

Institution: Duke University Medical Center
Durham, North Carolina, USA

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LAB RESOURCES

Please indicate and briefly whether your institution provides any of the following core lab services or facilities to African investigators (select all that apply):

Animal lab and/or non-human primate research facility:

BSL-3 lab space and equipment:

Bacteriology:

Support for microbiology at the KCMC Biotechnology Laboratory

Clinical Chemistry:

Support for clinical chemistries at the KCMC Biotechnology Laboratory

DNA sequencing:

Flow cytometry:

Support for flow cytometry at the KCMC Biotechnology Laboratory

Genomics:

Immunology/immunopathogenesis:

Elispot reader at the KCMC Biotechnology Laboratory

Pathology:

Pharmacology/analytical chemistry:

Sandwich program for 2 MMed candidates

Virology/molecular biology:

Support for plasma HIV RNA measurement at KCMC Biotechnology Laboratory

Other:

BIOLOGICAL SPECIMEN BANKING/REPOSITORY

Please briefly describe the stored biological specimens available through your institute:

- In Durham we have approximately 30,000 stored plasma specimens from HIV-infected persons.
- In Moshi we have approximately 2000 stored plasma specimens from HIV-infected persons.



Please indicate whether your institution provides any of the following equipment or resources to African investigators (select all that apply):

| | |
|---|---|
| <i>-80C freezers</i> | 3 |
| <i>Nitrogen storage tanks</i> | 2 |
| <i>Specimen samples (described above)</i> | 2 |
| <i>Other</i> | 2 |

BIOSTATISTICAL/DATA MANAGEMENT SUPPORT

Please indicate whether your institution provides any of the following core services to African investigators (select all that apply):

- Computational biology
- Biomathematical modeling
- Bioinformatics/biometrics

TECHNICAL ASSISTANCE, CONSULTATION, AND SUPPORT

Please indicate whether your institution provides any of the following specialized technical expertise or support to African investigators (select all that apply):

- Clinical Research/Population Sciences
- Health Services/Health Education
- Social and Behavioral Sciences/Prevention
- Developmental Support (e.g., logistical, operational and infrastructure support, small pilot grants)

TRAINING AND EDUCATION

Does your institution offer degree and/or non-degree training to African scholars?

- Yes

Please indicate whether your institution offers any of the following research training programs that may be of relevance or interest to African investigators (select all that apply):

- Bioinformatics
- Clinical Research (e.g., Clinical Research Scholars & Fellows Program)

COLLABORATIONS

Please list and briefly describe your current collaboration with any African institutions for either research or training purposes.

- We have extensive collaborations with the Kilimanjaro Christian Medical Centre in Moshi, Tanzania. These include our CTU grant, in which KCMC is a CRS participating in the IMPAACT and ACTG networks, participation as a CHAVI site, training support through AITRP and HIV-associated malignancies research training grants, and through the Medical Education Partnership Initiative (MEPI).

Please describe your plans for future collaborations within African (additional groups, sites, countries, etc.)

- Our collaborations remain mainly focused in Tanzania, although individual investigators have collaborations in Kenya, Ethiopia and South Africa.

Please list and briefly describe your institution's collaborations and/or partnerships with entities outside of Africa (e.g., organizations and networks in the USA, Europe, etc. – including CFARS, NIH clinical trials networks, HPTN, HVTN, AMC, leDEA, USAID, PEPFAR, etc.

- We have received 2 PEPFAR Implementation Science supplements to our CTU award.

CLINICAL COHORTS

Do you have access to existing clinical cohorts in Africa or USA?

- No

Are you planning to establish any new clinical cohorts over the next 5 years?

- No