

Description

A Research Assistant position is available in the Belas Laboratory at the Center of Marine Biotechnology, University of Maryland Biotechnology Institute in Baltimore, Maryland (USA) to conduct research on the molecular mechanisms involving signal transduction, swarmer cell differentiation, and motility of *Proteus mirabilis*. The research requires education and preferable experience in molecular microbiology, microbial genetics, protein biochemistry, and recombinant DNA methodology. Microscopy experience is a plus. Requires ability to work independently in the laboratory and meet or project deadlines.

This is a part time appointment, renewable contingent upon funding availability and satisfactory performance. Salary commensurate with experience.

Duties

- 75% - Performs advanced laboratory research activities such as: microbiological techniques (clonal isolation, growth, phenotype assessment, etc.), microbial genetic techniques (strain-, mutant-, and transcriptional fusion- constructions), molecular biology & recombinant DNA techniques, protein purification, and hybridizations, etc, and analysis of data, including generation of scientific figures and tables. May participate in the design of research studies.
- 15% - Performs routine laboratory maintenance and research activities such as: general housekeeping, preparing solutions, media, and buffers; cultures and specimens; autoradiograms and photomicrographs, executing biochemical procedures such as: electrophoresis, blotting, chromatography, and DNA extractions, etc.
- 5% - Assists with literature research, editing and preparing manuscripts, scientific illustrations and computer graphics for publication.
- 5% - Perform administrative duties such as: training and guiding students and/or other laboratory technicians; procedures and/or methods for laboratory experimentation, and ordering supplies.

Qualifications

REQUIRED:

B.S. or B.A. in Biology, Chemistry, or Biochemistry.

PREFERRED:

Previous laboratory experience in microbiology or biochemistry.

To Apply

Send or email cover letter, curriculum vitae, along with the name and address of three references to:

M. Robert Belas
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University of Maryland Biotechnology Institute
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email: belas@umbi.umd.edu