

Research and Resources DVTD, Faculty of Veterinary Science, University of Pretoria

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UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Faculty of
Veterinary Science

BIOGRAPHY

- Microbiologist/Virologist
- Teach - BVSc and Vet Nurses
- Teaching mainly virology to BVSc II

- Supervising: 8 – 12 PGS every year
- Completed 38 PGS (MSc and PhD)
- Have 76 publication – 2 chapters in books



DEPARTMENT OF VETERINARY TROPICAL DISEASES (DVTD)

- 12 (2) academic staff
- 20 technologists and admin staff
- Well-equipped accredited laboratories - research
- Provide a diagnostic service to the academic hospital and private vets
- Teach 6 undergraduate modules
 - Microbiology (2)
 - Immunology (2)
 - Vet Parasitology (3)
 - Vet Infectious Diseases (3)
 - VPL (1 - 5 years)
 - Vet One Health (5)



DVTD

- Postgraduate degrees
 - MSc (Veterinary Science)
 - VRM
 - MSc (AHEH) – modular - web-based – small research project
 - VRM – library NB
 - Refworks and EndNote
 - Data base literature sources
 - Referencing
 - PhD
- 120 Registered postgraduate students



CHALLENGES AS A LECTURER/RESEARCHER

- DVTD - Research intensive department
- Time – many academics – seniority
- Grant writing – where and how to get money - competitiveness
- Research programme – spin-off research
- PhDs to assist masters
- Post doc fellows – NB

- Clinical departments :
 - clinical duties - practical training students
 - lecturing
 - research – (promotion)
 - service/consultations with clients



RESEARCH DVTD

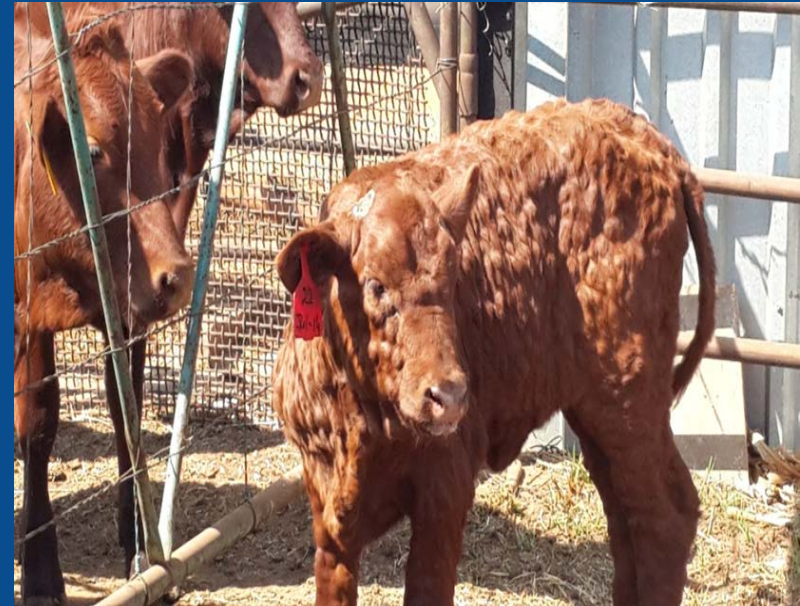
1. Parasite/host/vector interaction in southern Africa
2. Arthropod-borne viruses
3. Zoonoses
4. Infectious diseases at the wildlife/ domestic animal interface
5. One Health in Transfrontier Conservation Areas in southern Africa



RESEARCH

- Arboviruses/arthropod-borne viruses/vector-borne viruses:
 - Bluetongue virus
 - African horsesickness virus
 - Lumpy skin disease virus
 - Rift Valley fever virus – zoonosis

 - Distemper virus - wildlife
 - Palyam virus – *Orbivirus*
 - Flaviviruses in horses e.g. West Nile virus - zoonosis
 - Simbu group of viruses e.g. Schmallenberg



IMPORTANCE OF RESEARCH AT UP/University

- UP
 - Research determines standing/rating nationally and internationally
 - International research collaboration
 - Impact factor of Journals
 - International – visibility
 - PGS
 - International staff
- Staff
 - Standing nationally and internationally
 - H-Index
 - SA - NRF rating –Promotion
 - Grant application succession rate



NRF RATING

- Need an **independent system** for evaluation of researchers
 - International standing of the **researcher**
 - Link with the international standing of their **research**
- NRF rating of researchers by their
 - research outputs
 - impact factor
 - collaborations
- NRF uses national and international evaluators
- Number of NRF-rated staff - one of the criteria to 'rate' the University's outputs and international standing



RESEARCH VISIBILITY

- ResearchGate
 - Research awareness in field of research
 - RG Score – researchers interact with your content
 - See what other people are publishing
 - External examiners for PGS
- H-Index – number and citations of papers
- Website UP
 - Research visibility



RESEARCH ID

- Web of Science / or Scopus / Orcid
- Identifying authors – same name and initials
- Easier to search for publications
- Keep publications updated
- More visible for citing of research work
- Maiden name – merge names
- Different Institutions - merge
- H-index linked to NRF rating

