

MASSACHUSETTS GENERAL HOSPITAL

Job Title: Research Technician Job Family: Research

Job Code: 000319 & 001593 Grade: 13 & 14

Department: All Research Departments

GENERAL SUMMARY/ OVERVIEW STATEMENT:

The Ragon Institute of MGH, MIT and Harvard specifically focuses on HIV-based human immunology, with the purpose of harnessing the immune system to fight human disease. The laboratory team led by Dr. Bruce Walker, the Director of the Ragon Institute (<http://www.ragoninstitute.org/portfolio-item/walker-lab/>), is currently looking to fill the position of Technician I. Research interests include characterizing mechanisms of CD8+ T cell control of HIV infection and exploiting these mechanisms to help achieve a functional cure for HIV infection. The ideal candidate for this position would have a background in immunology, virology, and biochemistry, an interest in a career in medical sciences, and experience working in a previous laboratory setting. Experimental day-to-day work will include human tissue culture work, flow cytometry, molecular cloning, microscopy, and potentially small animal experiments. A minimum time commitment of two years will be required.

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

A Research Technician II performs the duties of a Research Technician I (above) and may also:

- Execute protocols of non-routine experiments
- Assist the PI(s) with determining the most suitable methodology
- Perform basic design and modification of protocols
- Calculate, transcribe and analyze data
- Prepare and present reports
- Organize and summarize acquired data, using scientific and statistical techniques.
- Organize and/or draft material for the preparation of research papers, manuscripts and other documents for publication and/or presentation.
- Participate in the design of experiments or field work.

SKILLS/ABILITIES/COMPETENCIES REQUIRED:

- 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

The Research Technician II should also possess:

- Analytical skills and the ability to resolve technical problems
- Ability to interpret acceptability of data results
- Working knowledge of data management programs
- Demonstrated competence in research techniques and methodologies

EDUCATION:

Bachelor's degree required.

EXPERIENCE:

New 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 (if applicable):

A Research Technician II may serve as a team leader to lab assistants and Research Technician I's.