

Dr. Jonathan Fox

Associate Professor
Department of Veterinary Science
University of Wyoming
1174 Snowy Range Road
Laramie, WY 82070
Email: jfox7@uwyo.edu
Tel: (307) 742-6666 ext. 141

EDUCATION

PhD 1997-2002, Veterinary Medical Sciences (Neurotoxicology), Virginia Polytechnic Institute and State University.
Bachelor of Veterinary Science. 1987-1993. University of Liverpool, UK.
Bachelor of Science. 1987-1990. University of Liverpool, UK

POSITIONS

Associate Professor, Department of Veterinary Science, University of Wyoming. August 2008-present.
Instructor in Neuroscience, Massachusetts General Hospital and Harvard Medical School. 2004-2008.
Research Fellow, Massachusetts General Hospital and Harvard Medical School. 2002-2004.
Graduate Student / Veterinary pathologist, Virginia Polytechnic Institute and State University. 1997-2002.
Veterinary Pathologist, Texas Veterinary Medical Diagnostic Laboratory. 1995-1997.
Resident in Veterinary Pathology, University of Florida. 1993-1995.

PROFESSIONAL MEMBERSHIPS

Society for Neuroscience
American College of Veterinary Pathologists (ACVP) (Anatomic Pathology)

PAPERS – NEUROLOGIC DISEASE

1. Chopra V*, **Fox JH***, Lieberman G, Dorsey K, Matson W, Waldmeier P, Housman DE, Kazantsev A, Young AB, Hersch S. A small-molecule therapeutic lead for Huntington's disease: preclinical pharmacology and efficacy of C2-8 in the R6/2 transgenic mouse. Proc Natl Acad Sci U S A. 2007 Oct 16;104(42):16685-9.
*equal contribution
2. **Fox JH**, Kama JA, Lieberman G, Chopra R, Dorsey K, Chopra V, Volitakis I, Cherny RA, Bush AI, Hersch S. Mechanisms of copper ion mediated Huntington's disease progression. PLoS ONE. 2007 Mar 28;2:e334.
3. Altmann SM, Muryshev A, Fossale E, Maxwell MM, Norflus FN, **Fox J**, Hersch SM, Young AB, MacDonald ME, Abagyan R, Kazantsev AG. Discovery of bioactive small-molecule inhibitor of poly ADP-ribose polymerase: implications for energy-deficient cells. Chem Biol. 2006; 13(7):765-70.
4. Zucker B, Luthi-Carter R, Kama JA, Dunah AW, Stern EA, **Fox JH**, Standaert

DG, Young AB, Augood SJ. Transcriptional dysregulation in striatal projection- and interneurons in a mouse model of Huntington's disease: neuronal selectivity and potential neuroprotective role of HAP1. *Hum Mol Genet* 2005; 14(2):179-89.

5. **Fox JH**, Barber DS, Singh B, Zucker B, Swindell MK, Norflus F, Buzescu R, Chopra R, Ferrante RJ, Kazantsev A, Hersch SM. Cystamine increases L-cysteine levels in Huntington's disease transgenic mouse brain and in a PC12 model of polyglutamine aggregation. *J Neurochem* 2004; 91(2): 413-22.

6. Norflus F, Nanje A, Gutekunst CA, Shi G, Cohen J, Bejarano M, **Fox J**, Ferrante RJ, Hersch SM. Anti-inflammatory treatment with acetylsalicylate or rofecoxib is not neuroprotective in Huntington's disease transgenic mice. *Neurobiol Dis.* 2004; 17(2): 319-25.

7. **Fox JH**, Jortner BS, Barber D, Ehrich MF. Altered expression of transcripts for α -tubulin and an unidentified gene in the spinal cord of phenyl saligenin phosphate treated hens (*Gallus gallus*). *J Biochem Molecular Toxicology* 2003; 17:263-271.

8. Rossmeisl JH Jr, Duncan R, **Fox J**, Herring ES, Inzana KD. Neuronal ceroid-lipofuscinosis in a Labrador Retriever. *J Vet Diagn Invest.* 2003 Sep; 15(5): 457-60.

9. Lehning EJ, Jortner BS, **Fox JH**, Arezzo JC, Kitano T, LoPachin RM. Gamma-diketone peripheral neuropathy. I. Quantitative morphometric analyses of axonal atrophy and swelling. *Appl PharmacolToxicol* 2000; 165:127-40.

10. **Fox J**, Duncan R, Friday P, Klein B, Scarrat W. Cerebello-olivary and lateral (accessory) cuneate degeneration in a juvenile American Miniature horse. *Vet Pathol* 2000; 37:271-274.

11. **Fox J**, Li YT, Dawson G, Alleman A, Johnsrude J, Schumacher J, Homer B. Naturally occurring GM2 gangliosidosis in two Muntjak deer with pathological and biochemical features of human classical Tay-Sachs disease (type B GM2 gangliosidosis). *Acta Neuropathol (Berl)* 1999; 97:57-62.

12. Johnsrude JD, Alleman AR, Homer BL, **Fox JH**, Schumacher J, Harvey JW. Cytological findings in cerebrospinal fluid from two animals with GM2 gangliosidosis. *Vet Clin Path* 1996; 25:80-3.

PAPERS – OTHER

1. Duncan RB, Jr., **Fox JH**, Lindsay DS, Dubey JP, Zuccaro ME. 2000. Acute sarcocystosis in a captive white-tailed deer in Virginia. *J Wildl Dis* 36: 357-61

2. **Fox JH**, Homer BL, Kutchinski, K. 1999. A retrospective necropsy study of the ostrich (*Struthio camelus*) bursa of Fabricius. *Avian Pathology* 28(5): 491-4

3. Schumacher J, Bennett RA, Fox LE, Deem SL, Neuwirth L, **Fox JH**. 1998. Mast cell tumor in an eastern kingsnake (*Lampropeltis getulus getulus*). *J Vet Diagn Invest* 10: 101-4

4. Deern SL, Heard DJ, **Fox JH**. 1997. Avian pox in eastern screech owls and barred owls from Florida. *J Wildl Dis* 33: 323-7

5. **Fox JH**, Greiner EC, Bain P, Jones R. 1996. Malaria in a captive emu (*Dromaius novaehollandiae*) from Florida. *Avian Dis* 40: 477-9