



## Prof Peter Thompson

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### Key Publications

Mai, H.M., Irons, P.C., Kabir, J. & Thompson, P.N. 2013. Herd-level risk factors for *Campylobacter fetus* infection, *Brucella* seropositivity and within-herd seroprevalence of brucellosis in cattle in northern Nigeria. *Preventive Veterinary Medicine* 111: 256-267.

Abu Samra, N., Jori, F., Xiao, L., Rikhotso, O. & Thompson, P.N. 2013. Molecular characterization of *Cryptosporidium* species at the wildlife/livestock interface of the Kruger National Park, South Africa. *Comparative Immunology, Microbiology and Infectious Diseases* 36: 295-302.

Thompson, P.N., Sinclair, M. & Ganzevoort, B. 2008. Risk factors for seropositivity to H5 avian influenza virus in ostrich farms in the Western Cape Province, South Africa. *Preventive Veterinary Medicine* 86: 139-152.

## Veterinary Epidemiology

Peter Thompson obtained his BVSc at the University of Pretoria in 1990 and was appointed as a senior lecturer in the Department of Medicine, Faculty of Veterinary Science, in 1992. He specialised in production animal medicine and obtained his MMedVet in 1999, after which he shifted his focus to epidemiology and obtained his PhD through Utrecht University in 2006. He is presently an associate professor of veterinary epidemiology in the Department of Production Animal Studies, where he teaches epidemiology in the undergraduate veterinary curriculum and at postgraduate level, and supervises students on projects involving epidemiology across a range of species.

### Research

Epidemiology is the study of the determinants of health and disease in populations. The field utilises a broad range of tools to measure, describe and explain the patterns of disease occurrence in populations, both animal and human. In Africa, infectious diseases are of major concern and those that occur at the wildlife/livestock/human interface are a particular focus of his research. Many such diseases are emerging or re-emerging zoonotic (transmitted between animals and humans) and/or trade-sensitive diseases which have a profound economic and socio-economic effect, such as foot-and-mouth disease, brucellosis, Rift Valley fever, Newcastle disease and avian influenza. His research is aimed at identifying the factors that determine the distribution and spread of such diseases, with the aim of better being able to predict, prevent and control them.

