



**Postdoctoral Position in Cancer Nanomedicine at the University of Massachusetts**

A postdoctoral position is available at University of Massachusetts, Lowell to develop novel nanotechnology-based platforms for the detection, prevention, and therapy of cancers, particularly breast cancer. Candidates with a background in biomedical engineering, material sciences, chemical engineering, or mechanical engineering are sought to develop novel nanomaterials for biomedical applications. Candidates with a strong research background in cancer biology especially in working with animal models of cancer should also apply. The successful candidate is expected to have some research experience in the design & synthesis of diagnostic and therapeutic nanomaterials, modification of biomolecules for bio-conjugation, cell culture, peptide/protein/ DNA /RNA detection, apoptosis assays, cell proliferation assays, or tissue engineering. The successful candidate will be expected to conduct research independently while working together as part of a dynamic multi-disciplinary team. The candidate should have excellent English speaking and writing skills in order to communicate effectively within multidisciplinary research teams. The successful candidate will work on an interdisciplinary project that involves chemistry, biology, biophysics and biomedical engineering. Applicants should be self-motivated, dedicated, adaptable and capable of multitasking. The project focuses on image-guided therapy of cancer with nanotechnology and has considerable translational potential.

Requirements: A PhD in the bioengineering or related field is required. Individuals holding a Ph.D. with cancer biology backgrounds who have extensive in vivo experience and biological training should also apply. Candidates should have demonstrated excellence in working with small animal models and animal handling with experience in at least one of the following: cancer biology, nanomedicine or biomedical imaging. Experience in cell culture, chemical synthesis, bioconjugate chemistry, or computational/image analysis is highly desirable, but not required.

Interested applicants should submit a detailed CV, a cover letter describing training and research experience and contact information for at least three references to:

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