



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Faculty of Veterinary Science

AgriSeta Post-doc fellowship (2022-2024)
in the
Department Veterinary Tropical Diseases
Deadline: 31 January 2022

Research subject(s): Transcriptomics, proteomics, immuno-bioinformatics and/or vaccinology

Fellowship duration: 3 years (starting date: 01 March 2022)

Minimum academic requirements: PhD degree in a relevant field, preferably obtained within the last five years.

Restriction: Fellowship open to South African citizens only

Value of fellowship: R200 000/annum, non-taxable

Responsibilities: The post-doc fellow will be expected to support MSc and PhD research projects under the *Theileria parva* research group by training students in lab techniques and data analysis methods.

Research background: Cattle theileriosis caused by the tick-transmitted intracellular parasite, *Theileria parva*, is one of the most economically important tick-borne disease in East, Central and southern Africa. The disease occurs in two distinct disease syndromes, East Coast fever (caused by cattle-derived isolates) and Corridor disease (caused by buffalo-derived isolates) and the underlying reason for this differentiation is yet to be identified. No significant differences have been identified thus far between the East Coast fever (ECF) and Corridor disease (CD) causative agents and the control of the disease has been undermined by the extensive diversity of the buffalo-derived isolates, which co-exist with cattle-derived *T. parva* isolates in most affected countries.

Thus, our current research focuses on transcriptome and proteome analysis of cattle and buffalo-derived *T. parva* isolates for identification of key mechanisms that are associated with the specific disease syndrome. This information will be used in the identification of disease-specific markers as well as vaccine and therapeutic targets.

CONTACT PERSON: Prof. Kgomotso Sibeko-Matjila, Department of Veterinary Tropical Diseases
E-mail: kgomotso.sibeko@up.ac.za

Please send your CV, certified qualification certificates and a motivational letter to the above-mentioned contact person. Two academic reference letters will be an advantage in the selection of the successful candidate

Deadline for submission of applications: 31 January 2022