A postdoctoral position in musculoskeletal MRI with a focus on multiscale biomechanics and relaxometry is available in the Soft Tissue Bioengineering Laboratory in the Department of Mechanical Engineering.

The research focus for the position is on the measurement of in vivo strain, elastography, and relaxometry in musculoskeletal soft tissues following joint damage and repair. A key effort of the position will involve development and clinical translation of new imaging methods to evaluate articular cartilage health following reconstruction of the anterior cruciate ligament.

A candidate with a background in MRI and pulse programming or biomechanics is preferred. The candidate will be expected to develop a strong understanding of experimental imaging techniques and pulse sequence design in the context of tissue structure and function, and will work with a highly interdisciplinary team of basic scientists, and human and veterinary clinicians. The position is funded by grants from the National Institutes of Health.

The CU Boulder MRI Facility is equipped with a whole-body, state-of-the-art 3T (Siemens) MRI scanner for imaging of the brain, spine, and knee.

The University of Colorado is an equal opportunity employer. Candidates of underrepresented populations are encouraged to apply. CU Boulder is located along the Front Range of the Rocky Mountains, conveniently near Denver. Boulder is consistently ranked as one of the best cities in the country in terms of quality of life.

Applications for this position should include a CV, brief statement of research interests and background, and the contact information for 2-3 references, and should be emailed as an attachment to:

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