

EnBiotix, Inc. is a next-generation, engineered antibiotics company that applies novel synthetic biology, systems biology and network biology approaches to elucidate regulatory mechanisms of action and metabolic changes. We are in search of a Research Assistant II to work as part of an inter-disciplinary team on a collaborative project with Dr. Samuel Moskowitz, MD, at Massachusetts General Hospital (MGH). The Moskowitz lab studies lung infections caused by *Pseudomonas aeruginosa*, with emphasis on chronic airway infection in cystic fibrosis (CF). Dr. Moskowitz is a physician scientist who directs the MGH CF Center, the MGH Pediatric CF Clinical Program, and the MGH CF Basic Science Program; he is also Associate Chief, Pediatric Pulmonary Unit, MGH Department of Pediatrics, and Associate Professor of Pediatrics, Harvard Medical School. The major aims of the research are to define characteristics that influence the course of infection and resistance to antibiotics, and to devise new treatment strategies. The Research Technician II will work closely with the Dr. Moskowitz and other members of the MGH and EnBiotix teams to perform experiments investigating *Pseudomonas* antibiotic resistance.

**Key responsibilities:**

- Develop and verify investigative procedures, assist in experimental design
- Perform and document experiments, analyze experimental results
- Create reports and presentations describing results and analysis
- May serve as team leader to lab assistants and Research Technician I

**Related responsibilities:**

- Prepares basic solutions and performs base-level procedures as assigned (i.e. pipetting, cell and tissue culture, etc.)
- Maintains laboratory notebook
- Has understanding of molarity
- 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
- Executes protocols of non-routine experiments
- Assists PI with determining the most suitable methodology
- Performs basic design and modification of protocols
- Calculates, transcribes and analyzes data
- Prepares and presents reports
- Organizes and summarizes acquired data, using scientific and statistical techniques
- Organizes and/or drafts material for the preparation of research papers, manuscripts, or other documents for publication and/or presentation
- Participates in the design of experiments

**Key Attributes and Skills:**

- Ability to work independently and as team member
- Analytical skills and ability to resolve technical problems
- Ability to interpret acceptability of data results
- Working knowledge of data management programs
- High degree of computer literacy

- Demonstrated competence in research techniques and methodologies
- Working knowledge of aseptic technique
- Working knowledge of and experience with preparation of bacterial growth media
- Working knowledge of bacterial culture and storage methods
- Working knowledge of and experience with laser scanning confocal microscopy and other methods of microscopic imaging
- Working knowledge of image processing and image analysis

**Job Requirements:**

The successful applicant will have a Bachelor's degree in a field of biological science plus at least one year of prior relevant laboratory experience.

Authorization to work in the US is required for this position.

If interested please send your cv and cover letter to [diane.j-m@enbiotix.com](mailto:diane.j-m@enbiotix.com).