

## Milton M. McAllister

### PERSONAL and CONTACT DETAILS

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### PROFESSIONAL CREDENTIALS

1994 Certification by examination, American College of Veterinary Pathologists  
1991 PhD, Colorado State University  
1984 Doctor of Veterinary Medicine, University of Missouri at Columbia

### EMPLOYMENT HISTORY

2009-present Assoc Prof, School of Animal & Veterinary Sciences, University of Adelaide, South Australia  
1998-2009 Assoc Prof, College of Veterinary Medicine, University of Illinois  
1993-1998 Assist & Assoc Prof, Department of Veterinary Sciences, University of Wyoming  
1992-1993 Clin Assist Prof, California Veterinary Diagnostic Laboratory System

### RECOGNITION

*Speaking invitations* 25 keynote and plenary lectures in 16 countries  
*Invited publications* Author or co-author of 8 invited articles and 3 book sections  
*Highlights* 2000: Discovery featured by USDA & National Research Council  
2014: [Article of the month](#) for Parasitology, Cambridge U. Press  
*Publication metrics* Web-of-Science: H index = 30, i100 = 8, i10 = 43,  
mean citations per article = 59

### SELECTED ARTICLES

McAllister MM, Funnell O, Donahoe SL, Šlapeta J. Unusual presentation of neosporosis in a neonatal puppy from a litter of bulldogs. *Aust Vet J*, 94:411-414, 2016. doi: 10.1111/avj.12516

McAllister MM. Diagnosis and control of bovine neosporosis. *Vet Clin North Am Food Anim Pract*, 32:443-463, 2016. doi: 10.1016/j.cvfa.2016.01.012

Wait LF, Srouf A, Smith IG, Cassey P, Sims SK, McAllister MM. A comparison of antiserum and protein A as secondary reagents to assess *Toxoplasma gondii* antibody titers in cats and spotted hyenas. *J Parasitol*, 101:390-392, 2015.

Reichel MP, McAllister MM, Nasir A, Moore DP. A review of *Neospora caninum* in water buffalo (*Bubalus bubalis*). *Vet Parasitol*, 212:75-79, 2015.

McAllister MM. Successful vaccines for naturally-occurring protozoal diseases of animals should guide human vaccine research. A review of protozoal vaccines and their designs. *Parasitol*, 141:624-640, 2014. *Open access*: <http://dx.doi.org/10.1017/S0031182013002060>

Reichel MP, McAllister MM, Pomroy WE, Campero C, Ortega-Mora LM, Ellis JT. Control options for *Neospora caninum* – is there anything new or are we going backwards? *Parasitol*, 141:1455-1470, 2014. doi: 10.1017/S0031182014000158

Awobode HO, Paul AJ, Sengoku-Graham H, Clem RW, Mateus-Pinilla NE, McAllister MM. Serial monoxenous transmission of *Toxoplasma gondii* in cats. *J Parasitol*, 99:1122-1124, 2013. doi: 10.1645/13-280.1

Fredebaugh SL, Mateus-Pinilla NE, McAllister M, Warner RE, Weng HY. Prevalence of the antibody to *Toxoplasma gondii* in terrestrial wildlife in a natural area. *J Wildlife Diseases*, 47:381-92, 2011.

Chen CY, Huang D, Wang RC, Shen L, Zeng G, Yao S, Halliday L, Fortman J, McAllister M, Estep J, Hunt R, Vasconcelos D, Du G, Porcelli SA, Larsen MH, Jacobs WR Jr, Haynes BF, Letvin NL, Chen ZW. A critical role for CD8 T cells in a nonhuman primate model of tuberculosis. *PLoS Pathogen*, e1000392, 2009. doi: 10.1371/journal.ppat.1000392

