

Job Title: Research Technician

Job Family: Research

Job Code: 000319 & 001593

Grade: 13 & 14

Department: All Research Departments

GENERAL SUMMARY/ OVERVIEW STATEMENT:

The Ringel Laboratory at The Ragon Institute of MGH, MIT & Harvard is inviting applications for a full-time research technician position in Cambridge, MA. We seek highly motivated and talented candidates to apply. The selected candidate will join a vibrant research community dedicated to mechanistic studies of immunity in tumors and other disease states. We seek to identify molecular pathways that enable T cells to function during stress and may be targeted to improve human health. The ideal candidate values a **scientifically rigorous, positive, and collaborative** environment. The hired candidate will also be an affiliate of MIT and will have access to the resources, facilities, seminars, and research environment there. The Ragon Institute is a leading research center focused on immunology and human disease. The Ragon Institute is located adjacent to the MIT campus in Cambridge and is fully integrated within the MGH, Harvard, and MIT research communities. This is an excellent opportunity for a new college graduate to gain hands-on research experience and grow under the mentorship of the PI, Dr. Alison Ringel. As part of our team, you will design and perform scientific experiments, support ongoing research efforts in the laboratory, and assist in publishing manuscripts. We are looking for a candidate who can make a minimum commitment of 2 years and is excited about training and working in a top-notch scientific community.

PRINCIPAL DUTIES AND RESPONSIBILITIES:

The duties and responsibilities described below are representative; specific responsibilities may vary as the needs of the lab develop and change.

- Perform standard molecular biology and immunology techniques (cloning, DNA and RNA extraction, quantitative PCR, gel electrophoresis, flow cytometry, library preparation for next generation sequencing)
- Maintain detailed lab notebook documenting all experimental work
- Independently perform laboratory experiments of moderate complexity
- Analyze experimental results and troubleshoots experiments to improve outcomes
- Assist in cell isolation, processing, and in vitro cell culture in a BSL-2 setting
- Assist in inventory of laboratory supplies and reagents
- Participate in ongoing quality control/assurance programs
- Support mouse colony (manage husbandry and genotyping)
- Assist in large experiments, including those involving mice

- Perform data analysis and visualization in Microsoft Excel, GraphPad Prism, and Adobe Illustrator
- Meet on a weekly basis to review projects and align responsibilities with laboratory needs
- Present findings on a quarterly basis in lab meetings

SKILLS/ABILITIES/COMPETENCIES REQUIRED:

- Self-motivated and organized
- Ethical and rigorous
- Strong interpersonal skills
- Ability to work independently and as part of a team
- Excellent oral and written communication
- Positive attitude and commitment to fostering a constructive and supportive lab environment
- Curiosity about biological mechanisms and willingness to learn

EDUCATION:

Bachelor's degree in biology, chemistry, biochemistry, or a related discipline is required.

EXPERIENCE:

New graduates with some lab experience will be considered. Preference will be given to individuals with related laboratory experience.

ADDITIONAL INFORMATION:

Interested? Please send **1)** your CV, **2)** list of three references, and **3)** a cover letter to the Alison Ringel (aringel@mit.edu). Please note that recommendation letters will be requested during the process.

Ringel Lab Website:

<https://biology.mit.edu/profile/alison-e-ringel/>

<https://ragoninstitute.org/ringel/>