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## LAB RESOURCES

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**Please describe the laboratory facilities available in your research institute, including the items listed below (if applicable):**

<i>Lab space and equipment (general):</i>	Can get the dimensions from the building design (Briefly: Yes, available)
<i>BSL-2 lab space and equipment:</i>	Available in the new building
<i>BSL-3 lab space and equipment:</i>	Available in the new building
<i>Flow cytometry equipment:</i>	4 color read (plan to get 18 color read in the near future)
<i>Other:</i>	Have CO2 incubator, basic molecular biology equipment including imaging, electrophoresis for proteins, plate readers & washers, HPLC equipment and immunofluorescent microscope. A scanning EM and shared sequencing facility are also available.

**Please list the research groups in your institute, including the size and areas of expertise for each group:**

- Immunology of Infectious Diseases (HIV, TB, Malaria, Hepatitis, Diarrheal, STIs-epidemiology,disease mechanisms)
- Non-communicable (hypertension and diabetes-epidemiology and biomarkers)



- Maternal and Child Health
- Nutrition (infant, maternal and HIV)
- Cancer (epidemiology and biomarkers)

## **BIOLOGICAL SPECIMEN REPOSITORY**

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**Please describe the biological specimens stored at your institute:**

- Tissues (blood, cells (PBMC) and DNA)

**Does your institute have a database of stored samples?**

- Yes (not sure about regulation)

## **TRAINING AND EDUCATION**

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**Please describe the training initiatives your institution has in place for individuals prior to working in clinical studies:**

- Ethics (Patient/subjects rights and confidentiality)
- General procedures for handling biological materials (Biosafety regulations)
- Data capture
- Data management

**Please describe the training initiatives your institution has in place for individuals prior to working in the laboratory:**

- Biosafety regulations
- Biological risk assessments
- Laboratory biosafety level criteria

**What assays/techniques do you excel in at your institute?**

- Immunology, protein work, cell culture and basic molecular biology techniques

**What training could you provide to visiting scientists?**

- All of the above

**What rank are the majority of your trainees? (e.g., approximate numbers of undergraduate students, Masters, PhD, post-doc, MDs)**

- Undergraduate students, Masters, PhD, post-doc

**Do you offer training classes/courses for any of the following?**

<i>Grant Writing</i>	Yes
<i>Manuscript/abstract writing</i>	Yes
<i>Computer skills, excel, prism, endnote, word, powerpoint</i>	Yes
<i>Presentation skills</i>	Yes
<i>Epidemiology</i>	Yes
<i>Biostatistics</i>	Yes

**Does your institute receive funds to support training initiatives?** Yes

**Please provide details about the funds your institute receive to support training initiatives:**

- MEPI
- Grand Challenges
- Other collaborative grants (eg: CFAR)

**Does your institution send trainees abroad for additional training?** Yes

**What Masters and/or Doctoral programs does your institution offer?**

- In all disciplines. Further information available in Almanac, see institution's website at [www.ub.bw](http://www.ub.bw)

## **CLINICAL COHORTS**

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

- Yes (not sure about USA)

## **DATA MANAGEMENT**

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**Please describe the DATA MANAGEMENT FACILITIES available in research institute, including the items listed below (if applicable):**

*Data management expertise, including staff complement (general):*

- Statistics staff, softwares

*On-site database design, implementation and trouble-shooting:*

- IT and statistics departments

*Details of off-site support (by whom):*

- Other collaborating university
- Bioinformatics (in the process of establishing)