager
January 1995- December 1996	Texas A&M University, College Station, Texas, Veterinary Anatomy and Public Health, Research Assistant II and Lab Manager
March 1998-July 1998	National Institutes of Health, Bethesda, Maryland, National Human Genome Research Institute, Visiting Scientist
January 1997- August 1999	Texas A&M University, College Station, Texas, Veterinary Anatomy and Public Health, Graduate Research Assistant
April 2001- May 2001	Genetic Savings and Clone, College Station, Texas, Consultant
June 2003	Eli Lilly and Company, Greenfield, Indiana, Investigative Toxicology, Visiting Scientist
May 2001- present	Texas A&M University, College Station, Texas, Veterinary Pathobiology Assistant Research Scientist

HONORS AND AWARDS:

1997-1998	Center for Environmental and Rural Health, Graduate Research Assistantship
1998-2001	Gamma Sigma Delta, The Honor Society of Agriculture
2000	Lexington Who's Who, Association of Business Leaders and Professionals
2003-present	NIH/NIA, National Research Service Award Postdoctoral Fellowship, Understanding Genetics of Aging: <i>Canis familiaris</i> model
July 2004	Summer Institute on Aging Research Award, NIH/NIA national competition for attending its fully sponsored summer institute
August 2004 Course,	Marine Biological Laboratories Course Fellowship Molecular Biology of Aging, Special Topics
	Ellison Medical Foundation international competition for attending its fully sponsored lecture and laboratory course

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

Lundberg Y.W., Cabrera R.M.^{*}, Greer K.A.^{*}, Zhao J, Garg R, R.H. Finnell. 2004. Mapping a chromosomal locus for alproic acid-induced exencephaly in mice. *Mammalian Genome* 15: 1-10. *indicates equal authorship
Greer, K.A., E.J. Cargill, M.L. Cox, L.A. Clark, K.L. Tsai, K.M. Credille, R.W. Dunstan, P.J. Venta and K.E. Murphy. 2003. Digging up the canine genome – a tale to wag about. *Cytogenetic and Genome Research* 102(1-4): 249-253.

- Pine, M., M. Schroeder, **K. Greer**, R. Hokanson, and D. Busbee. 2003. Generation and Partial Characterization of a Transformed Cetacean Cell Line. *Aquatic Toxicology* 67(4): 195-202.
- Barber, R.C., G.D. Bennett, **K.A. Greer**, R.H. Finnell. 1999. Expression patterns of folate binding proteins one and two in the developing mouse embryo. *Molecular Genetics and Metabolism* 66(1): 31-39.
- Barber, R.C., E.J. Lammer, G.M. Shaw, **K.A. Greer**, R.H. Finnell. 1999. The role of folate transport and metabolism in neural tube defect risk. *Molecular Genetics and Metabolism* 66(1): 1-9.
- Barber, R.C., G.M. Shaw, E.J. Lammer, **K.A. Greer**, T.A. Biela, S.W. Lacey, C.R. Wasserman, R.H. Finnell. 1998. Lack of Association Between Mutations in the Folate Receptor- α Gene and Spina Bifida. *American Journal of Medical Genetics* 76(4): 310-317.
- Finnell, R.H., **K.A. Greer**, R.C. Barber, J.A. Piedrahita. 1998. Neural tube and craniofacial defects with special emphasis on folate pathway genes. *Critical Reviews in Oral Biology Medicine* 9(1): 38-53.
- Greer, K.A.**, P.E. Bonnen, N. Jimenez, E.J. Lammer, S.W. Lacey, G.M. Shaw, and R.H. Finnell. 1995. Folate receptor gene variants and neural tube defect occurrence. *Teratology* 51(3): 162.
- Finnell, R.H., **K.A. Greer**, E. Lammer, S. Lacey, G. Shaw. 1994. Folate receptor gene variants and neural tube defect occurrence. *American Journal of Human Genetics* 55(3): 870.
- Musselman, A.C., G.D. Bennett, **K.A. Greer**, J. Eberwine, R.H. Finnell. 1994. Preliminary evidence of phenytoin-induced alterations in early embryonic gene expression in a mouse model. *Reproductive Toxicology* 8(5): 383-395.
- Bennett, G.D., **K.A. Greer**, R.H. Levy, J. Slattery. 1993. Stiripentol protection from the teratogenic effects of phenytoin and carbamezapine. *Teratology* 47(5): 406.

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.

PENDING

- 2002-2003 AKC-CHF, Grant No. 2501 (PI) Transmission Analysis of Breed Specific Necrotizing Encephalitis in the Pug Dog: Collection Phase
- 2002-2003 Pug Dog Club of Northern California, Research Grant Award (PI) Club award towards Transmission Analysis of Breed Specific Necrotizing Encephalitis in the Pug Dog: Collection Phase
- 2003-2004 AKC-CHF, Grant No. 2650 (PI) Transmission Analysis of Breed Specific Necrotizing Encephalitis in the Pug Dog
- 2002-2003 Greater St. Louis Pug Dog Club, Research Grant Award (PI) Club award towards Transmission Analysis of Breed Specific Necrotizing Encephalitis in the Pug Dog: Collection Phase
- 2003-2005 NIH/NIA, National Research Service Award Postdoctoral Fellowship (K.E. Murphy is sponsor) Understanding Genetics of Aging: *Canis familiaris* model