Our current project : is to introduce **Malaria Assays** in the Sub-Saharan African countries.

The diagnostic equipment are powerful assays relating to malaria research. Offering two methods for malaria detection on ONE instrument.

1. Assays utilize easy to use Muse Cell Analyzer that guides user through acquisition and analysis steps
2. **Current methods use to detect Malaria have significant challenges**:
   * low sensitivity and specificity, requires **expert reader (microscopy) and low reproducibility (microscopy).**
   * delay in getting diagnosis results which is the cause of mortality.
   * no access to remote areas ( lab/clinics) - patients may have to travel long distances to get diagnosed and the results are not readily available
3. **Malaria Assays**
   * Malaria Assays on Muse Cell Analyzer: can provide easy to use, affordable and sensitive solutions
   * Equipment is build to sustain the African climate and has a battery operated option ( useful when traveling to/from remote area where electricity can be scarce)
   * No need for highly expert operator/reader (easier interpretation of results)
   * Multiple Assays on 1 platform
   * Quicker return of results: Optimized to under 1 hour with only 20uL sample volume
   * Portable equipment - Healthcare worker can easily travel with the equipment to a remote area in need.

With a goal to reducing malaria mortality rates and reducing malaria cases in the region, we are eager to bring the assays to Africa; and train local health partners on how to use the assays in various selected communities.

Our goal is to partner with local organizations in Africa in order to help track, innovate and implement research and development while strengthening the local health systems.