
BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors.
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NAME NICOLE EHRHART VMD, MS	POSITION TITLE Professor, Surgical Oncology
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EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Rutgers University	B.S.	1986	Animal Science
University of Pennsylvania	V.M.D.	1990	Veterinary Medicine
Animal Medical Center, NY, NY	Internship	1991	Clinical Medicine and Surgery
Colorado State University	Residency	1991-1994	Small Animal Surgery
Colorado State University	M.S.	1994	Clinical Sciences
Colorado State University	Post-doctoral fellowship	1994-1995 1995-1996	Clinical Sciences Surgical Oncology

Positions and Employment

- 2009-present Professor, Surgical Oncology, Department of Clinical Sciences, Animal Cancer Center, Colorado State University
- 2002-2009 Associate Professor, Surgical Oncology, Department of Clinical Sciences, Animal Cancer Center, Colorado State University
- 1996 - 2002 Assistant Professor, Surgical Oncology, Department of Veterinary Clinical Medicine University of Illinois
- 1994 - 1996 Surgical Oncology Fellow, Department of Clinical Sciences, Colorado State University

Honors

- 2006 Tenure
- 2004 Veterinary Orthopedic Society Award- Best Poster
- 2001 Pfizer Research Excellence Award-Nominee
- 2000 Helen and Norman Levine Research Award
- 1996, 1997 Fellowship, Clinical Oncology, Colorado State University
- 1995 Diplomate, American College of Veterinary Surgeons.
- 1993 Virgil and Mitzy Yount Scholarship, Colorado State University
- 1990 **Cum Laude** Graduating Honors, University of Pennsylvania
- 1986-1990 Deans List, University of Pennsylvania, all semesters
- 1989 Hills Science and Technology Scholarship, Scholastic Achievements Award
- 1990 Auxiliary to the American Veterinary Medical Association Award
- 1983-1986 Deans List, Rutgers University, all semesters -

Professional Activities

- 2010-2012 Immediate Past President, Veterinary Society of Surgical Oncology
- 2009-2010 Immediate Past President, Veterinary Orthopedics Society
- 2008-2010 President, Veterinary Society of Surgical Oncology
- 2008-2009 President-Elect, Veterinary Orthopedic Society
- 2007-2008 Reviewer, Clinical Orthopaedics and Related Research
- 2005-2006 Morris Animal Foundation Scientific Advisory Committee
- 2002, 2004, 2007 Grant Reviewer Musculoskeletal Transplant Foundation

Professional Society Memberships

- 1995 - present American College of Veterinary Surgeons
- 1997 - present Veterinary Orthopedic Society

1998 - present Veterinary Cancer Society
2006 - present Veterinary Society of Surgical Oncology

Selected publications within last five years (out of 45 published or in press)

