



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 interactions between the bacterium that causes TB, *Mycobacterium tuberculosis*, and the host immune system. We apply a range of cutting-edge techniques to study this problem, including CRISPR screening, single-cell technologies, and live-cell microscopy together with bacterial genetics and cellular and murine models of infection. The lab is a dynamic and highly collaborative environment, and trainees benefit from both the local environment at the Ragon and learning and professional development opportunities available through our member institutions, including Harvard Medical School and the Broad Institute. The Ragon Institute offers a culturally diverse work environment.

**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 innate immunity, cell biology, bacterial genetics, or models of infection
- 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