Applications of Ultrasound in Tissue Engineering, Imaging, and Characterization

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In this talk I will be presenting preliminary results from a recent NIH-sponsored collaboration with the Dalecki and Hocking labs in the Biomedical Engineering department at the University of Rochester.

Tissue engineering is a novel approach for repairing damaged tissue. The overall goals of the research include the development of ultrasound technologies to regulate cell growth and migration within tissue constructs, and the implementation of high frequency ultrasound-based tissue characterization techniques to monitor non-invasively cell number, size, viability, and spatial distribution of cells within artificial tissues.

Ample opportunities for student involvement will be presented.

4 pm, Wed., December 2, 2009
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