- 1) **Ehrhart N.** Longitudinal Bone Transport for Treatment of Primary Bone Tumors in Dogs: A Classification of the Technique and Summary of Nine Cases, *Veterinary Surgery*, Vet Surg. 2005 Jan-Feb;34(1):24-34.
- 2) **Ehrhart N**, Eurell JA, Constable PD, Ehrhart EJ, Johnson AL, Gaddy D, Nicholas RW. The effect of preoperative host tissue irradiation on large segment allograft incorporation. *Clin Orthop Relat Res*. 2005 Jun;(435):43-51.
- 3) **Ehrhart N**, Hong L, Eurell JA, Jamison R, Morgan A. The Effect of sustained release TGF-beta 1 on bone formation in a preoperatively irradiated critical-sized defect. *J Am Vet Res* 2005 Jun; 66 (6): 929-1104
- 4) Jehn CT, Farese JP, Lewis DD, Kuntz C, **Ehrhart N.** Canine Osteosarcoma. *Veterinary Medicine*, 2005 April; 100 (4):295-307
- 5) Jehn CT, Lewis DD, Farese JP, Ferrell E, Conley W, **Ehrhart N.** Transverse bone transport osteogenesis: A morphologic comparison of two techniques for limb salvage in dogs. *Vet Surg* 2007 36:324-334
- 6) Farese JP, Bacon NJ, **Ehrhart NP**, Bush J, Ehrhart EJ, Withrow SJ. Oesophageal Leiomyosarcoma in Dogs: Surgical Management and Clinical Outcome of Four Cases. *Veterinary Comparative Oncology*, 2007, *in Press*
- 7) Bacon NJ, Dernell WS, **Ehrhart N**, Powers BE, Withrow SJ. Evaluation of primary re-excision after recent inadequate resection of soft tissue sarcomas in dogs: 41 cases (1999-2004) *J Am Vet Med Assoc*. 2007 Feb 15;230(4):548-54.
- 8) Bacon NJ, **Ehrhart NP**, Dernell WS, Lafferty M, Withrow SJ.. Use of alternating administration of carboplatin and doxorubicin in dogs with microscopic metastases after amputation for appendicular osteosarcoma: 50 cases (1999-2006).. *Am Vet Med Assoc*. 2008 May 15;232(10):1504-10.
- 9) Santoni BG, Turner AS, Wheeler DL, Nicholas RW, Anchordoquy TJ, **Ehrhart NP.** Gene therapy to enhance large segment allograft healing. *Clin Orthop Relat Res*. 2008 Aug;466(8):1921-9
- 10) B Santoni, N **Ehrhart**, AS Turner, D Wheeler. Effects of low energy pulsed ultrasound with and without increased porosity on structural bone allograft incorporation. *J Orthop Surg Res*. 2008 May 27; 3:20
- 11) **Ehrhart N**, Kraft S, Conover D, Rosier RN, Schwarz EM. Quantification of massive allograft healing with dynamic contrast enhanced-MRI and cone beam-CT: a pilot study. *Clin Orthop Relat Res*. 2008 Aug;466(8):1897-904.
- 12) Ryan S, **Ehrhart N**, Zuelsdorff K, James S. Comparison of alternate and simultaneous tensioning of wires in a single ring construct. *Vet Surg*. 2009 Jan;38(1):96-103

Research Support

- Allosource, Inc.
(Role: Principle Investigator)
Efficacy of a Novel Cell-Based Therapy for Healing of a Critical-Sized Femur Defect
Dates of Award: 2011-2012
(Role: Principle Investigator)
- Allosource, Inc.
Fate of Mesenchymal Stem Cells Following Implantation in a Femur Defect
Dates of Award: 2011-2012
- BioD, Inc.
Human Amnionic Stromal Cells in Bone Healing
(Role: Principle Investigator)
Dates of Award: 2011-2012
- Musculoskeletal Transplant Foundation
(Role: Principle Investigator)
Effect of Systemically Injected Stem Cells on Massive Allograft Incorporation
Dates of Award: 2010-2011
- Pfizer Animal Health
(Role: Co-Investigator)
Pulsed Toceranib and CCNU for Treatment of High Grade Mast Cell Tumors
Dates of Award: 2010-2011
- NIH SBIR
(Role: Co-Investigator)
Provoking anti-tumor immune response with FAS Ligand
Dates of Award: 2006-2011

- Algeta, Norway
(Role: Co-Investigator)
Long Term Radiotoxicity Study of repeat Dose Intravenous Radium-223 in Normal Dogs
Dates of Award: 2008-2009
- Algeta, Norway
(Role: Principal Investigator)
Biodistribution Study of Single Dose of Intravenous Radium-223 in Normal Dogs
Dates of Award: 2007-2009
- Kindy-French Foundation
(Role: Co-Investigator)
Bisphosphonate-Targeted Chemotherapy to Treat Osteosarcoma Pain
Dates of Award: 2008-2009
- RZN Nutraceuticals
(Role: Co-Principle Investigator)
Randomized, Placebo-Controlled Clinical Trial of the Efficacy of an Herbal Supplement in the Treatment of Pain and Lameness in Dogs
Dates of Award: 2008-2010
- College Research Council
(Role: Principle Investigator)
Role of Mesenchymal Stem Cells in the Incorporation of Histocompatibility Mismatched Massive Cortical Allografts
Dates of Award: 2008-2009