

Curriculum Vitae

Personal information

First name(s) / Surname (s) Dr Isaac Rumpel Mulei
Address(es) University of Nairobi
P.O. Box 29053-00625, Kangemi, Nairobi, Kenya.
Telephone(s) 0720-618763
E-mail isaacmulei@yahoo.com
imulei@uonbi.ac.ke
Nationality Kenyan
Date of birth 1977
Gender Male

Occupational field **Veterinary Surgeon and Pathologist**

Work experience

Dates 2003-2005: Credit Control Officer, Rentokil Initial, Kenya.
2006-2012: Clinical Veterinarian/Pathologist; Institute of Primate Research.
2007-2010: Animal Facility Manager, Institute of Primate Research
2008-2012: Member of review committee on research and animal care
and use; Institute of Primate Research
2008-2012: Chairman, Environmental Health and Safety Committee;
Institute of Primate Research.
2010-2012: Head, Pathology and Diagnostics: Institute of Primate Research.
June 2012 to current: Veterinary Pathologist, University of Nairobi.

Research Experience

1. Surgical laparoscopic approach towards;
 - a). The study of endometriosis using the baboon as an animal model.
 - b). Follicular aspiration in the study of In vitro Fertilization using the baboon.
2. Bilateral internal carotid and vertebral arterial occlusion in the study of Alzheimer's disease using baboon as a model.
- 3). Clinico-pathological findings in severe malaria using baboon as a model.
- 4). Study of the clinical and pathological outcome in baboon experimentally co-infected with schistosomiasis and malaria
- 5). Experimental infection of baboon with *Chlamydia trachomatis* to study pelvic inflammatory diseases.
- 6). Study of the pathological changes in baboon vaginal mucosa that may be caused by selected lubricants
- 7). Study of the pathological changes in baboon vaginal mucosa with and without contraceptives.
- 8). Study of the efficacy of selected antihelmintics using baboon as a model.

Education	<p>1997-2002: Bachelor of Veterinary Medicine University of Nairobi (Kenya)</p> <p>2008-2011: Master of Science in Veterinary Pathology and Diagnostics. University of Nairobi (Kenya)</p> <p>‘The effects of schistosomiasis and malaria co-infection on the clinical and pathological outcome in experimentally infected baboons (<i>papio cynocephalus anubis</i>)’</p>
Other Training	<p>2008: FELASA C certificate in Laboratory Animal Science University of Nairobi/ University of Uppsala</p> <p>9th November 2011: Certificate of participation. The role of pathology in non-human primates husbandry workshop held at the Institute of Primate Research, Kenya.</p> <p>18th May 2011. Certificate of participation. Veterinary forensic pathology workshop held at the University of Nairobi.</p> <p>3rd and 4th of February 2011. Certificate of participation. Environmental health and safety planning and monitoring workshop. National Museums of Kenya.</p> <p>5th July 2010. Certificate of participation. Laboratory Animal Science workshop held at the Institute of Primate Research.</p> <p>7th and 8th October 2008. Certificate of participation. Strategic planning.</p>
Professional affiliations	Registered Veterinary Surgeon by the Government of Kenya
Scientific publications and presentations	<p>Peer reviewed publications</p> <p>1). First reported case of fatal Tuberculosis in a wild African elephant with past human-wildlife conflict: V. Obanda, J. Poghon, M. Yongo, I. Mulei, M. Ngotho, K.Waititu, J.Makumi, F.Gakuya, P. Omondi, R.C. Soriguer, S.Alasaad. <i>Epidemiol.Infect.</i> Page 1 of 5© CambridgeUniversity press 2013</p> <p>2). The Effects of a Single Cervical Inoculation of <i>Chlamydia trachomatis</i> on the Female Reproductive Tract of the Baboon (<i>Papio anubis</i>). Jason D. Bell,¹ Ingrid L. Bergin,² Lisa H. Harris,¹ Daniel Chai,⁶ Isaac Mulei,⁶ Jason Mwenda,⁶ Vanessa K. Dalton,^{1,5} Anjel Vahratian,¹ William LeBar,³ Melissa K. Zochowski,¹ Nicholas Kiulia,⁶ David M. Aronoff,^{4,5} and Dorothy L. Patton⁷. <i>J Infect Dis.</i> 2011 November 1; 204(9): 1305–1312.</p> <p>3). High efficacy of combined Albendazole and Ivermectin treatment against gastrointestinal nematodes in vervet monkeys and baboons. Kagira J.M., Oluoch G., Waititu K., Mulei I, Maingi N and Ngotho M. <i>Scandinavian Journal of Laboratory animal Science</i>, 2011.Vol 38. No 3.</p> <p>4). Unipron is A Fully Effective Non-hormonal Reversible Contraceptive in Baboon Model (<i>Papio Anubis</i>) Jael A. Obiero, Maureen N. Mburu, Benson M. Ndungu, Kenneth K. Waititu, Isaac Mulei, Idle O. Farah, Peter G. Mwethera. <i>Journal of Reproduction and Contraception</i>, 2008; 19(2) 107-118.</p> <p>5). Clinical features and pathogenesis of severe-like malaria in baboon (<i>Papio Anubis</i>) infected with <i>Plasmodium knowlesi</i>. Jeneby M.M, Onkoba W, Akinyi M, Nyakundi R, Mulei I, Kariuki T.M, Ozwara H.S. Presented on the 18th International Biomedical Research Conference held at the Kenya Institute of Education, Nairobi, Kenya, 6-8th July 2010. <i>(submitted for publication)</i></p>

Oral and poster presentations

- 6). Prevalence and Intensities of Intestinal Parasite Infections In Wild Trapped Olive Baboons (*Papio Anubis*) From Aberdare Forest, Kenya
P.N.Nguhiu, C.N.Wamae, J.K. Magambo, **I.Mulei**, T.Kariuki, D.S.Yole
Proceedings of 2008 Jomo Kenyatta University of Agriculture and Technology scientific, technological and industrialization conference.
- 7). Normal Microbial Flora on the Penile Foreskin Of baboon (*Papio Anubis*)
Obiero J. A, Mburu N., Mwaura B., Waititu K., **Mulei I.**, Mwethera P.G.
Presented at the 17th Institute of Primate Research's scientific Conference, held in Nairobi, Kenya on 14-15th November 2007.
- 8). Prevalence of Amoebiasis In wild Trapped Baboons Before and After Treatment with mebendazole (Flagil®). **Mulei I**, Ngotho M, Waititu K, Njoki C.
Presented as oral presentation at the Institute of Primate Research on 24-9-2008.
- 9). Assesment of Gastrointestinal Parasites of Wild Trapped Baboons During Quarantine. Maloba F.C, Kinyanjui C.K, **Mulei I**, Ngotho M.
Presented at the 17th Institute of Primate Research's scientific Conference, held in Nairobi, Kenya on 14-15th November 2007.
- 10). Quarantine and Health Monitoring of Wild caught Non-Human Primates at IPR. **Mulei I**, Ngotho M.
Presented at the 17th Institute of Primate Research's scientific conference, held in Nairobi, Kenya on 14-15th November 2007.