

Research technician

Job Description

About Team:

The laboratory of Zuzana Tothova, MD, PhD is a multi-disciplinary team of physician scientists, scientists and computational biologists at the Dana-Farber Cancer Institute and the Broad Institute. Our laboratory uses genomics and a range of molecular and cellular biological techniques to elucidate the molecular basis of cancer and hematologic disorders and to develop novel therapeutics. Our specific focus is to understand the role of chromatin modifiers and epigenetic factors and find novel therapeutic opportunities in myeloid malignancies, including myelodysplastic syndromes and acute myeloid leukemia.

JOB TITLE: Research technician I

FLSA: Full-time

REPORTS TO: Zuzana Tothova, M.D., Ph.D.

DEPT: Medicine Oncology/ Heme Neoplasia

General Summary

A full-time Research technician position is available in the laboratory of Zuzana Tothova, MD, Ph.D. at Dana-Farber Cancer Institute.

We are seeking enthusiastic, self-motivated individuals who thrive in a fast-paced, challenging research environment, and can interact well with others as part of a cohesive team. If you have a desire to make a significant impact in healthcare and have the fortitude to work hard, you will succeed within this team.

This is an ideal entry-level position into the world of cutting-edge laboratory research. A growth mindset and a willingness to take on challenging learning opportunities will be sought out traits. Ideal candidates will possess strong interpersonal skills along with a desire to help others to succeed.

Previous team members have gone on to successful academic and career opportunities; graduate/medical school, independent faculty, consulting, and industry.

The successful candidate will be involved in a series of research activities, including building in vitro and in vivo human disease relevant models, experimental design, testing model systems in cellular and molecular assays, including in a high-throughput manner, use of next generation sequencing as well as molecular and

cellular biology experiments with a special emphasis on understanding the biology of human myeloid malignancies.

PRINCIPAL DUTIES AND RESPONSIBILITIES:

- Participates in the maintenance of mouse colony, tissue processing including peripheral blood collection and organ dissection, sample processing and preparation for analysis.
- Performs mouse transplantation experiments, including tail vein, retroorbital and intrafemoral injections
- Performs basic molecular, biochemical and cellular biology experiments to investigate mechanisms that drive hematopoietic stem and progenitor cell transformation to myeloid malignancies
- Performs drug treatment experiments using cell lines, primary cell and mouse models of human disease
- Designs and carries out small independent projects and joins in team efforts for larger scale experiments.
- Documents, compiles, and analyzes experimental data. Reports data in oral and written reports.
- Attends team meetings to shares results, plan projects and experiments.
- Maintains and improves technical knowledge base.
- Operates and maintains laboratory equipment to complete investigations.
- Prepares, orders, and maintains stocks of necessary reagents, solutions and supplies.
- Other related tasks as required.

QUALIFICATIONS:

- Bachelor degree in the life sciences or related field required.
- Experience with basic laboratory techniques and principles of molecular biology and genetics are required.
- Experience with mouse work is a plus.
- Excellent written, documentation and oral communication skills required.
- Strong organizational skills, including the ability to handle a variety of tasks in a fast-paced environment required.

SKILLS / ABILITIES / COMPETENCIES REQUIRED:

- Passion for science and strong motivation
- Strong interpersonal, communication and organizational skills, including the ability to handle a variety of tasks in a fast-paced environment, positive attitude and attention to detail, as well as ability to think on one's feet are required.
- Must possess a high level of initiative, curiosity and dedication, proactivity in identifying problems and solutions to address them.
- Must be a strong team player.
- Extensive mouse experience is a plus.
- Basic computational experience is not required but is a plus.

We are looking for candidates with at least 2 years of availability.

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.

If interested, please upload your cover letter describing your fit for the position and future plans, as well as your CV at: <https://careers.dana-farber.org/job/research-technician-tothova-lab-research-laboratory-boston-ma-37809/>