

Patrick Pithua BVM MSc PhD DLSHTM

Associate Professor of Comparative Epidemiology, the Carnegie African Diaspora Fellow, Fulbright Specialist, and Fulbright Scholar

Biography

Patrick Pithua is an Associate Professor of Comparative Epidemiology, at the University of Missouri. Upon qualifying as a Veterinarian from the Makerere University, he trained in Veterinary Epidemiology at the Royal Veterinary College and London School of Hygiene & Tropical Medicine earning a Masters degree before going on to pursue doctoral studies at the University of Minnesota in the Twin Cities.

His doctoral thesis described the first rigorous examination into the effectiveness of farm management interventions commonly recommended in the prevention of transmission of *Mycobacterium avium* subsp *paratuberculosis* in dairy cattle and has published extensively on this topic. His research has directly influenced approaches for the management of paratuberculosis in dairy farms and has been cited in numerous extension bulletins. Patrick's current portfolio of internally and externally funded projects includes studies examining the epidemiology of pathogenic human *Leptospira* in Uganda, ruminant health and welfare including colostrum management in relation to calf health and infectious disease transmission in dairy cattle and mycobacterial diseases of ruminants.

In his role as Associate Professor at the University of Missouri, he teaches graduate courses in analytical epidemiology and the epidemiology of disease common to animals and humans. He also acts as the Associate Director of the MPH program at the same institution. In 2016, the J. William Fulbright Foreign Scholarship Board inducted Patrick into the Fulbright Specialist roster as a Preventive Medicine, Epidemiology, and Public Health specialist. He was subsequently awarded a Fulbright Specialist Grant for Teaching at the Faculty of Veterinary Medicine, National University of La Pampa, Argentina. Patrick was selected for a Fulbright award to the Africa Regional Research Program. He was also recently named a Fellow of the Carnegie African Diaspora Program and will travel to Uganda to collaborate on curriculum co-development, research, graduate teaching and training, grant writing and mentoring activities.



Comparative Epidemiology

- *Carnegie African Diaspora Fellow in Veterinary Preventive Medicine, Epidemiology & Public Health*
- Fulbright Specialist in Veterinary Preventive Medicine, Epidemiology & Public Health
- Fulbright Fellow, Africa Regional Research Program.

SPECIALIZATION:

- Veterinary Preventive Medicine, Epidemiology & Public Health

CARNEGIE AFRICAN DIASPORA FELLOWSHIP PROJECT TITLE:

- Strengthening Collaboration in Zoonotic Disease Research, Curriculum Development in Applied Veterinary Epidemiology, and Student Advising

ACADEMIC TRAINING:

- PhD University of Minnesota-Twin Cities-Minnesota, 2009
- MSc University of London, London 2004
- BVM Makerere University, Kampala, 2002

PROFESSIONAL BACKGROUND:

- Associate Professor of Comparative Epidemiology, University of Missouri-Columbia

SELECTED PUBLICATIONS:

- **Pithua P***, Aly SS, Haines DM, Champagne JD, Middleton JR, and Poock SE. 2013. "Efficacy of feeding a lacteal-derived colostrum replacer or pooled maternal colostrum with a low IgG concentration for prevention of failure of passive transfer in dairy calves." *Journal of the American Veterinary Medical Association* 243 (2): 277-282. Doi: 10.2460/javma.243.2.277. PMID: 23822086.
- **Pithua P***, Espejo LA, Godden SM, and Wells SJ. 2013. "Is an individual calving pen better than a group calving pen for preventing transmission of *Mycobacterium avium* subsp *paratuberculosis* in calves? Results from a field trial." *Research in Veterinary Science* 95 (2): 398-404. Doi: 10.1016/j.rvsc.2013.03.014. PMID: 23582519.
- **Pithua P***, Wells SJ, Godden SM, and Raizman EA. 2009. "Clinical trial on type of calving pen and the risk of disease in Holstein calves during the first 90 d of life." *Preventive Veterinary Medicine* 89 (1-2): 8- 15. Doi: 10.1016/j.prevetmed.2009.01.001. PMID: 19193464.
- ¹**Pithua P***, Godden SM, Wells SJ, and Oakes MJ. 2009. "Efficacy of feeding plasma-derived commercial colostrum replacer for the prevention of transmission of *Mycobacterium avium* subsp *paratuberculosis* in Holstein calves." *Journal of the American Veterinary Medical Association* 234 (9): 1167-1176. Doi: 10.2460/javma.234.9.1167. PMID: 19405889.

FELLOWSHIPS, HONORS, ETC.:

- 2017 Fulbright Fellowship [Scholar] College of Veterinary Medicine, Animal Resources and Biosecurity, Makerere University
- 2017 Carnegie African Diaspora Fellowship, [Scholar] College of Veterinary Medicine, Animal Resources and Biosecurity, Makerere University

HOME INSTITUTION AND DEPARTMENT IN THE UNITED STATES:

- University of Missouri, Department of Veterinary Medicine and Surgery, Columbia, Missouri

HOST INSTITUTION AND DEPARTMENT IN UGANDA:

- Makerere University, College of Veterinary Medicine, Animal Resources and Biosecurity

HOST PERSON AND/OR CONTACT AT THE DEPARTMENT IN UGANDA

- Makerere University, College of Veterinary Medicine, Animal Resources and Biosecurity, Dr. Lawrence Mugisha

GRANT PERIOD:

May 2017 - July 2017

¹ Received the "Top 10 papers of 2009 in Food Animal Medicine Award" by the American College of Veterinary Internal Medicine.

