POST-DOCTORAL RESEARCH FELLOWSHIP
Neurophysiology/Animal Locomotion

A post-doctoral fellowship is available to study the mechanisms of movement control in a soft bodied animal.

This research takes advantage of a well-characterized insect model system (larval *Manduca sexta*) to explore how soft animals move and adapt to a constantly changing environment. The experiments will involve quantification of behavior (kinematics, dynamics and interactions with the environment), making extracellular recordings from specific muscles in intact, freely moving insects, and recording from sensory nerves in reduced preparations.

This Post-Doctoral position will be based in the Biology Department at Tufts University in the Boston, Massachusetts area. The work will be carried out in a highly interdisciplinary and collaborative laboratory with excellent facilities for electrophysiology, muscle work loop analysis, motion capture, cell culture, molecular science, rapid prototyping and device fabrication. More information is available at: http://ase.tufts.edu/bdl.

The position is available immediately but the start date could be delayed for the right candidate. A background in research on animal movements or sensing is preferred and experience with basic electrophysiological techniques would be particularly advantageous. Even more important than specific skills I am interested in recruiting a scientist who will bring curiosity, enthusiasm and creativity to this project.

Contact:

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Tufts University is an Equal Opportunity/Affirmative Action Employer. Members of underrepresented groups are strongly encouraged to apply.