Bioinformatics Postdoctoral Associates

Texas Tech University Health Sciences Center is a top 100 Best Medical School (Ranked 19 in Primary Care by US News). Texas Tech University is an R1 University. It is the second largest contiguous campus (1,900 acres) in the US, and the only university in Texas to house an undergraduate and graduate university, law school, and medical school on the same campus.

**Lab Description:** The Li Bioinformatics and Computational Genomics Lab ([dlab.org](http://dlab.org)) is seeking outstanding Postdoctoral Associates in genomic sequencing data analyses and pipeline development to join our new lab and planned new Center for Genomic Medicine. About our lab: Largest ME/CFS genomics program; State-of-the-art HPC; Strong mentoring and support team. Example of our recent papers: *Genome Res* PMID: 30872350; *Bioinformatics* PMID: 30895294. The University and lab are fully committed to supporting trainee’s career development. **Salary is highly competitive** and is commensurate with experience and productivity.

**Responsibilities:**
- Conduct genomic data-analyses (genome, transcriptome, methylome, etc.) from FASTQ/BAM files, integrative multi-omics analyses, transposable element analyses, and/or other genomic/bioinformatics analyses or software development.
- Method and software comparisons and benchmarking of available tools. Design, develop, and implement new bioinformatics pipelines.
- Optimize pipelines and parameters specific to project(s). Perform quality assurance of all workflows and analyses. Ensure all essential positive and negative controls included.
- Read literature related to current projects and incorporate into the projects.
- Maintain accurate records of methods, software, and parameters used. Ensure reproducibility.
- Draft reports and original manuscripts for publications. Present in meetings and conferences.
- Work carefully, pay attention to details, and troubleshoot bugs. Adhere to deadlines.
- Performing other job-related duties as assigned. Demonstrate self-motivation.

**Required Minimum Qualifications:**
- PhD or equivalent doctorate (e.g., D.Sc., M.D.) in area of project specialization.
- Knowledge of modern research practices, the methods, resources, and standards thereof. Ability to organize work effectively, conceptualize and prioritize objectives and exercise independent judgment based on an understanding of organizational policies and activities. Ability to integrate resources, policies, and information for the determination of procedures, solutions and other outcomes. Ability to establish and maintain effective work relationships with other employees and the public. Ability to plan and allocate the workload of employees, providing direct training and supervision as needed.

**Preferred Minimum Qualifications:**
- Experience in Linux command lines, HPC, genomic, transcriptomic and/or epigenomic data analyses, and/or related software comparisons and new pipeline development, etc.

**City of Lubbock:** With a population of 326,546, Lubbock metro ranks as the No. 1 place for new grads. Roughly 1 in 5 residents is in their 20s, making it a good place to find friends and build a social circle. Low living costs; no State Income Taxes; ~262 days of sunshine/year, etc. See [Photos](https://dllab.org/positions/postdoc.pdf).

To **apply**, all applicants must submit to: [https://sjobs.brassring.com/TGnewUI/Search/Home/Home?partnerid=25898&siteid=5283#jobDetails=810460_5283](https://sjobs.brassring.com/TGnewUI/Search/Home/Home?partnerid=25898&siteid=5283#jobDetails=810460_5283), or click Job ID link: 34283BR. For question, please ask the PI with CV at: [dllab.bioinformatics@gmail.com](mailto:dllab.bioinformatics@gmail.com) or [dawei.li@ttuhsc.edu](mailto:dawei.li@ttuhsc.edu). The positions are open until filled. The position updates can be seen ([https://dllab.org/positions/postdoc.pdf](https://dllab.org/positions/postdoc.pdf)).
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