

Principal Investigator/Program Director (Last, First, Middle):

Principal Investigator/Program Director (Last, First, Middle):

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 Helga Kecova eRA COMMONS USER NAME	POSITION TITLE Research Fellow
---	-----------------------------------

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
University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic	DVM Ph.D.	2000 2006	Veterinary Medicine Small animal surgery and ophthalmology

A. Positions

Positions and Employment

- 2000 - 2006 **Graduate Research Assistant**
 University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic
- 2007- Present **Research Scientist**
 Iowa State University, Ames, IA

B. Selected peer-reviewed publications

1. NECAS A, ZATLOUKAL J, **KECOVA H**, DVORAK M: Predisposition of dog breeds to rupture of the cranial cruciate ligament. Acta vet. Brno, 2000, 69 (4): 305-310.
2. NECAS A, SRNEC R, **KECOVA H**: Diagnostic reliability of stifle arthroscopy of pathological changes in cruciate deficient knee. Acta Vet. Brno 2002, 71 (2): 249-254.
3. GAL P, TEYSCHL O, **KECOVA H**, FABIAN P, BIBROVA S: The influence of transphyseal pin placement on bone growth: an experimental study in pigs. Acta Vet. Brno 2002, 71 (3): 319-325
4. SOONTORNVIPART K, TUNTIVANICH N, **KECOVA H**, RAUSER P: Conjunctival pedicle graft in small animal practice: Retrospective study. Acta Vet. Brno 2003, 72: 63-69
5. SOONTORNVIPART K, RAUSER P, **KECOVA H**, LEXMAULOVA L: Effect of anesthetic premedication with medetomidine-buprenorphine on the aqueous tear production in dogs. Acta Vet. Brno 2003, 72: 267-272
6. NECAS A, RAUSER P, TICHY F, KOHOUT P, **KECOVA H**: Retrobulbar Rhabdomyosarcoma in a Hovawart. Acta Vet. Brno 2003, 72 (3): 399-404
7. **KECOVA H**, NECAS A: Phacoemulsification and intraocular lens implantation: recent trends in cataract surgery. Acta Vet. Brno 2004, 73 (1): 85-92
8. **KECOVA H**, HLINOMAZOVA Z, RAUSER P, NECAS A: Corneal inflammatory diseases – infectious keratitis in dogs. Acta Vet. Brno 2004, 73 (3): 359-363.
9. PASA L, NECAS A, PIPERISOVA I, **KECOVA H**, VISNA P, TICHY F: Experimental Meniscal Allografts in the Rabbit. Acta Vet. Brno 2005, 74: 87-95

10. ZATLOUKAL J, LORENZOVA J, TICHY F, NECAS A, **KECOVA H**, KOHOUT P: Breed and Age as Risk Factors for Canine Mammary Tumors. *Acta Vet. Brno* 2005, 74: 103-109.
11. JANCAR J, SLOVIKOVA A, AMLER E, KRUPA P, **KECOVA H**, PLANKA L, GAL P, NECAS A. Mechanical response of porous scaffolds for cartilage engineering. *Physiol Res.* 2007;56 Suppl 1:S17-25. Epub 2007 May 31.
12. KRUPA P, KRSEK P, JAVORNIK M, DOSTAL O, SRNEC R, USVALD D, PROKS P, **KECOVA H**, AMLER E, JANCAR J, GAL P, PLANKA L, NECAS A. Use of 3D geometry modeling of osteochondrosis-like iatrogenic lesions as a template for press-and-fit scaffold seeded with mesenchymal stem cells. *Physiol Res.* 2007;56 Suppl 1:S107-14. Epub 2007 May 31.
13. GROZDANIC SD, HARPER MH, **KECOVA H**. Antibody-Mediated Retinopathies in Canine Patients: Mechanism Diagnosis, and Treatment Modalities. [Vet Clin North Am Small Anim Pract.](#) 2008 Mar;38(2):361-87, vii.
14. PLANKA L, GAL P, **KECOVA H**, KLIMA J, HLUCILOVA J, FILOVA E, AMLER E, KRUPA P, KREN L, SRNEC R, URBANOVA L, LORENZOVA J, NECAS A. Allogeneic and autogenous transplantations of MSCs in treatment of the physeal bone bridge in rabbits. *BMC Biotechnol.* 2008 Sep 12;8:70.
15. LEXMAULOVA L, ZATLOUKAL J, PROKS P, DVORAK M, SRNEC R, RAUSER P, **KECOVA H**, NECAS A. Incidence of seizures associated with iopamidol or iomeprol myelography in dogs with intervertebral disk disease: 161 cases (2000-2002). *Journal of Veterinary Emergency and Critical Care* 2009 19 (6) 2009, pp 611–616.
16. GROZDANIC SD, **KECOVA H**, HARPER MH, NILAWEERA W, KUEHN MM AND KARDON RH. Early functional and structural changes in a canine model of hereditary primary angle-closure glaucoma. *Invest Ophthalmol Vis Sci.* 2010 Jan;51(1):255-63