Applications for Ph.D. /Research position/Training positions in Computational Genome Biology

Ph.D. Studentships in Computational Genome Biology Applications are invited from talented and passionate candidates to work on several next-generation sequencing (NGS)-based research studies as well as proteomic studies and pursue their Ph.D. in Computational Biology at the Institute of Bioinformatics (IOB) in Bangalore (http://www.ibioinformatics.org). The selected candidates will be enrolled for their Ph.D. at Manipal Academy of Higher Education (MAHE), Manipal. The thrust areas of IOB include infectious diseases, neurological disorders, cancer biology, and computational biology. The selected candidates will undergo excellent training in next generation sequencing methods as well as Big Data analysis with opportunity to work on data generated from next generation sequencing methods such as whole genome/exome sequencing, transcriptome sequencing, and small RNA sequencing. IOB is also internationally known for mass spectrometry-based proteomics, which provides opportunities to work on multi-omics studies such as proteogenomics, metabolomics, pathways, and interaction networks.

Research Areas:
Computational Genome Biology team is focusing on
Research Area #1: Application of genomics to human diseases
Research Area #2: Genomics of drug-like molecules from fungi
Research Area #3: Evolutionary Genomics
Research Area #4: Biodiversity Genomics
Research Area #5: Viral Genomics starting with SARS-CoV-2
We are constantly looking for strong candidates to focus on one of these areas.

Prerequisites:

Applicants of various backgrounds are welcome with majority of requirements are listed below

1. M.Sc/M.Tech in Bioinformatics/ Biotechnology/ Genomics/ Medical Genetics/ Microbiology/Genetics/Computer Science/ IT with good understanding Bioinformatics and Genomics
2. Programming Experience in Python and R
3. Experience in PHP or other web technologies and MySQL
4. Experience working in a Linux environment and be able to do shell scripting
5. Fair knowledge of statistics
6. Good understanding of genetics and genomics
7. Good standing of human diseases
8. Experience in NGS data analysis

Candidates who have secured fellowships from the State/Central Government agencies such as **ICMR, CSIR, UGC and DBT will be preferred. Exceptional candidates will be hired directly on institutional fellowship.**

How to apply: Send your CVs with Subject:
"**Ph.D. /Research position/Training positions in Computational Genome Biology**"
(choose of these categories) to abhishek_@_ibioinformatics,org +
fill in this form:- https://tinyurl.com/IOBPhDRes2020

Comment: Due to COVID-19 pandemic, Initially work from home will be allowed.

*The candidates who are selected would be called for an online/virtual interview followed by group discussions, with selected students likely to join by ASAP or by Mutual agreement.
*incomplete applications shall not be entertained.
*The applications are considered on a rolling basis until the deadline.
*This form is required for further consideration
*Selected candidates are informed time to time.
*Informal queries on the project (AND THOSE SERIOUSLY INTERESTED ONLY) may contact abhishek_@_ibioinformatics,org
*Tips to writing a good application is available at:
https://github.com/drabhishekkumar/PhDpositionComputationalGenomeBiology

Institute of Bioinformatics (IOB)
http://www.ibioinformatics.org

Contact: **email** **or call us**