

**Research Fellow position available
in the Patek Laboratory at the University of Massachusetts Amherst**

The Patek Lab is conducting a search for a laboratory manager to assist in all aspects of laboratory experiments and day-to-day operations. Research in the Patek Lab probes the interface between physics and biology by studying the evolution of fast animal movement and communication. We examine systems such as jaw-jumping ants, sound-producing spiny lobsters and hammering mantis shrimp using tools ranging from bioacoustics and phylogenetics to high speed videography and materials testing. The Patek Lab is a member of the Biology Department and the Organismic and Evolutionary Biology graduate program at the University of Massachusetts Amherst. For more information, visit:

<http://imladris.bio.umass.edu/biology/pateklab/home>

Salary and work hours:

40 hrs/wk, salary commensurate with experience

Health insurance coverage provided for the Research Fellow only

Application deadline and materials

Review of applications will begin on May 4, 2010 and continue until the position is filled. This position will begin at the start of the fall semester 2010 and end approximately May 31, 2011 with the possibility of extension contingent on job performance and availability of funding. To be considered for the position, applications should reference search number R38401 and be sent to Lisa Barry via email (lisab@bio.umass.edu) and include the following materials:

- 1) Cover letter stating why you are interested in the position and how it relates to your future career goals
- 2) Resume or CV
- 3) Three letters of reference

Examples of duties:

- Assist with ongoing research projects including biomechanical measurements, materials testing, fluid dynamics, acoustic communication, and evolutionary analyses.
- Assist with lab management, including working with and caring for crustaceans and other arthropods, collecting and analyzing data, entering and organizing data, maintaining and developing website materials, preparing tabular and graphical information for reports and publications, maintaining computer resources.
- Provide general assistance, including photocopying, library searches, database management, running errands.
- Assist with supervising laboratory experiments and training lab members.
- Conduct field research in marine habitats, possibly using snorkeling or SCUBA diving.

Minimum qualifications:

- BS/BA in Biology, Biological Engineering or related fields
- Formal coursework in biology, calculus and physics
- Experience in at least TWO of the following areas: engineering, physics, biomechanics, evolutionary/functional morphology, animal behavior, acoustics, or marine animal care
- Previous undergraduate-level research experience and an interest in pursuing new research skills at a graduate level
- Applicant must be dependable, organized, and motivated
- Strong computing skills are needed, including basic computer programming (or a strong interest in learning how to program), word processing, spreadsheet use.
- Experience in Matlab programming is preferred.

The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are encouraged to apply.