

## MASSACHUSETTS GENERAL HOSPITAL

Job Title: Research Technician I

Job Family: Research

Job Code: Grade:

Department: All Research Departments

### GENERAL SUMMARY/ OVERVIEW STATEMENT:

The Biosafety Level 3 (BSL3) lab at the Ragon Institute of MGH, Harvard and MIT is seeking a full-time research technician. The candidate will work together with a dynamic team to study viral pathogenesis, including SARS-CoV-2, with the goal of facilitating collaborative work on COVID-19 projects, understanding the effect of viral infection on host cell biology and characterizing viral properties of SARS-CoV-2 variants. The position offers significant opportunity for both the development of technical skills and intellectual growth. No knowledge of BSL3 techniques and protocols are expected; all required training will be provided.

### 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 including troubleshooting
- 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
- Excellent organizational skills and attention to detail
- 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.