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Office for Sponsored Staff and Volunteer Services  
*Research Trainee Posting*

**Department:** Division of Infectious Diseases, Department of Medicine, Brigham and Women's Hospital/Harvard Medical School

**Location:** 181 Longwood Ave, 02115, Boston, MA.

**Contact Person:** Tomas Maira-Litran

**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

**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**

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