

BIOGRAPHICAL SKETCH

Donal O'Toole		Professor, Department of Veterinary Sciences, UW Pathologist, WSVL	
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Trinity College Dublin, Ireland	MVB	1977	Veterinary Medicine
Colorado State University, USA	PhD	1982	Veterinary Pathology
Royal College of Pathologists, United Kingdom	MRCPath FRCPath	1986 1996	Veterinary Pathology Veterinary Pathology
European College of Veterinary Pathologists, EU	Dip ECVP	1996	Veterinary Pathology

Academic Positions:

2005 – to date	Professor, Department of Veterinary Sciences, University of Wyoming, Laramie, Wyoming.
2002 – 2007	Department head, Department of Veterinary Sciences, College of Agriculture, University of Wyoming. Director, Wyoming State Veterinary Laboratory, Laramie, Wyoming
1998 - 2005	Professor, Department of Veterinary Sciences, University of Wyoming, Laramie, Wyoming.
1994 - 1998	Associate Professor, Department of Veterinary Sciences, University of Wyoming, Laramie, Wyoming. Tenure.
1990 - 1994	Assistant Professor, Department of Veterinary Sciences, University of Wyoming, Laramie, Wyoming.
1983 - 1988	Research Officer, Department of Pathology, Central Veterinary Laboratory, Ministry of Agriculture, Fisheries and Food, New Haw, Weybridge, Surrey, United Kingdom. .
1978 - 1982	Pathology resident and post-doctoral trainee, Department of Pathology, Colorado State University, Fort Collins, Colorado.

Professional Activities:

- Former president, American Association of Veterinary Laboratory Diagnosticians (AAVLD)
- Program chair, 2005 AAVLD meeting
- Former executive board member, AAVLD
- Former chair, AAVLD Pathology committee
- Former executive board member, Wyoming Veterinary Medical Association
- Former editorial board, *Veterinary Pathology*
- Former member - Technical Committee, Wyoming Brucellosis Coordination Team (2004-2005)
- *Ad hoc* reviewer for J Vet Diagn Invest, Vet Pathol and J Wildl Dis

Job split:

60%: diagnostic pathology; 20%: applied research; 19%: teaching; 1%: pre-veterinary student advising

Teaching:

1. *Diseases of Food Animals* – PATB 4110/5110; upper division undergraduate and graduate student class; 3 credits. Fall semester. Chief instructor; ~50 students.
2. *Mammalian Pathology* – PATB 4130/5110; upper division undergraduate and graduate student class; 3 credits. Spring semester. Co-instructor; ~25 students
3. *Health and Disease of Horses* – PATB 4111/ANSC 4111; upper division undergraduate and graduate class; 2 credits. Co-instructor: ~25 students
4. *Livestock Production* ANSC1010; lower division undergraduate class; 3 credits; Fall semester. Guest lecturer; ~60 students
5. *Medical Virology* PATB 4710/5710; upper division and graduate class; 3 credits; Fall semester. Guest lecturer; ~40 students.
6. *Discovering Careers in Veterinary Medicine* PATB 1001; freshman class; 1 credit; Fall semester. Guest lecturer; 15 students.

Extension:

Case reports and disease updates, summer and winter meetings, Wyoming Veterinary Medical Association.

Most recent 20 peer publications (total: 90)

