

Postdoctoral Fellow: Computational Biology (Single-Cell & Spatial Omics)

The **Yu Lab**, situated within the Department of Cancer and Cellular Biology at Temple University's Lewis Katz School of Medicine (LKSOM) and the NCI-designated Fox Chase Cancer Center (FCCC), is seeking enthusiastic and highly self-motivated Postdoctoral Fellows to join our team in **July 2026**.

Our lab operates at the intersection of genomics, data science, and cancer biology. We offer a dynamic, interdisciplinary environment with a deep commitment to mentorship, scientific discovery, and professional growth.

Research Mission

The Yu Lab (<https://wbyulab.org/>) investigates how cancer cells adapt to their microenvironment to drive treatment resistance, relapse, and metastasis. We leverage cutting-edge single-cell and spatial omics, advanced statistical modeling, and machine learning, alongside collaborative functional studies, to uncover the mechanisms of **cancer cell plasticity**. Key research areas include:

- Transcriptional and epigenetic regulation
- Cell-cell-communication within the tumor microenvironment
- The impact of inflammation on the plasticity of cancer cells

What You Will Bring

- A Ph.D. in Computational Biology, Bioinformatics, Genomics, Statistics, or a related quantitative field
- Proficiency in analyzing and interpreting bulk or single-cell genomic/epigenomic datasets
- Proficiency in R or Python programming and experience working in High-Performance Computing (HPC) environments
- Demonstrated publication record and ability to work collaboratively
- Prior experience in spatial omics or cancer biology is a plus

Compensation & Benefits: Salary will be commensurate with experience and aligned with NIH postdoctoral scales. A comprehensive benefits package will be provided following Temple University policies.

How to Apply

Submit your CV and a cover letter outlining your research interests and goals, and the contact information for at least two references to **Wenbao Yu, PhD** at wenbao.yu@temple.edu.