



## **Postdoctoral Position:**

# **Biomaterials and Muscle Tissue Regeneration**

Depts. of Biomedical and Materials Science & Engineering, Carnegie Mellon University

**Position:** Postdoctoral Fellow

**Organization:** Depts. of Biomedical Engineering and Materials Science & Engineering, Carnegie Mellon University

**Location:** Pittsburgh, PA

### **Description:**

A postdoctoral position in advanced biomaterials development and muscle tissue regeneration is available in the Departments of Biomedical Engineering and Materials Science & Engineering at Carnegie Mellon University. Research is focused on materials-based, regenerative strategies to engineer the self-assembly of cells into tissues and understand the emergence of higher-order electrical and mechanical function. Multiple projects are available including 3-dimensional nano/micro structured tissue engineering scaffolds using protein-based materials, engineered skeletal muscle soft robotic devices and bioprosthesis, and stem cell differentiation and engineered morphogenesis of cardiovascular tissues. This position is available beginning on or after September 1, 2010.

### **Qualifications:**

Applicants should have a PhD (or equivalent) in biomedical, chemical, or materials engineering, biophysics, cell/developmental biology or related fields and a strong interest in multidisciplinary biomedical research. Existing expertise in cell culture and optical microscopy are required and additional expertise in microfabrication, soft-lithography, molecular biology, stem cell biology and musculoskeletal or cardiovascular biology are highly desirable. Candidates should have a strong experimental background, academic history, and publication record, as well as excellent verbal and written communication skills. Interested candidates should email their CV, a description of research interests, up to three first author publications, and the names and contact information of 3 references to Dr. Adam Feinberg ([feinberg@andrew.cmu.edu](mailto:feinberg@andrew.cmu.edu)).

### **Contact:**

Adam W. Feinberg, Ph.D.

Depts. of Biomedical Engineering and Materials Science and Engineering

Carnegie Mellon University

[feinberg@andrew.cmu.edu](mailto:feinberg@andrew.cmu.edu)