

Bioinformatics Postdoc

A postdoctoral fellow position in bioinformatics is now available in the laboratories of [Dr. Ling Cai](#) at the Quantitative Biomedical Research Center in the Peter O'Donnell School of Public Health and [Dr. Ralph DeBerardinis](#) at Children's Research Institute at UT Southwestern Medical Center at UT Southwestern Medical Center at Dallas, to study cancer and metabolism with computational approaches.

The training activities for this position will focus on advancing key aspects of our funded research, including the harmonization and integration of large-scale molecular datasets, pathology image analysis, and spatial transcriptomics. Candidates will gain expertise in the development and application of novel bioinformatics tools and workflows tailored for cross-model comparisons and fidelity assessments between preclinical models and human tumors. This position offers the opportunity to lead projects involving integrative analysis of metabolomics and multi-omics data, particularly in the context of lung cancer and genetic diseases.

We are seeking highly motivated individuals with exceptional analytical and problem-solving skills. The postdoc will play a pivotal role in analyzing high-dimensional datasets, developing computational pipelines, and contributing to the construction of a comprehensive web-based platform for lung cancer research. Additionally, the candidate will support the development of data-driven approaches to study tumor microenvironment heterogeneity and its metabolic implications, thereby addressing critical gaps in preclinical model fidelity and translational research.

Candidates with a Ph.D. in biostatistics, epidemiology, computational biology, bioinformatics, or biology with advanced data analysis skills are encouraged to apply.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs>.

Interested individuals should send a CV, statement of interests, and a list of three references to:

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<https://cri.utsw.edu/scientists/ralph-deberardinis-laboratory/>

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