

## *Michael B. APAMAKU, Resume*

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### CURRENT AFFILIATION

Board Member, Veterinarians Without Borders, USA

Graduate Student, Master of Science, Agricultural Economics, Kansas State University

### CURRENT AND FUTURE RESEARCH INTEREST

Development of an economic decision for livestock producers under risk of bovine anaplasmosis

Development of tools for mathematical epidemiology

### EDUCATION

MS Agricultural Economics Kansas State University (Expected completion, Spring 2018)

PhD Integrative Pathobiology University of California, Davis

MS Quantitative Epidemiology University of California, Davis

DVM Veterinary Medicine Makerere University, Kampala

### WORK EXPERIENCE

**Consultant**, International Livestock Research Institute, 05/2016 – 08/2016

Managed animal health component of Irish-Aid 'Smallholder Pig Value chain project'

Field surveys, blood draws and field diagnostics for zoonoses

Location: Moyo district, Northern Uganda

**Consultant Animal Health Scientist**, National Agricultural Research Org., 06/2014 – 06/2016

Implemented World Bank-funded Agricultural, Technical and Agribusiness Advisory Services

Location: Arua, Northern Uganda. Developed web-based tool for disease reporting

**Board Member**, Veterinarians Without Borders, USA, 09/2013 – present date

Provide advisory role on programs for animal health in developing countries

**Country Program Manager**, Veterinarians Without Borders, USA, 09/2013 to 09/2016

Managed USAID-funded project to improve animal disease reporting by livestock producers

Location: Uganda-wide

**Graduate Student Researcher**, Pathogen Detection Laboratory, California National Primate

Research Center, University of California, Davis, 09/2005 – 12/2012

**Junior Specialist**, Simian Retrovirus Laboratory, California National Primate Research Center,

University of California, Davis, 05/2004 – 09/2005

**Veterinary Officer**, Uganda Government, 01/2001 – 06/2003

Surveillance for transboundary animal diseases

Location: Katuna (Uganda-Rwanda border)

### SOFTWARE SKILLS

Statistical analysis: STATA and R

Optimization modeling: Excel Solver, GAMS (introductory proficiency)

### LABORATORY ASSAY PROFICIENCY

Molecular assays

Serological assays

Field testing platforms for zoonoses (fluorescence polarization assay, tuberculin, Wright-Giemsa)

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### PROFESSIONAL INTERESTS

Mathematical epidemiology  
Animal health economics  
Animal health surveillance

Animal health policy  
Foreign animal diseases  
Veterinary virology

### RESEARCH WORK

MS Thesis – Risk factors for occupational injuries in California Veterinarians

PhD Thesis – Pilot serological and molecular surveys for Borna Disease virus

Correlating positivity for zoonotic disease with growth in people and livestock in a community in Eastern Uganda (*forthcoming*): Curtis, K.L., Apamaku, M.B., Brown, C, Graham, T.W.

Seroprevalence and associated risk factors for Brucellosis seropositivity in Human, cattle and goat in Makutu parish, Iganga district (*forthcoming*): Nguna, J, Baker A, Curtis, K.L., Apamaku, M.B., Graham, T.W., Dione, M.M., Mugizi, D.M., Ejobi, F.

Pig farming systems and *Taenia solium* cysticercosis in Northern Uganda (*forthcoming*): Kungu, J.M., Masembe C., Apamaku, M., Akol, J. Amia, W.C., Dione, M.M.

Validation of a point of care somatic cell count reader for cow side diagnosis: Baker A., Curtis K., Kim S., Dione M.M., Apamaku, M., Graham T.W., JAVMA (*forthcoming*)

Cattle-associated risk factors for human tuberculosis in rural livestock keeping communities, Uganda (*forthcoming*): Meisner, J., Kellie, C., Graham, TW., Apamaku, M., Manhart, L.E., Cangelosi, G.A., Rabinowitz, P.

*In vivo* efficacy of Ethanolic extract of *Cassia nigrans* against Gastrointestinal nematodes of goats in West Nile subregion, 2016: Oba, P., Asizua, D., Komuntaro, G., Kasozi, N., Kalenzi, M., Apamaku, M., Kateregga, J., Okwee-Acai, J., Ndukui, J.G., Kabasa, W., Benda, K.K.,

### REFERENCES

Dr. Yona Baguma, PhD

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