

## MASSACHUSETTS GENERAL HOSPITAL

Job Title: Research Technician

Job Family: Research

Job Code: 000319 & 001593

Grade: 13 & 14

Department: Ragon Institute

### GENERAL SUMMARY/ OVERVIEW STATEMENT:

The Walker laboratory (<http://www.ragoninstitute.org/portfolio-item/walker-lab/>) at the Ragon Institute of MGH, MIT and Harvard is seeking to hire a full-time research technician.

The candidate will assist in research to define molecular mechanisms by which CD8<sup>+</sup> T cells are functionally regulated in HIV-infected individuals with divergent clinical outcomes.

This position is ideal for individuals who are interested in pursuing a career in biomedical research or medicine and are looking to gain one-to-two years of meaningful research experience while working in a supportive, highly collaborative research environment with state-of-the-art facilities. The Ragon Institute is an internationally renowned immunology-focused research center located in Kendall Square, Cambridge, Massachusetts.

We are interested in hiring an enthusiastic individual with a sound understanding of cell and molecular biology and a strong interest in human immunology and infectious diseases. The candidate must have exceptional organizational skills, possess the ability to work within a team atmosphere, and be willing to work full-time with occasionally flexible hours. Prior related laboratory experience is preferred, including proficiency with sterile cell/tissue culture, familiarity with flow cytometry and molecular biology practices, demonstrated competence in relevant research techniques and methodologies and the ability to read and comprehend scientific literature.

This position will involve both cellular and molecular laboratory bench work including but not limited to the following:

- Processing and maintenance of patient-derived cells and tissues
- Multi-parameter flow cytometry
- RNA and DNA library preparation and next-generation sequencing (NGS)
- CRISPR/Cas9 gene editing
- Immunohistochemistry staining and confocal microscopy
- Enzyme-linked immunospot (ELISPOT) assays
- Work in both BSL1 and BSL2+ environments
- Attend and participate in weekly lab meetings and scientific discussions

### PRINCIPAL DUTIES AND RESPONSIBILITIES:

- Prepares basic solutions and performs base-level procedures as assigned (i.e. – pipetting, cell and tissue culture, etc.)
- Maintains laboratory notebook

- Understands and applies basic scientific techniques
- Conducts analysis of results and may begin interpretation of results
- Sets up and prepares routine experiments as directed
- Prepares lab reagents, chemicals, instruments and equipment
- May perform independent literature searches
- Assists with organizing materials for publication or presentation
- Maintains and orders supplies

**SKILLS/ABILITIES/COMPETENCIES:**

- Ability to work independently and as a team member
- Good communication skills
- Computer literacy
- Working knowledge of clinical research protocols
- Ability to perform multiple tasks independently

**EDUCATION:**

Bachelor's degree required.

**EXPERIENCE:**

Recent graduates with some lab experience (via course work, internships, etc.) or those without any prior research experience will be considered for the Research Technician I position outlined above. Those with a minimum of 1 year of **directly related** work experience will be considered for a Research Technician II position.

**SUPERVISORY RESPONSIBILITY:**

A Research Technician II may serve as a team leader to lab assistants and other technicians.