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- Turner JK, McAllister MM, Xu JL, Tapping RI. Resistance of BALB/cJ mice to *Yersinia pestis* maps to the major histocompatibility complex of chromosome 17. *Infect & Immun*, 76:4092-99, 2008. doi: 10.1128/IAI.00488-08
- Paulman A, McAllister MM. *Plasmodium gallinaceum*: clinical progression, recovery, and resistance to disease in chickens infected via mosquito bite. *Am. J. Trop. Med & Hyg*, 73:1104-7, 2005.
- McAllister MM. A decade of discoveries in veterinary protozoology changes our concept of “subclinical” toxoplasmosis. *Vet Parasitol*, 132:241-7, 2005
- Björkman C, Gondim LFP, Trees AJ, McAllister MM. IgG avidity pattern in cattle after ingestion of *Neospora caninum* oocysts. *Vet Parasitol*, 128:195-200, 2005
- Gondim LF, McAllister MM, Gao L. Effects of host maturity and prior exposure history on the production of *Neospora caninum* oocysts by dogs. *Vet Parasitol*, 134:33-9, 2005
- Gondim LFP, McAllister MM, Pitt WC, Zemlicka DE. Coyotes (*Canis latrans*) are definitive hosts of *Neospora caninum*. *Internat J Parasitol*, 34:159-61, 2004
- Gondim LFP, McAllister MM, Mateus-Pinilla NE, Pitt WC, Mech LD, Nelson ME. Transmission of *Neospora caninum* between wild and domestic animals. *J Parasitol*, 90:1361-5, 2004
- Gondim LFP, McAllister MM, Anderson-Sprecher RC, Björkman C, Lock TF, Firkins LD, Gao L, Fischer W. Transplacental transmission and abortion in cows administered *Neospora caninum* oocysts. *J Parasitol*, 90:1394-1400, 2004
- Björkman C, McAllister MM, Frössling J, Näslund K, Leung F, Uggla A. Application of the *Neospora caninum* IgG avidity ELISA and assessment of chronic reproductive losses following an outbreak of neosporosis in a herd of beef cattle. *J Vet Diagnostic Investigation*, 15:3-7, 2003
- Tunev SS, McAllister MM, Anderson-Sprecher RC, Weiss LM. *Neospora caninum* in vitro: evidence that the destiny of a parasitophorous vacuole depends upon the phenotype of the progenitor zoite. *J Parasitol* 88:1095-9, 2002
- Gondim LFP, Gao L, McAllister MM. Improved production of *Neospora caninum* oocysts, cyclical oral transmission between dogs and cattle, and in vitro isolation from oocysts. *J Parasitol* 88:1159-63, 2002
- McAllister MM, Björkman C, Anderson-Sprecher R, Rogers, DG: Evidence of point source exposure to *Neospora caninum* and protective immunity in a herd of beef cows. *J American Vet Med Assoc* 217:881-7, 2000
- McAllister MM, Dubey JP, Lindsay DS, Jolley WR, Wills RA, McGuire AM: Dogs are definitive hosts of *Neospora caninum*. *Internat J Parasitol* 28:1473-8, 1998
- McGuire AM, McAllister MM, Jolley WR: Separation and cryopreservation of *Neospora caninum* tissue cysts from murine brain. *J Parasitol* 83:319-21, 1997
- McGuire AM, McAllister MM, Jolley WR, Anderson-Sprecher RC: A protocol for the Production of *Neospora caninum* tissue cysts in mice. *J Parasitol* 83:647-51, 1997
- McAllister MM, McGuire AM, Jolley WR, Lindsay DS, Trees AJ, Stobart RH: Experimental neosporosis in pregnant ewes and their offspring. *Vet Pathol* 33:647-55, 1996
- McAllister MM, Huffman EM, Hietala SK, Conrad PA, Anderson ML, Salman MD: Evidence suggesting a point source exposure in an outbreak of bovine abortion due to neosporosis. *J Vet Diagnostic Investigation* 8:355-7, 1996
- McAllister MM, Parmley SF, Weiss LM, Welch VJ, McGuire AM: An immunohistochemical method for detecting bradyzoite antigen (BAG5) in *Toxoplasma gondii*-infected tissue cross-reacts with a *Neospora caninum* bradyzoite antigen. *J Parasitol* 82:354-5, 1996