African Advanced Bioinformatics Workshop

Where: WACCBIP, University of Ghana

When: 10/05/2020-15/05/2020

Application Deadline: 08/01/2020

Fully funded bursaries (flight, accommodation & course fee) are available.

Pre-requisite: This course is designed for individuals with experience in bioinformatics and genomics data analysis. We expect that participants would be able to work confidently with Linux and R or Python. To be considered as having the requisite experience, applicants would be expected to have led on several projects in the analysis of OMICS data. Priority will be given to participants that have their own data. Applicants are expected to submit proof of experience and possession of their own data upon application and through a letter of endorsement from a sponsor. Participation is limited to nationals of low- & middle-income African countries, working on the continent.

Topics:

- Advanced Linux and working with computer cluster
- Advanced R
- Concepts for efficient data analysis
- Efficient Variant calling and analysis
- Transcriptomics, cluster analysis & differential expression in bulk RNA-Seq and single cell RNA-Seq
- Machine learning
- We will focus on next generation sequencing data from pathogens and human

Cost: US$1000 for academics / US$2000 commercial

How to apply: [http://bit.ly/advancedbioinformaticscourse](http://bit.ly/advancedbioinformaticscourse) You will need a letter from a sponsor, as well as their contact details. For further information, please contact: aabw@waccbip.org

Organisation: Thomas D. Otto, Saikou Bah, Simon Rodgers & Gordon Awandare

Collaborating institutions: University of Ghana, University of Glasgow (UK), KEMRI-Kilifi (Kenya), MRC The Gambia, Medical College of Blantyre (Malawi) and Malaria Research and Training Centre (Mali).

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