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

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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
      - Database 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
• 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