

**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 Erdal Erol		POSITION TITLE (Adjunct) 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.)			
INTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Firat University, Elazig, Turkey	DVM	1986	Veterinary Medicine
University of Missouri, MO	MSc	1998	Pathobiology
Texas A&M University, TX	Ph.D.	2004	Pathobiology

**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:**

1998-2002 Veterinary Scientist: Etlik Veterinary Research and Control Institute, Ankara, Turkey.  
2003-present Infectious Disease Diagnostician (Veterinary Microbiologist), Texas Veterinary Medical Diagnostic Laboratory, Texas A&M University, College Station, TX.  
2006-present Adjunct Assistant Professor, Texas A&M University, College of Veterinary Medicine, Department of Veterinary Pathobiology, College Station, TX.

**Honors and Awards:**

2006-2009 Editorial Board of Clinical and Diagnostic Laboratory Immunology.  
1996 Full scholarship from the World Bank for Masters Degree.

**Professional Organizations:**

American Society for Microbiology  
American Association of Veterinary Laboratory Diagnosticians

**Reviewer (*ad hoc*):**

J Vet Diagnostic Investigation  
Infection and Immunology

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

Brian R., Fosgate G., Jordan E., Libal M., Sneed L., Erol E. and Scott H.M. 2007. Field-testing of immunomagnetic bead separation-bead beating and IS900 PCR for diagnosis of *M. paratuberculosis* in Texas Dairy Cattle. *Am. L. Vet. Res.* 68(3) 236-45.

B. Binas and Erol E. 2007. FABs as determinants of myocellular and hepatic fuel metabolism. *Molecular and Cellular Biochemistry.* 299(1-2):75-84.

Erol E., Cline GW, Kim JK, Taegtmeier M, Binas B. Non-acute effects of H-FABP deficiency on skeletal muscle glucose uptake in vitro. *Am J Physiol Endocrinol Metab.* 2004 Nov;287(5): E977-82.

Erol E, Kumar L, Cline GW, Shulman GI, Kelly DP, Binas B. L-FABP is required for high rates of hepatic fatty acid oxidation but not for the action of PPAR alpha in genetically altered mice. *FASEB J.* 2003 Feb;18(2): 347-9.

Binas B, Han X, Luiken JFP, Glatz JFC, Dyck DJ, Erol E, Hood DA and Bonen A. A null mutation in H-FABP in mice only partially inhibits skeletal muscle fatty acid metabolism. *Am J Physiol Endocrinol Metab.* 2003 Sep;285(3): E481-9.

Martin GG, Danneberg H, Atshaves BP, Erol E, Bader M, Schroeder M, Binas B. Decreased Liver fatty acid binding capacity and altered liver lipid distribution in mice lacking L-FABP gene. *J Bio Chem.* 2003 Jun 13;278(24): 21429-38.

Babur C, Ozdemir V, Kilie S, Erol E, Esen B. Anti-*Leptospira* antibodies in slaughterhouse workers in Ankara *Mikrobiyol Bul.* 2003 Apr-Jun;37(2-3); 14350.

Ozdemir V and Erol E. *Leptospirosis* in Turkey. *Vet. Rec.* 2002 Feb;23;150(8): 248-9.

Erol E. Recombinant DNA technology. *Veteriner Klinik Dergisi.* 2001; 3(2) 32-35.

Erol E. How does the immune system recognize the foreign bodies? *Veteriner Klinik Dergisi* 2001; 3(1) 11-16.

Erol E, Kumar N, Carson CA. Immunology of recombinant *Babesia microti* hsp70 homologue in mice. *Int J Parasitol.* 1999 Feb;29(2); 263-6.