



RECRUITMENT

CALL FOR PH.D. STUDENTS FELLOWSHIPS 2022/23

HARNESSING DATA SCIENCE FOR HEALTH DISCOVERY AND INNOVATION IN AFRICA

The Makerere University Data Science Research Training Program to Strengthen Evidence-Based Health Innovation, Intervention, and Policy (**MakDARTA**) is a training grant funded by the NIH/Fogarty (**Grant Number 1U2RTW012116-01**) as part of a broader initiative entitled Harnessing Data Science for Health Discovery and Innovation in Africa (DS-I Africa). The grant is a collaborative effort of multiple Principal Investigators from Makerere University, Uganda, and Johns Hopkins University, (JHU) in the USA. The MakDARTA program aims to train graduate students in data science but also develop sustainable health data science programs at the Makerere University College of Health Sciences (MakCHS).

MakDARTA now seeks to recruit **TWO (2)** qualified Ugandan for Ph.D. doctoral training in Health Data Science. The scholar will be hosted at Makerere University College of Health Sciences. The scholar will also undertake sponsored didactic data science methods training at JHU, in the USA to receive additional skills development and mentoring in data science health research.

The potential trainees will be expected to draft their concepts based on the Collaborative African Genomics Network (CAfGEN) and Integrated Biorepository of H3Africa Uganda (IBRH3AU) program research objectives. Potential candidates are encouraged to review published work from these programs and get in touch with their program leaders to discuss their applications, availability of data, and their intended aims or objectives before submitting their applications. In brief, the CAf GEN and IBRH3AU project objectives focus on:

- a. Understanding progression of HIV and TB in African children using novel genomic and bioinformatics technologies
- b. The interplay of Human Hereditary and health using stored samples for data.

The Ph.D. fellowship support is for a **three-year period (full-time)** with annual renewal subject to performance and progress. Successful applicants will be expected to enroll in the Ph.D. in Bioinformatics (PBIO) program at Makerere University.

Eligibility

- Master's Degree in Bioinformatics OR Computer Sciences OR Mathematics OR Statistics OR another health data-intensive discipline.
- Demonstrated interest in applying big data analytics in health care
- Must be a Ugandan national with a commitment to working in and advancing research in Africa
- Highly motivated and committed to biomedical research, dissemination, and publication



Submission

Please email your application as follows:

- CV (maximum of 4 pages) with relevant publications (if any)
- A cover letter (maximum of 1 page)
- 2-page research concept outlining specific aims, research, and analysis plan.
- Certificates and Academic Transcripts for the relevant Master of Science degree (MSc. Degree)
- Statement of Purpose / motivational letter (maximum- 800 words) for undertaking advanced training in Health Data Science
- Letters of recommendation with daytime contact details from three academic referees.

Make the subject of the email: *APPLICATION-Doctoral-Scholarship-MakDARTA-Ph.D.*

All documents must be labeled as applicant lastName_firstName_documentName (e.g. **Batte_Charles_APPLICATION-Ph.D. Batte_Charles_CV.pdf, etc.**)

Email your application not later than **15th March 2022 at 6:00 pm EAT** to Program Manager, Dr. Charles Batte at the address: makdarta.chs@mak.ac.ug and copy to nalwaddageraldine@gmail.com