



## Research assistant in cancer genomics at Yale University

The Sheltzer Lab at Yale University is seeking a research assistant for a cutting-edge project applying CRISPR to dissect drug targets in cancer.

Cancer cells require the expression of certain genes, called “addictions” or “genetic dependencies”, that encode proteins necessary for tumor growth. Targeting the proteins encoded by these genes can trigger cell death and durable tumor regression. The Sheltzer Lab is applying CRISPR to study genetic dependencies in cancer in order to identify new therapeutic vulnerabilities and targets for drug development. Additionally, through CRISPR mutagenesis, we investigate the on-target and off-target effects of different cancer drugs, with profound implications for their clinical use.

The researcher will learn and apply multiple laboratory methods, including CRISPR-based gene targeting, nucleic acid preparations, gel electrophoresis, western blotting, and flow cytometry, to investigate the biology of cancer. The successful candidate will have strong data analysis skills, and will be comfortable performing as well as interpreting the results of experiments in molecular biology.

**This position is ideal for recent college graduates seeking to gain additional research experience before applying to graduate school or medical school, though candidates with other backgrounds will also be considered.** We are looking for a candidate who is able to start in October or November 2021, and who can commit at least 18 months to the position.

### Position Requirements

- A Bachelor’s degree in a biology, chemistry, molecular biology, or a related scientific discipline.
- 2+ years of research experience in a molecular biology lab or a Master’s degree in a relevant scientific discipline.
- Strong communication, organization, and data analysis skills.

Yale University is an internationally-renowned research institution located in the historic city of New Haven, Connecticut. The Sheltzer Lab is affiliated with the Department of Genetics and the Department of Surgery within the Yale School of Medicine. Yale has long been recognized as an outstanding environment for nurturing young scientists, and Yale employees receive a competitive salary and benefits package.

The Sheltzer Lab is a highly-collaborative environment that values rigorous research and that welcomes scientists from all backgrounds. More information on research in the Sheltzer Lab can be found on our website: [www.sheltzerlab.org](http://www.sheltzerlab.org). Candidates who are interested in applying to this position should send a CV and cover letter to Dr. Sheltzer at [Jason.Sheltzer@yale.edu](mailto:Jason.Sheltzer@yale.edu).

Yale University is an EO/AA Employer. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or protected veteran status.