

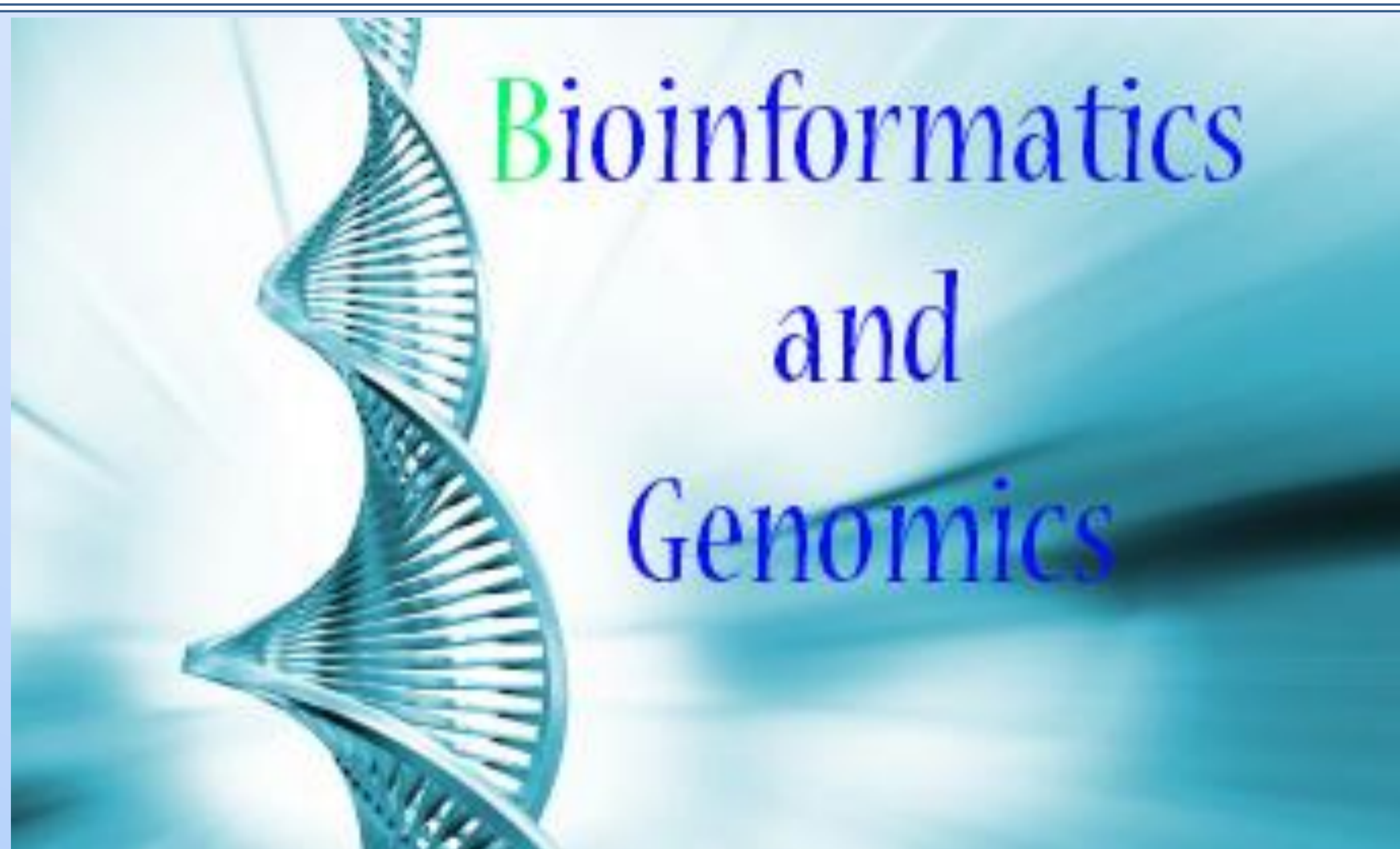
The University of Nairobi's Centre for Biotechnology and Bioinformatics in collaboration with The National Science Foundation, The Fulbright Foundation, Lewis & Clark and Reed College present

## A WORKSHOP IN BIOINFORMATICS & GENOMICS

### AT THE UNIVERSITY OF NAIROBI

November 25-29th, 2013

This workshop is designed to introduce participants to basic concepts and tools in bioinformatics and genomics. Each meeting will be a combination of lecture, hands-on demonstrations, and discussion. All programs, data, and papers that are used will be derived from freely accessible internet resources including public databases, free software, and public access scientific literature.



#### **Topics to be covered during the workshop:**

- 1) Intro to Databases, Web Tools, and Genome Browsers
- 2) UNIX Basics and Command-line BLAST
- 3) Exon Prediction
- 4) Sequence Alignment
- 5) Phylogenetic Analysis
- 6) Detecting Selection
- 7) Repetitive DNA
- 8) Genome Assembly
- 9) Introduction to Galaxy

#### **Considerations**

- Workshops will require no prior knowledge of bioinformatics and genomics, but will require some background knowledge of DNA, sequence data, transcription, translation, homology, and basic molecular biology.
- Current graduate students, post-docs, and interested faculty are encouraged to apply.
- The workshop will meet every day from 9 am until 5pm, Monday through Friday (Nov 25-29, 2013). Attendance at all workshop activities is required, however there is no registration fee for the workshop.
- For more information, visit our website at: <https://sites.google.com/site/bioinfogenomicswrkshpea/home>

To be assured full consideration, apply for registration by Nov. 8th, 2013. Participation is limited. Your application should be submitted by email to [bioinfo.genomics.workshop@gmail.com](mailto:bioinfo.genomics.workshop@gmail.com) and must include the following information:

- Your Full Name (Surname, Given Name)
- Your Affiliation (Including year of study, program or departmental affiliation, and University)
- Contact information (Home Address, Email Address, and Phone Number)
- Reason for wanting to attend the workshop (1 paragraph)
- Name and contact information for one reference (Professor or Colleague)

