

## **JOB DESCRIPTION**

**Job Title: Postdoctoral Research Fellow at the Ragon Institute of MGH, MIT and Harvard studying TB pathogenesis and innate immunity.**

**Salary Plan:** Exempt

**Lab:** Barczak

**Direct Supervisor:** Amy K. Barczak MD, Assistant Professor in Medicine

**Employing Hospital and Department:**

Ragon Institute of MGH, MIT, and Harvard

**Minimum degree and field of knowledge:** PhD and/or MD. Preference will be given to individuals with experience in innate immunity, cell biology, microbial genetics, or murine models of disease.

**Years experience required:** 0-2 years of post-doctoral research experience

**Summary:**

The Barczak lab at the Ragon Institute of MGH, MIT and Harvard at the Massachusetts General Hospital in Boston has an opening for a highly motivated postdoctoral fellow to study the mechanisms through which the bacterium that causes TB, *Mycobacterium tuberculosis*, undermines protective innate immune functions. The person hired will work under the supervision of Dr. Barczak applying a variety of techniques including microbial genetics, cell biology, microscopy, transcriptional profiling, single-cell analysis, and murine models of infection to elucidate the host-pathogen interactions that contribute to TB's pathogenic success. State-of-the-art facilities are available within an exceptionally energetic research setting.

**Job Duties:**

Under the direction of the principal investigator, the applicant will independently carry out activities performing laboratory research. Duties include:

- Guide research projects through experimental design, conduct of experiments, and analysis of data
- Maintain detailed documentation of the experimental work
- Present data within and outside of the laboratory group at meetings and symposia
- Work closely within the group and with outside collaborators
- Mentor students and technicians
- Maintain close communications with the PI regarding progress
- Write, edit, and submit manuscripts/abstracts detailing the results of the project
- Demonstrate integrity, excellence, accountability and teamwork in all interactions

**Qualifications:**

- A Ph.D. and/or M.D. with research experience in a relevant area
- Highly motivated and independent, with the ability to work in a dynamic team environment
- Exceptional organizational skills and excellent attention to detail
- Strong oral and written communications skills

- Must have good interpersonal skills
- Occasional weekend or evening flexibility

**Application information:** The position is open immediately although the start date is flexible. Please submit a cover letter and CV including references.

\_\_\_\_\_  
**Approved by (Print Name)**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Supervisor (Print Name)**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**New Hire Employee (Print Name)**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**