

**BIOGRAPHICAL SKETCH**

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

NAME <b>Debra A. Kamstock</b>		POSITION TITLE <b>Assistant Professor</b>		
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>				
INSTITUTION AND LOCATION		DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Florida, Gainesville, FL		N/A	1989 –1992	Animal Science
University of Florida, Gainesville, FL		DVM	1996	Veterinary Medicine
Colorado State University, Fort Collins, CO			1999-2002	Residency, Anatomic Pathology
Colorado State University, Fort Collins, CO		PhD	2006	Cancer Bio/Immuno

**A. Positions and Honors.****Positions and Employment**

1993	Student Investigator, Department of Ophthalmology, University of Florida
1994	Extern and Research Assistant, Department of Pathobiology, Texas A&M, College Station, TX
1995	Preceptor, Departments of Oncology, Hematology, and Neurology, The Animal Medical Center, New York, New York
1996-1997	Intern, Small Animal Medicine and Surgery, Rowley Memorial A.H./ MSPCA, Springfield, MA
1997-1998	Relief Veterinarian and President/Owner, Less Stress Veterinary Relief Services, Plantation, FL
1998-1999	Associate Veterinarian, Central Broward Animal Hospital, Plantation, FL
1999-2002	Resident in Veterinary Anatomic Pathology, Department of Microbiology, Immunology, and Pathology, Colorado State University, Fort Collins, CO
2001-2006	Post-doctoral Fellow, Tumor Immunology and Angiogenesis, Microbiology, Immunology, and Pathology, Colorado State University, Fort Collins, CO
2004-2005	Diagnostic Veterinary Pathologist, Idexx Laboratories, Denver CO
2005-2006	Staff Pathologist, Colorado State University Veterinary Diagnostic Lab, Fort Collins, CO
2006-2007	Assistant Professor, Special Appointment, Microbiology, Immunology, and Pathology, Colorado State University, Fort Collins, CO
2007-pres.	Assistant Professor, Tenure-track, Microbiology, Immunology, and Pathology, Colorado State University, Fort Collins, CO

**Board Certification**

2004 Diplomat, American College of Veterinary Pathologists; Anatomic Pathology

**Honors and Awards**

1989	Award of Excellence for Science and Agriculture, University of Florida, College of Agriculture
1989	Outstanding Academic Award, University of Florida, Junior Panhellenic
1989-1993	Florida Undergraduate Scholarship
1991	All American Scholar Collegiate Award, University of Florida, College of Agriculture - Nominee
1991	Alpha Zeta, Nominee
1992	Golden Key National Honor Society
1992	College of Agriculture E.T. York Award of Junior Merit, University of Florida, College of Agriculture
1995	SCAVMA (Student Chapter of the American Veterinary Medical Association) Senior Activity Award, University of Florida, College of Veterinary Medicine

**Honors and Awards (cont)**

- 1995 Rosenblatt Soon to be Senior Award, University of Florida, College of Veterinary Medicine (academic and activity achievement award)
- 1996 Suma Cum Laude, University of Florida, College of Veterinary Medicine
- 1999 First year, Full support, Fellowship program award, Colorado State University, Department of Pathology
- 2000 Virgil and Mitzi Yount Memorial Scholarship Award, Colorado State University, College of Veterinary Medicine and Biomedical Sciences
- 2003 First Place Poster Presentation, Phi Zeta Research Day, Colorado State University, College of Veterinary Medicine and Biomedical

**Professional Societies**

- 1996-pres. American Veterinary Medical Association
- 1996-pres. Florida Veterinary Medical Association
- 2001-pres. American Association of Veterinary Laboratory Diagnosticians
- 2002-pres. American Association for Cancer Research
- 2004-pres. American College of Veterinary Pathologists
- 2004-pres. American Society for Veterinary Clinical Pathology

**B. Selected peer-reviewed publications (in chronological order).**

- Kamstock DA**, Fredrickson R, Ehrhart EJ.: Lipid-rich carcinoma of the mammary gland in a cat. *Vet Path* 42(3): 360-362, 2005
- Kamstock D**, Guth A, Elmslie R, Kurzman I, Liggit D, Coro L, Fairman J, Dow S.: Liposome-DNA complexes infused intravenously inhibit tumor angiogenesis and elicit antitumor activity in dogs with soft tissue sarcoma. *Cancer Gene Ther.* 13(3): 306-317, 2006
- Kamstock D**, Elmslie R, Thamm D, Dow S.: Evaluation of a xenogeneic VEGF vaccine in dogs with soft tissue sarcoma. *Cancer Immunol Immunother.* 56(8): 1299-309, 2007
- Liptak JM, **Kamstock DA**, Dernell WS, Ehrhart EJ, Rizzo SA, Withrow SJ.: Cranial mediastinal carcinoma in nine dogs. *Vet Compar Oncol.* 6(1): 19-30, 2008
- Sullivan EK, **Kamstock DA**, Turner SA, Goldman SM, Kronengold RT.: Evaluation of a flexible collagen surgical patch for reinforcement of a fascial defect: experimental study in a sheep model. *J Biomed Mat Res Part B: Appl Biomater.* 87(1): 88-94, 2008
- Liptak JM, **Kamstock DA**, Dernell WS, Monteith GJ, Rizzo SA, Withrow SJ.: Reconstruction of Chest Wall Defects Following Rib Tumor Resection: A Comparison of Autogenous, Prosthetic, and Composite Techniques in 44 Dogs. *Vet Surg.* 37(5): 488-496, 2008
- Liptak JM, Dernell WS, Rizzo SA, Monteith GJ, **Kamstock DA**, Withrow SJ.: Reconstruction of chest wall defects after rib tumor resection: A comparison of autogenous, prosthetic, and composite techniques in 44 Dogs. *Vet Surg.* 37(5): 479-487, 2008
- Gardiner DW, Tiefke JP, Podell BK, **Kamstock DA**.: Equine fibropapilloma of the glans penis in a horse. *J Vet Diagn Invest.* 20(6): 2008 In Press
- Uren L, **Kamstock D**, Dow W.: Endogenous type I interferons inhibit the generation of tumor associated macrophages. *J Immunol.* In Review.

**C. Research Support****Current**

- Algeta \$354,285.00 4/1/2008 – 4/1/2009  
Long term radiotoxicity study of repeat dose intravenous radium-223 in normal dogs.  
Study ID MS-RA2.  
PI: Stewart Ryan  
Role: Co-Investigator

**Pending**

Morris Animal Foundation \$42,000.00

Lymph drainage patterns and sentinel lymph node detection in canine osteosarcoma.

Study ID: D08CA-058

PI: Stewart Ryan

Role: Co-Investigator

**C. Research Support (cont.)**

**Completed**

College Research Council, Colorado State University \$11,000.00 7/1/2007 – 6/30/2008

Lymph drainage patterns and sentinel lymph node detection in canine osteosarcoma.

PI: William Dernell

Role: Co-Investigator

Puttlitz Orthopedic Bioengineering Research Laboratory, Colorado State University. \$5000.00

An in vivo biocompatibility assessment of BioMEMS materials for monitoring the progression of fracture healing.

PI: Christian Puttlitz

Role: Co-Investigator

NIH, National Cancer Institute \$326,250.00 11/8/2000 – 7/31/2005

Tumor angiogenesis inhibition by systemic gene delivery

Study ID: CA86224-01

PI: Steve W. Dow

Role: Post-doctoral fellow

NIH, National Cancer Institute

Training grant – T32-CA09236, Environmental and Radiological Health Sciences, Colorado State University

PI: Dr. Joel Bedford

Role: Post-doctoral fellow