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2015 BHEARD Scholar  
**Jean Pierre  
Mpatwenumugabo**

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# Profile

<b>Country of Study:</b>	Kenya
<b>University:</b>	University of Nairobi
<b>Department:</b>	Veterinary Pathology, Microbiology and Parasitology
<b>Student Position:</b>	Graduate Research Assistant – M.Sc.
<b>Hometown:</b>	Musanze, Rwanda
<b>Home Institution:</b>	University of Rwanda
<b>Home Position:</b>	Tutorial Assistant
<b>Mentored By:</b>	Home: Dr. Olivier Kamana, University of Rwanda University: Lily C. Bebora, Professor, University of Nairobi

**Research Area:** *Applied Microbiology – Bacteriology*

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**BHEARD PROGRAM START DATE:** September 2015

**UNDERGRADUATE EDUCATION:** Doctor of Veterinary Medicine, Animal Sciences and Veterinary Medicine, University of Cheikh Anta Diop, Senegal

**RESEARCH INTERESTS:** Jean Pierre’s research topic is “Prevalence of subclinical mastitis, evaluation of bacterial contamination of cow milk along the market chain and antibiotic susceptibility patterns of selected isolates in Rwanda”.

Bovine mastitis is the inflammation of the udder and reduces milk production and milk quality. However, because of worries about antimicrobial residues, antimicrobial resistance, milk quality, and animal welfare, mastitis has also become a concern to consumers and society. Udder health has become part of the image of milk: a high quality, healthy and nutritious product produced by healthy animals.

Over the last five years, Jean Pierre has been involved in different research efforts dealing with public health and food security issues. He has been involved in research on bacterial zoonoses – Brucellosis and Tuberculosis – and he has also worked on Bovine Mastitis, which is a cross-cutting issue with public health and food security.

Jean Pierre believes that we cannot talk about food security without talking about public health. Once we increase the animal productivity, we must ensure that these animal products are safe for human consumption; being antibiotic residues free, fulfilling the standards (like for milk, the somatic cell count must be less than 200,000).

After completion of his studies, Jean Pierre will go back home and continue working on animal diseases mostly those affecting the quality of animal products and having at the same time an impact on the social economic status of farmers.

**PERSONAL STATEMENT:** Completing his master's degree would enable Jean Pierre to step into a research environment with a deepened knowledge in food security and public health related issues and an increased confidence in his research skills that he would like to apply toward a Ph.D.

Jean Pierre has chosen to work in an academic institution because his dream is to become a professor.

**WHEN I AM NOT WORKING I ENJOY:** When Jean Pierre is not working, he enjoys reading, volunteering, playing sports and praying.