

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 Jeffrey MB Musser		POSITION TITLE Clinical 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
Frostburg State University, Frostburg, MD	B.S.	1984	Biology
Virginia Tech, Blacksburg, VA	D.V.M.	1989	Veterinary Medicine
North Carolina State University, Raleigh, NC	Ph.D.	2000	Pharmacology

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 AND ACADEMIC APPOINTMENTS

1990-1991	Internship, Food Animal Medicine, Agricultural Practices, College of Veterinary Medicine, Kansas State University, Manhattan, KS
1991-1993	Residency, Large Animal Medicine, Ambulatory Practice, College of Veterinary Medicine, Cornell University, Ithaca, NY
1994-1998	Food Animal Residue Avoidance Databank, College of Veterinary Medicine, North Carolina State University, Raleigh, NC
1998-2000	Fellowship, American Association for the Advancement of Science, U.S. Agency for International Development, Washington, DC
2000-2001	Lecturer, Department of Veterinary Pathobiology, The Texas Veterinary Medical Center, Texas A&M University
2001- present	Emergency Eradication Veterinary Medical Officer, USDA/APHIS/Veterinary Services Temporary, as need basis
2001 - present	Clinical Assistant Professor, Department of Veterinary Pathobiology, The Texas Veterinary Medical Center, TAMU

AWARDS AND HONORS

1984	Outstanding Senior Award, Frostburg State University
1995	Graduate Research Assistantship, College of Veterinary Medicine, North Carolina State University
1998	Diplomate, American Board of Veterinary Practitioners, Dairy specialty
2002	Certificate of Appreciation, U.S.D.A. Hurricane Mitch/Georges Reconstruction Project in Central America and the Caribbean
2002	United States Department of Agriculture, Secretary's Honor Award, for outstanding and dedicated efforts in responding to the Foot-and-mouth Disease outbreak
2003	Phi Beta Delta, Honor Society for International Scholars
2003	2003 – 2004 Montague Center for Teaching Excellence Scholar, College of Veterinary Medicine, Texas A&M University
2005	Texas Veterinary Medical Association Research Award
2006	President's Volunteer Service Award, Presidents Council on Service and Civic Participation
2007	International Excellence Award, Texas A&M University

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

1. Musser JMB. A practitioner's primer on foot-and-mouth disease. *J Am Vet Med Assoc*, 224; 1261-1268; 2004.
2. Musser JMB, Anderson KL, Boison JO. Comparison of microbial growth inhibition screening assays with high pressure liquid chromatography for detection of experimentally incurred penicillin G residues in calves. *Vet Therapeutics*, 3; 136-143; 2002.
3. Musser JMB, Anderson KL, Boison JO; Tissue disposition and depletion of penicillin G after oral administration with milk in unweaned dairy calves, *J Am Vet Med Assoc*, 219, 346-350, 2001.
4. Musser JMB, Anderson KL; Bioavailability and disposition of sodium and procaine penicillin G (benzylpenicillin) administered orally with milk to calves, *J Vet Pharmacol Therap*, 24, 161-169, 2001.
5. Boison JO, Souster K, Drury C, Musser JB, Anderson KL; An HPLC method for the determination of penicillin G residues in veal calf liver tissues, *J Liq Chrom Rel Technol*, 24, 881-892, 2001.
6. Musser JMB, Anderson KL, Moats WA; Screening method for identification of β -lactams in bovine urine by use of liquid chromatography and a microbial inhibition test, *Am J Vet Res*, 62, 326-330, 2001.
7. Musser JMB, Anderson KL, Rushing JE, Moats WA; Potential for milk containing penicillin G or amoxicillin to cause residues in calves, *J Dairy Science*, 84, 126-133, 2001.
8. Musser JMB, Anderson KL; Using drug residue screening tests to investigate antibiotic contamination of milk, *Veterinary Medicine*, 94, 474-479, 1999.
9. Musser JMB, Anderson KL, Tyczkowska KL; Pharmacokinetic parameters and milk concentrations of ketoprofen after administration as a single intravenous bolus dose to lactating goats, *J Vet Pharmacol Therap*, 21, 358-363, 1998.
10. Musser JMB, Anderson KL, Caballero M, Amaya D, Maroto-Puga J; Evaluation of a hand-held electrical conductivity meter for detection of subclinical mastitis in cattle, *Am J Vet Res*, 59, 1087-1091, 1998.
11. Musser JMB, Anderson KL; Effect of vaccination with an *Escherichia coli* bacterin-toxoid on milk production in dairy cattle, *J Am Vet Med Assoc*, 209, 1291-1293, 1996.
12. Musser J, Mechor GD, Grohn YT, Dubovi EJ, Shin S; Comparison of tilmicosin with long-acting oxytetracycline for treatment of respiratory tract disease in calves, *J Am Vet Med Assoc*, 208, 102-106, 1996.
13. Dascanio JJ, Mechor GD, Grohn YT, Kenney DG, Booker CA, Thompson P Chiffelle CL, Musser JMM, Warnick LD; Effect of phenylbutazone and flunixin meglumine on acute toxic mastitis in dairy cows, *Am J Vet Res*, 56, 1213-1217, 1995.
14. Musser JMB, Russell KE, Vetch JK, St Jean G; Squamous cell carcinoma in the anal/perianal region of a longhorn bull, *Cor Vet*, 83, 83-88, 1993.
15. Pejsa TG, St Jean G, Hoffsis GF, Musser JMB; Digit amputation in cattle: 85 cases (1971-1990), *J Am Vet Med Assoc*, 202, 981-984, 1993.
16. Musser JMB, St Jean G, Vestweber JG, Pejsa TG; Penile hematoma in bulls: 60 cases (1979-1990), *J Am Vet Med Assoc*, 201, 1416-1418, 1992.

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.

State Homeland Security Grant Program; Veterinarians as First Responders in Animal Health Emergency Management: Reducing the Vulnerability of Texas Agriculture To Acts of Terrorism; Principle Investigator. 2005 to 2006.

State Homeland Security Grant Program; Agroterrorism Awareness & Preparedness: A Training Program for Commodity Owners and Agricultural Workers; Co-Principle Investigator. 2005 to 2006.

Geraldine R. Dodge Foundation, Frontiers for Veterinary Medicine; Decision Analysis Concerning Disease Treatment on Organic Dairies and Dairies Moving Towards Organic Certification; co-investigator and Faculty Mentor. 2005.

Association Liaison Office for University Cooperation in Development/U.S. Agency for International Development, Institutional Partnerships in Higher Education for International Development; Animal Health Programs for Improving Malawi's Dairy and Livestock Industry; Principle Investigator. 2004-2006.

Principal Investigator/Program Director (Last, first, middle): Musser, Jeffrey MB

Geraldine R. Dodge Foundation, Frontiers for Veterinary Medicine; Working with Smallholder Farmers in Malawi to Improve Management and Treatment of Goats; co-investigator and Faculty Mentor. 2004.

USDA and University of Georgia; Veterinary Curriculum and the Future: Public Health, Food Security and Agroterrorism; Co-Investigator. 2003 to 2004.

USDA/Cooperative State Research, Education, and Extension Service (CSREES); Global Veterinary Medicine and Foreign Animal Diseases: Trade, Control, Careers; Principle Investigator. 2001-2004.