Title: IISc Exclusively Hiring Bioinformatics/Computational Biology Candidates for Post of JRF / SRF (KSS lab) | Hurry – Apply Now

Description of Lab: Cancer development is a complex process involving the accumulation of genetic alteration in genes that normally regulate cell proliferation, differentiation, and death. In the laboratory, my research team seeks to understand the molecular mechanisms underlying the development of central nervous system tumors, particularly gliomas, which are tumors arising from glial cells. The grade IV glioma (Glioblastoma; GBM) is the most common, malignant primary brain tumor in adults. The prognosis remains poor, with median survival ranging from 12-17 months despite improvements in the treatment protocol. While the primary aim of the KSS lab is to understand glioma biology, we also develop biomarkers/signatures for better grading, prognosis, and treatment. Some specific aspects of the study focus on miRNA, DNA/RNA, and chromatin modifications. To address these changes, we use next-generation sequencing approaches. The bioinformatics analysis involves datasets derived from WGS, WES, Transcriptome-Seq, CHIP-Seq, RIP-Seq, and single cell sequencing etc.

Job Title: Junior/Senior research fellow @ Indian Institute of Science for Bioinformatics.

Job Description:
- The KSS lab of the Microbiology and Cell Biology department of IISc is looking for individuals who are well versed with Next Generation Sequencing and Microarray data analysis.
- The primary research interest of the lab is the genetics of brain tumors.
- The work will include analysis of NGS data (WGS, WES, RNA-Seq, and ChIP-Seq) data to detect novel variants and genetic abnormalities associated with cancer of glial cells.
- Furthermore, variants identified through NGS analysis will be correlated with gene expression and methylation status of in-house and external tumor samples and vice versa.
- A minimum of 2 years of commitment is necessary.
- Additional details regarding the ongoing work in the lab can be obtained from the lab
  website: https://mcbl.iisc.ac.in/kumaravel-somasundaram/ ;
  https://iiscprofiles.irins.org/profile/42723;
  https://scholar.google.com/citations?user=WFvdEFsAAAAJ&hl=en

Additional Skills Required:
- Applicants must have previous experience in NGS data analysis and Microarray data analysis.
- Applicants must be comfortable with the Linux operating system and command-line interface.
- Applicants must be well versed with at least one programming language, R/ Python, etc.

Eligibility: B.Tech/B.E./MSc or higher in Bioinformatics/Computational Biology. NET/CSIR/BINC/GATE qualified will be preferred.

Note:
- A short write-up of NGS based / Microarray-based project is mandatory.
- Contact information of three referees should be provided.

Last date for application: 27/09/2021

How to Apply:
If eligible please send your CV with contact details to **ksslabGlioma@gmail.com**