

**Research Technician
Pellman Laboratory
Dana-Farber Cancer Institute**

Overview

The Pellman Laboratory (<https://pellmanlab.dana-farber.org>) at the Howard Hughes Medical Institute and the Dana-Farber Cancer Institute in Boston is seeking a highly motivated Research Technician to assist in a laboratory studying cell division and cancer biology. The laboratory uses a combination of genetics, biochemistry, and live-cell imaging to study cell division and the maintenance of genome stability. Projects are aimed at understanding mutational processes that drive rapid evolution of genomes. The processes we study explain the majority of genome rearrangement in cancer and are also relevant to genetic disease and organismal evolution.

Under general supervision, the Research Technician will perform a variety of laboratory and investigative procedures including routine experimental techniques such as electrophoresis, centrifugation, Western blot, real-time quantitative PCR, molecular cloning, and tissue culture. Many projects employ quantitative imaging and image analysis. Technicians will need to collect, verify, record, and compile data and information in support of research.

Our technicians are encouraged to take intellectual ownership of their projects. Our technicians present at lab meetings, contribute to manuscripts, and attend national conferences. Approximately 85% of time worked will be dedicated to research, with remaining time spent ordering supplies and performing other lab management responsibilities. Many former technicians from the laboratory have been accepted to top Ph.D., M.D./Ph.D. or M.D. programs. Recent examples include two students doing a Ph. D. at Stanford and students matriculated into the M.D./Ph.D. programs at UT Southwestern and the Cornell/MSKCC/Rockefeller program. Several former technicians are now independent investigators. Technicians typically work with a postdoctoral fellow; however, a few technicians have had independent projects.

Located in Boston and the surrounding communities, Dana-Farber Cancer Institute brings together innovative researchers and world renowned scientists and clinicians, allies in the common mission of conquering cancer and understanding basic human biology. Combining extremely talented people with the best technologies in a genuinely positive environment, we conduct basic research that advances treatment; we educate tomorrow's physicians and researchers; we reach out to underserved members of our community; and we work with amazing partners, such as the Department of Cell Biology at Harvard Medical School.

Responsibilities

- Work with postdoctoral scientists to perform various investigative procedures and operate a variety of instruments and other scientific equipment.
- Collect, record, organize, and verify the accuracy of data; perform calculations and prepare charts, graphs and reports. May use software applications to assemble, manipulate and/or format data and test reports.
- Configure, operate and maintain laboratory apparatus and instruments; read and record instrument data; tabulate data; keep laboratory records.
- Order chemicals, reagents, and other laboratory supplies.
- Participate in laboratory meetings and planning sessions.
- Responsible for lab organization and orders.
- Keep accurate record of all work.
- Maintain strains and cell lines.
- Serve as laboratory safety and radiation safety representative.

- Read and interpret literature applicable to research areas as required.
- Inquisitive thinker who will impact the scope and direction of research projects.

Qualifications

- Bachelor or Master of Science degree in an appropriate field of science or technology.
- Prior laboratory experience.
- Molecular Biology skills are required. Experience with microscopy and tissue culture would be beneficial.
- Ability to draft routine reports and keep accurate records of work performed.
- Actively seeks opportunities to increase skills and expertise.
- Able to learn complex tasks with general instruction.
- Able to learn and perform a variety of new techniques.

Please send resume and cover letters to: harriet.scott@dfci.harvard.edu

NOTE: this position will require a two year commitment

Dana-Farber Cancer Institute is an equal opportunity employer and affirms the right of every qualified applicant to receive consideration for employment without regard to race, color, religion, sex, gender identity or expression, national origin, sexual orientation, genetic information, disability, age, ancestry, military service, protected veteran status, or other groups as protected by law.