

MAKERERE UNIVERSITY

NEXTGEN LANDSCAPE GENOMICS RESEARCH OPPORTUNITY

THEME: Next generation methods to preserve farm animal biodiversity by optimizing present and future breeding options

Background

The NEXTGEN consortium is an EU-funded collaborative research initiative in the area of landscape genomics in cattle, sheep and goats using whole genome data. NEXTGEN aims to provide the necessary tools for the exploitation of new generation genomic and reproductive technologies for farm animal genetic resource characterization and conservation. Through this initiative, strategies will be developed for the optimal choice of animals for bio-banking and to maximize neutral and functional genetic diversity in farm animals adapted to different environments and disease burdens.

The call

As part of NEXTGEN's capacity building, the consortium is inviting applications for a 3-year PhD training opportunity to be undertaken at Makerere University and other partner Universities in Europe. There is one vacancy for this call.

Qualities Required

The candidate must have prior knowledge in basic genetics, livestock diseases epidemiology, evolutionary biology, molecular biology, and other supportive knowledge that is deemed useful in addressing the team's research questions. Applicants must have the requisite minimum qualifications for PhD admission.

How to apply

Applications should include a CV, statement of research interests and contact addresses (phone and email) of two referees. The deadline for applications is 30th November 2010 at 17:00HRS. Applications should be sent as one pdf file to muienr@muienr.mak.ac.ug and copied to cmasembe@muienr.mak.ac.ug; and vmuwanika@muienr.mak.ac.ug