

Position Announcement

Post Doctoral Research Associate

The Translational and Regenerative Medicine Imaging Laboratory in the Department of Biological Systems Engineering at the University of Nebraska Lincoln is seeking a Postdoctoral scholar in the area of tissue engineering and magnetic resonance microscopy. The general research area involved is monitoring tissue regeneration using high field magnetic resonance imaging. Investigated tissues will include, but not limited to, tissue engineered constructs originating from mesenchymal stem cells including cartilage, bone, and adipose tissues. Interdisciplinary collaboration between the imaging and biomaterial laboratories is expected. The scholar is expected to publish work in peer reviewed journals and present at international conferences. The scholar is encouraged to submit external proposals to NSF and NIH to help support independent projects.

The applicant will be trained in/exposed to multidisciplinary regenerative medicine applications including *in vivo* tissue engineering, magnetic resonance elastography, and engineering mechanics. Facilities include a state-of-the-art tissue engineering laboratory, atomic force microscope, nanoindentation, thermal imaging, finite element computational facilities, and a new 9.4T wide bore MR scanner.

Qualifications: Ph.D. in Biomedical Engineering or related field with a concentration in MRI, tissue engineering, or stem cell therapeutics. Seeking a highly motivated candidate with an experimental background, a strong academic and publication record, and the ability to work independently. Experience with cell culture, high field magnetic resonance imaging, and animal surgery is highly desirable. Salary offered will be commensurate with experience.

To apply send CV, contact information for two references, and letter of application to:

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