Fixed-term Engineer position
Next generation sequencing data analysis
GenomEast platform, IGBMC Strasbourg

Context

The Institute of Genetics, Molecular and Cellular Biology (IGBMC http://www.igbmc.fr) is a research unit composed of 52 research teams and involving INSERM, CNRS and the University of Strasbourg.
Within IGBMC, the GenomEast platform (http://genomeast.igbmc.fr/) is dedicated to provide resources and expertise in functional genomics to the national and international research community. The present staff includes 14 persons (9 biologists and 5 bioinformaticians). Current projects concern different topics (especially functional genomics, cancer, development, stem cells or human genetics), mainly using various Next Generation Sequencing applications (RNA-seq, single cell RNA-seq, ChIP-seq, ATAC-seq, MeDIP-seq, small RNA-seq, DNA-seq, …). The platform currently houses an Illumina Hiseq4000 sequencer, a 10X Chromium Controller and a storage and computing cluster. The successful candidate will integrate the bioinformatics team in charge of the analysis of data generated by the platform.

Activities

The successful candidate will work on bioinformatics and biostatistics analysis of several RNA-seq and single-cell RNA-seq projects, in collaboration with the research teams leading the projects. He/she will define appropriate methods to answer biological questions asked by the researchers, use or adapt these methods for data analysis and train the researchers in the interpretation and analysis of their data. He/she will also interact with the bioinformaticians from the platform and with the biologists in charge of the experimental part of the projects.

Required qualification and professional experience

Required qualification: Msc in Bioinformatics or Biostatistics.
Required skills:
- Advanced knowledge in bioinformatics (previous experience on NGS data analysis would be appreciated)
- Advanced knowledge of Unix environment and shell programming
- Advanced knowledge and experience in programming (at least one programming language, ideally Python)
- Advanced knowledge in statistics and data analysis, advanced knowledge and experience in R (knowledge of Bioconductor would be appreciated)
- Basic knowledge of molecular biology and genomics
- English

Contract

16 months fixed-term contract (negotiable start date).
Salary: based on the French public research institution wages and adjusted according to the candidate degree and experience.
Work location: IGBMC, 1 rue Laurent Fries, Illkirch (near Strasbourg), France.

Submission procedure

Please send a pdf file containing : a curriculum vitae, a cover letter, Msc transcript of grades, name (e-mail, phone number) of two referees (and possibly reference letters) to the following e-mail address: keime@igbmc.fr with the subject : CDD GenomEast. The position will remain open until a suitable candidate has been found.