

Dr Leith Meyer

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Academic Memberships: South African Veterinary Council, Veterinary Council of Namibia, South African Veterinary Association, SAVA Wildlife Group, South African Association for Laboratory Animal Science, Royal Society of South Africa, South African Wildlife Management Association, Physiological Society of South Africa and Zoological Society of South Africa

Biography

Leith qualified as a veterinarian from the University of Pretoria in 2000. He spent two years travelling and working in private practice in the UK before returning to South Africa in 2003 to join the University of Witwatersrand's School of Physiology as a lecturer. Leith spent two and a half years lecturing and then was appointed as a research officer in the Brain Function Research Group, School of Physiology. During that time he became involved in the activities of the group particularly those related to research on wildlife ecophysiology and the consequences of game capture. He completed a PhD on the "reduction of the side-effects of capture" in 2010. From 2008-2012 he was employed as the Director of the Animal Unit at Wits; throughout this time he continued with his research interests. Leith is currently employed by the University of Pretoria, Faculty of Veterinary Science, Department of Paraclinical Science as a Senior Lecturer in Pharmacology. He is spear-heading research related to wildlife pharmacology, chemical immobilization and the consequences of game capture and is continuing his research interests in wildlife ecophysiology through his collaborative and honorary involvement with the Brain Function Research Group, Wits.

Teaching

Leith teaches pharmacology to both undergraduate and post-graduate veterinary students. He is the course co-ordinator for post-graduate pharmacology courses and supervises a number of post-graduate masters and PhD students in the department. He guest lectures in the university's Wildlife Management Honours course and in the wildlife undergraduate elective course at the faculty. He has also lectured in the SAVA Wildlife Group Chemical Immobilization Course and is the course leader for the department's ["Advanced Course in Wildlife Chemical Immobilization and Field Practices"](#)

Research Interests

Leith is an independent researcher in the department of Paraclinical Sciences, University of Pretoria and a senior honorary member of the Brain Function Research Group, School of Physiology, University of the Witwatersrand. His research activities are mainly dedicated to wildlife pharmacology, and chemical immobilization, the consequences of capture and conservation physiology. Currently he is involved in a number of research studies within these fields both as a primary investigator and as a co-worker.

Broadly his research interests include the physiological consequences of capturing, immobilizing and anaesthetizing wildlife, temperature regulation and the physiology of free-living mammals and birds. His primary research interest is studying novel ways of reducing the side-effects of wildlife capture and anaesthesia. Currently Leith is involved in a number of collaborative studies related to these interests