

Contact Information

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EDUCATION

**Katholieke University of
Leuven, Belgium (Jan 2005 –
Dec 2009), Award 2011**

**University of
Minnesota/American
Association of Immunologists
Minnesota, USA 2009**

**Vrije University of Brussels &
Katholieke University &
University of Antwerp,
Belgium (2002 - 2004**

**Jomo Kenyatta University of
Agriculture and Technology
Juja, Kenya (1997 – 2001)**

**Kenegut Secondary School
Kericho, Kenya (1992 – 1995)**

Tindih Sheltone Heshborne

Current Research Interests

- The use of Nano bodies in the neutralization of snake venoms
- Role of T & B cells tropisms in the induction of pathology and immunity in protozoan parasitic infections in Mammals
- The use of *Theileria parva* as a model to study T cells stimulation & suppression.

Doctor of Bioscience engineering (PhD)

- PhD study done in collaboration with Institute of Tropical Medicine, Antwerp, International Livestock Research Institute, Nairobi Kenya, Scholarship by Directorate General for Development Co-operation (DGDC), Belgium Thesis Title: Analysis of virulence factors in *Theileria parva* infection in cattle

Certificate Course in Advance Immunology

- Scholarship award sponsored by the International Union of immunological societies (IUIS) in conjunction with the American Association of Immunologists

Masters of Science (Molecular Biology)

- InterUniversity Course on Molecular Biology graduating with Distinction/Cum Laude

Bachelor of Science (Biochemistry & Chemistry)

- Second Class honor's (Upper Division)

Kenya Certificate of Secondary Education (KCSE)

WORK EXPERIENCE

Lecturer

Machakos University, Kenya

September, 2018 - Present

Lecturer & Researcher in advance Immunology, General Zoology, Molecular Biology & Biotechnology

Technical manager

Global Alliance on

Livestock Veterinary Medicine
Nairobi, Kenya

January-2014 - December-2017

- Spearheading and coordinating market development and access for livestock vaccines.
- Training & capacity building of veterinarians, farmers, monitoring and evaluation of vaccine adoption, publicity of the organization and livestock vaccines, networking at the grass-root level, managing the local and cross border stakeholders
- Project planning, budget management and implementation of the market development and access projects.

Project Manager

Global Alliance on

Livestock Veterinary Medicine

Edinburg, UK

July- 2012 December-2013

- Heading the capacity building and strengthening of the laboratory research at African union Centre for Ticks and Tick borne disease (CTTBD), Lilongwe Malawi.
- Leading the GMP certification of CTTBD labs; i.e, Quality control of the vaccine production process, developing, reviewing and record keeping of SOPs, Malawi.
- Coordinating epidemiological studies, sero-surveillance & genetic characterization of *Theileria parva* isolates in Mozambique, DRC, Zambia, Malawi and South Sudan
- Building partnership & collaborations with other project partners' i.e ECF consortium (ILRI), the Roslin Institute, Edinburg, Washington State University, London School of tropical Health, CTTBD, Bill and Melinda Gates foundations), Vaccines regulatory bodies / forum
- Planning, budget management and implementation of the East Coast Fever-Infection & Treatment Method vaccination projects.

Post-doctoral Research Scientist

International Livestock Research
Institute Nairobi, Kenya

January-2011- July-2012

- Development of a thermostable Peste des petit ruminant viral vaccine (PPR),
- Undertake the lyophilization of PPR vaccine using lyophilisation.
- Participate in the production of PPR vaccine using anhydrobiotic approaches such as the Xerovac process. Implement accelerated stability testing of PPR vaccine produced as part of the project

Consultant Immunologist

**International Livestock Research
Institute Nairobi, Kenya**

Nov 2010 - Dec - 2010

- To study the inhibition of CD8+T cell as a basis for fishing out the T cell receptors for *Theileria parva* infection

Consultant on Diagnostics and training

**Global Alliance on Livestock
Veterinary Medicine**

Nairobi, Kenya

July-2010 - August 2010

- Developing East Coast Fever diagnostics assay based on Flowcytometry assay.
- Training CTTBD technicians on diagnostics of *Theileria parva*.

