**Scope of Services**
An academic microbiology lab at Brigham and Women’s Hospital/Harvard medical school is seeking a highly motivated research trainee.

This is an excellent opportunity for recent college graduates who are seeking to go onto graduate or medical school.

**About the Research:**
The research goals of the laboratory are:

- To evaluate the efficacy of various vaccine candidates of three major human pathogens (*Staphylococcus aureus*, *Streptococcus pyogenes* and *Acinetobacter baumannii*) in animal (mice) models of infection
- To uncover novel virulence factors of these bacterial pathogens

**As a student, you will:**
- be part of the excitement of being a researcher in a laboratory at Harvard Medical School
- develop expertise in laboratory techniques and experimental design
- create future job and post-graduate opportunities through networking

**Training Goals:**
The skills you will be trained on are:

- Mice immunization and bleeding
- Mouse models infection including: pneumonia, bloodstream and skin infections
- Isolate DNA, run PCR reactions, and analyze via agarose gels
- Microbiologic techniques: bacterial culture, colony counting
- Analysis of data utilizing GraphPad Prism and Microsoft Excel

Date of job opening: Ongoing
Skill Set/Educational Requirements:
Prior experience in biological sciences or with work in a laboratory setting is desirable, but not necessary. Candidates need to be willing to work with mice.

Does this position entail contact with blood or body or body fluids? Yes

Training Provided: Tomas Maira-Litran, Ph.D.

Physical requirements: NO

Days/Hours: 8 h per day, 40hrs per week, 1 year

Email: tmaira@rics.bwh.harvard.edu

Date of job opening: Ongoing