70. Traul DL, Li H, Dasgupta N, **O'Toole D**, Eldridge JA, Besser TE, Davies CJ: 2007, Resistance to malignant catarrhal fever in American bison (*Bison bison*) is associated with MHC class IIa polymorphisms. *Anim Genet.* 38(2):141-146.
71. Li H, Karney G, **O'Toole D**, Crawford TB: 2008, Long distance spread of malignant catarrhal fever virus from feedlot lambs to ranch bison. *Can Vet J.* 2008 Feb;49(2):183-185
72. **O'Toole D**, Williams ES, Woods LW, Mills K et al: 2008, Tularemia in range sheep. An overlooked syndrome? *J Vet Diagn Invest.* 20(4):508-513.
73. Edmunds DR, Williams ES, **O'Toole D**, Mills KW, Boerger-Fields AM, Jaeger PT, Bildfell RJ, Dearing P, Cornish TE: 2008, Ocular plague (*Yersinia pestis*) in mule deer (*Odocoileus hemionus*) from Wyoming and Oregon. *J Wildl Dis.* 44(4):983-7
74. Cunha, C.W., Traul, D.L., Taus, N.S., Oaks, J.L., **O'Toole, D.**, Davitt, C.M., Li, H.: 2008, Detection of ovine herpesvirus 2 major capsid gene transcripts as an indicator of virus replication in shedding sheep and clinically affected animals. *Virus Research* 132: 69 - 75
75. **O'Toole D**, Allen T, Hunter R, Corbeil L: 2009, Acute myocarditis and histophilosis in feedlot cattle. *Vet Pathol* 46(5):1015-1017.
76. Gailbreath KL, **O'Toole D**, Taus NL, Knowles DP, Oaks JL, Li H: 2010. Experimental infection of American bison (*Bison bison*) with low doses of ovine herpesvirus 2 from sheep nasal secretions. *Vet Microbiol.* Jul 14;143(2-4):389-93.
77. Meyers SN, Beever JE, Godtel RA, Marron BM, McDanel TG, O'Connell JR, Smith TP, Sonstegard TS, Steffen DJ, **O'Toole D**, Swist SL: 2010: A deletion mutation in bovine SLC4A2 is associated with osteopetrosis in Red Angus cattle. *BMC Genomics.* 2010 May 27;11(1):337.
78. Nelson DD, Davis WC, Brown W, Li H, **O'Toole D**, Oaks JL, 2010: CD8+/perforin+/WC1-gamma-delta T, CD4+ alpha-beta T, and B lymphocytes infiltrate vasculitis lesions of American bison (*Bison bison*) with experimentally-induced sheep-associated malignant catarrhal fever. *Vet Immunol Immunopathol.* 2010 Apr 1. [Epub ahead of print]
79. **D O'Toole**: 2010, Monitoring and investigating natural disease by veterinary pathologists in diagnostic laboratories. *Vet Pathol* 47 (1): 40 – 44. Invited.
80. M. Kiupel, J. Webster, R. Miller, K. L. Bailey, S. Best, J. DeLay, C. J. Detrisac, D. Gamble, P. E. Ginn, M. H. Goldschmidt, M. J. Hendrick, E. W. Howerth, E. B. Janovitz, S. D. Lenz, T. P. Lipscomb, E. Miller, W. Misdorp, S. Moroff, I. Neyens, **D. O'Toole**, J. Ramos-Vara, T. Scase, Y. Schulman, K. Smith, P. Snyder, E. Southorn, N. L. Stedman, B. A. Steficek, P. C. Stromberg, V. E. Valli, S. E. Weisbrode, J. Yager, J. Heller: 2010, A proposed two-tiered histologic grading system for canine cutaneous mast cell tumors to more accurately predict biological behavior. *Vet Pathol* 48 (1): 147-155. Epub 2010 Dec 1
81. Kamstock DA, Ehrhart EJ, Getzy DM, Bacon NJ, Rassnick KM, Moroff SD, Liu SM, Straw RC, McKnight CA, Amorim RL, Bienzle D, Cassali GD, Cullen JM, Dennis MM, Esplin DG, Foster RA, Goldschmidt MH, Gruber AD, Hellmén E, Howerth EW, Labelle P, Lenz SD, Lipscomb TP, Locke E, McGill LD, Miller MA, Mouser PJ, **O'Toole D**, Pool RR, Powers BE, Ramos-Vara JA, Rocchianca P, Ross AD, Sailasuta A, Sarli G, Scase TJ, Schulman FY, Shoieb AM, Singh K, Sledge D, Smedley RC, Smith KC, Spangler WL, Steficek B, Stromberg PC, Valli VE, Yager J, Kiupel M: Recommended guidelines for submission, trimming, margin evaluation, and reporting of tumor biopsy specimens in veterinary surgical pathology. *Vet Pathol.* 2011 Jan;48(1):19-31.
82. B. Zekarias, **D. O'Toole**, J. Lehmann, L.B. Corbeil: 2011, Histophilus somni IbpA Fic cytotoxin is conserved in disease strains and most carrier strains from cattle, sheep and bison. *Vet Microbiol* 149(1-2):177-85.
83. Li H, Cunha CW, Gailbreath KL, **O'Toole D**, Vanderplasschen A, Dewals B, Knowles DP, Taus NS: 2011, Characterization of ovine herpesvirus 2-induced malignant catarrhal fever in rabbits. *Vet Microbiol* 150 (13-4), 270-277
84. Yao C, **O'Toole D**, Driscoll M, McFarland W, Fox J, Cornish T, Jolley W: 2011, Filaroides osleri (*Oslerus osleri*): Two case reports and a review of canid infections in North America. *Vet Parasitol* 179(1-3):123-129
85. **O'Toole D**, Swist S, Steadman L, Johnson GC: 2010. Neuropathology and craniofacial lesions in Red Angus osteopetrosis *Vet Pathol.* Jul 18 2011 - Epub ahead of print.
86. **O'Toole D**, Miller MM; Cavender J; Cornish T: BoHV-1 abortion following vaccination of pregnant cattle with modified live vaccine. Pathology in Practice submission. *J Am Vet Med Assoc. J Am Vet Med Assoc.* 241(2):189-91

87. Li H, Brooking A, Cunha CW, Highland MA, **O'Toole D**, Knowles DP, Taus NS: 2011, Experimental induction of malignant catarrhal fever in pigs with ovine herpesvirus 2 by intranasal nebulization. 2012 Apr 19. [Epub ahead of print]
88. Cunha CW, **O'Toole D**, Schneider DA, White SN, Taus NS, Knowles DP, Hong Li: 2011, Ovine herpesvirus 2 infection in American bison: virus and host dynamics in the development of sheep-associated malignant catarrhal fever. Vet Microbiol. 2012 Apr 25. [Epub ahead of print]
89. Malherbe C, Marquard J, Cammack K, **O'Toole D**: 2012. Right ventricular hypertrophy with heart failure in Holstein heifers at 1,600 m. J Vet Diagn Invest 24 (5), Sept issue. [Corresponding author].
90. Schumaker BA, Miller MM, Grosdidier P, Cavender J, Farr RM, **O'Toole D** 2012. An outbreak of canine distemper originating in a large scale dog breeding operation. J Vet Diagn Invest 24 (6), November issue. [Corresponding author]

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