Technical Animal Health expert

**Terra Nouva / European Union,
Sheikh Technical Veterinary School,
Somaliland**

Sept -2009- Sept 2010

- Leading the capacity building of Sheikh Technical Veterinary School and reference centre, Somaliland.
- Leading on the surveillance & diagnosis of animal diseases (Tick & Tick borne diseases) and research in Somaliland within the reference Centre
- Manage biochemistry and food hygiene laboratory as part of reference Centre. Develop lesson plans and curriculum development for the school in relation to training courses in biochemistry, toxicology and pharmacology.
- Coordinate the development of the management system for the school.

Part-Time Lecturer

**Jomo Kenyatta University of
Agriculture and Technology**

Juja, Kenya

January-2009 September-2009

- Lecturing on the Ethics, social economics and risks of Biotechnology, Recent discoveries on Molecular Biology

WORKSHOPS

2010 7th-11th February: Training workshop organized by Somali livestock certification project on the performance of veterinary services, at Sheikh Technical Veterinary School, Somaliland.

2009 24th-25th November: Somali livestock sector coordination meeting, held at Sheikh technical veterinary School, Somaliland.

2009 6th -8th April: British Society of Parasitology spring/Malaria meeting in Edinburg, Appelton Tower session B. Presented a paper on *Theileria parva* isolate of low virulence infects only a subpopulation of T lymphocytes. Tindih SH, Geysen D, Goddeeris BM, Naessens J

2009 14 July-17 July: Socialization of science and technology. Team member in the drafting of the African Scientific and technology manifesto and the communiqué, held at the Sun and Sand Beach resort hotel, Mombasa and sponsored by the African technology and policy studies and the European Union.

2009 12th February: Attended the Roche High Throughput Sequencing workshop Held at BecA/ILRI, Nairobi

2005 28th August - 2005 September 4th: Project cycle management, Vrije Universiteit Brussels offered by experts from the Belgium funding agency, VLIR (Vlaamse InterUniversiteit Raad)

HONORS & AWARDS

1. 2005 Directorate general for development and cooperation, Ministry of Foreign Affairs, Belgium -ITM alumni PhD scholarship Award
2. VLIR scholarship award
3. International Union of immunological societies (IUIS) & the American Association of Immunologists travel award.

PUBLICATIONS

1. Tindih et al. (2009). Demonstration of virulence in *Theileria parva* isolates in vivo: Muguga Vs Chitongo isolates. Tindih SH, Marcotty T, Naessens J, Goddeeris BM, Geysen D. *Veterinary Parasitology*.
2. Tindih SH, Geysen D, Goddeeris BM, Naessens J (2011). *Theileria parva* isolates of different virulence infect different T cell lymphocyte subpopulations. *Infection and Immunity*: 10.1128/IAI.05085-11 3.
3. Jeffrey C. Mariner, James Gachanja, Shelton H. Tindih, Philip Toye. Thermostable presentation of the live, attenuated peste des petits ruminants vaccine in use in Africa and Asia. *Vaccines* Volume 35, Issue 30, 27 June 2017, Pages 3773-3779

4. Tindih Heshborne, Thesis book: Analysis of virulence factors in *Theileria parva* infections ISBN: 970-90-8826-190-9

REFEREES

Dr. Jan Naessens- Formerly Scientist & Consultant, International Livestock Research Institute
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Prof. Edilbert Van Drieschle Former Head of InterUniversity programme on Molecular Biology Vrije University of Brussels, Pleinlaan 2 1050 Brussels +32-2-6291956, Email: edvandri@vub.ac.be

Prof Anne Muigai Professor of genetics Dept of Botany JKUAT P.o Box 62000 Nairobi
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