Postdoctoral Positions in Bioinformatics

Dept. Electrical and Computer Engineering & TEES-AgriLife Center for Bioinformatics and Genomic Systems Engineering (CBGSE)
Texas A&M University
College Station, Texas
https://engineering.tamu.edu/electrical/people/yu-peng

Job description

The Yu Lab is looking for self-motivated postdoctoral researchers with a strong background of bioinformatics to develop big biological data analysis tool to 1) elucidate transcriptional mechanisms and epigenetic dynamics in normal or disease processes; 2) identify novel therapeutics for common and rare diseases; 3) discovery of novel functional modules from metagenomics data.

Under the supervision of the Principal Investigator, the selected candidate will be expected to:

- Develop computational software/methods for analyzing high-throughput sequencing data, e.g., ChIP-Seq, RNA-Seq and Bisulfite-Seq data.
- Develop analysis pipelines to process and integrate multiple biological datasets.
- Publish scientific papers in peer-reviewed journals and present findings at seminars and conferences.
- Work cooperatively with lab members and collaborators.

Qualifications

- Ph.D. in bioinformatics, computer science, statistics, computer science, or a related scientific/technical discipline
- Experience in Linux
- Skills in manipulating and analyzing of large datasets and proficiency in at least one of the following programming languages: Python, R, Perl, C++
- Experiences with big biological data analysis, e.g., high throughput sequencing data.
- Excellent oral and written communication skills

Start date

As soon as possible.

How to Apply

Applicants should submit a statement of research interests and career goals, CV and sample programming code and also arrange three reference letters. All application materials should be emailed to Dr. Peng Yu pengyu.bio@gmail.com with an email subject "Postdoctoral Application".