

BIOGRAPHY

03/07/2012.



Title and name

Dr Marion Simmons

Nationality

British.

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BIOHAZ.

Education

Bachelor of Veterinary Medicine and Surgery (BVMS)	1983	University of Glasgow
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Master of Veterinary Medicine (MVM)	1985	University of Glasgow
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PhD	1988	University of Glasgow
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Fellowship of the Royal College of Pathologists (Published Works)

2011	Royal College of Pathologists
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Scientific and risk assessment experience

After graduating as a veterinarian, I pursued a career in research focussing on the pathology of neurological disorders in animals.

Since the height of the BSE epidemic, I have worked exclusively on TSE in food animal species, and the strain typing of naturally-occurring isolates. Much of this work has been undertaken in the primary context of disease surveillance and control, and has been undertaken within, but also informed, policy context at a national and international level.

I am directly involved in the provision of diagnostic consultancy to other countries through national, EU and OIE Reference Laboratory roles.

I have been a member of several SSC and EFSA working groups relating to various aspects of TSE risk assessment, surveillance and disease control.

I lead various UK research projects, and participate in others. I am also actively involved with EU research consortia.

Main scientific publications

Konold T, Bone GE, Clifford D, Chaplin MJ, Cawthraw S, Stack MJ, Simmons MM (2012) Experimental H-type and L-type bovine spongiform encephalopathy in cattle: observation of two clinical syndromes and diagnostic challenges. BMC Vet Res 8:22

Stack MJ, Moore SJ, Vidal-Diez A, Arnold ME, Jones EM, Spencer YI, Webb P, Spiropoulos J, Powell L, Bellerby PJ, Thurston L, Cooper J, Chaplin MJ, Davis LA, Everitt S, Focosi-Snyman R, Hawkins SAC,

Simmons MM, Wells GAH (2011) Experimental bovine spongiform encephalopathy: detection of PrPSc in the small intestine relative to exposure dose and age. *Journal of Comparative Pathology* 145 (2-3) 289-301

Spiropoulos J, Lockey R, Sallis RE, Terry LA, Thorne L, Holder TM, Beck KE, Simmons MM (2011) Isolation of Prion with BSE Properties from Farmed Goat. *Emerg Infect Dis.* 2011 (12):2253-61.

Simmons MM, Moore SJ, Konold T, Thurston L, Terry LA, Thorne L, Lockey R, Vickery C, Hawkins SAC, Chaplin MJ, Spiropoulos J (2011) Experimental oral transmission of atypical scrapie to sheep. *Emerging Infectious Diseases* 17, 848-854. doi:10.3201/eid1705.101654

Simmons MM, Spiropoulos J, Webb P, Spencer YI, Czub S, Mueller R, Davis A, Arnold ME, Marsh S, SAC Hawkins, Cooper JA, Konold T, Wells GAH. (2011) Experimental classical bovine spongiform encephalopathy: definition and progression of neural PrP immunolabeling in relation to diagnosis and disease controls. *Vet Pathol* 48: 948-963

Simmons MM, Stack MJ, Konold T, Webster KA (2010). Bovine Spongiform Encephalopathy. In: *Manual of standards for diagnostic tests and vaccines for terrestrial animals (mammals, birds and bees)*, 7th ed, Chapter 2.4.6, OIE

Simmons MM, Stack MJ, Konold T, Matthews D (2009). Scrapie. In: *Manual of standards for diagnostic tests and vaccines for terrestrial animals (mammals, birds and bees)*, 7th ed, Chapter 2.7.13, OIE

Simmons MM, Konold T, Thurston L, Bellworthy SJ, Chaplin MC and Moore SJ (2010) The natural atypical scrapie phenotype is preserved on experimental transmission and sub-passage in PRNP homologous sheep. *BMC Vet Res* 6:14

Simmons MM, Spiropoulos J, Hawkins SAC, Bellworthy SJ and Tongue SC.(2008) Approaches to investigating transmission of spongiform encephalopathies in domestic animals using BSE as an example. *Vet Res* 39:34

Wells G. A.H, Konold T., Arnold M. E., Austin A. R., Hawkins S.A.C., Stack M, Simmons M.M., Lee Y.H, Gavier-Widén D., Dawson M., Wilesmith J.W. (2007) Bovine spongiform encephalopathy: the effect of oral exposure dose on attack rate and incubation period in cattle. *J Gen Virol* ; 88: 1363-1373