TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER™

Ph.D. Scholarship for Bioinformatics and Genomics

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. Join our lab through one of our graduate programs.

Ph.D. Programs for bioinformatics and genomics research (Click for details)

- TTUHSC **Biomedical Sciences Ph.D.** #Accepting **now**.
- TTU **Biology Ph.D.** #Accepting **now** for Spring 2024. GRE waived.
- TTU **Computer Science Ph.D.** #Accepting **now** for Fall 2023. GRE waived.
- TTUHSC Dual Degree M.D./Ph.D.

Lab Description: The Li **Bioinformatics and Computational Genomics Lab** (dllab.org) is seeking outstanding PhD students 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 (tuition, insurance, stipend, plus bonus).

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.
- Perform other job-related duties as assigned. Demonstrate self-motivation.

Preferred Minimum Qualifications:

- Proficient in Linux command lines and HPC, with expertise in genomic data-analyses or related software development. Strong analytical and organizational skills. Ability to work independently. Good communication skills.

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**.

To **apply**, please send CV to: dllab.bioinformatics@gmail.com or dawei.li@ttuhsc.edu. The position updates can be seen (https://dllab.org/positions/PhD.pdf).

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EEO Statement
All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, disability, genetic information or status as a protected veteran.

Jeanne Clery Act
The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act is a federal statute requiring colleges and universities participating in federal financial aid programs to maintain and disclose campus crime statistics and security information. By October 1 of each year, institutions must publish and distribute their Annual Campus Security Policy & Crime Statistics Report (ASR) to current and prospective students and employees. To view this report, visit the TTUHSC Clery Act website.