



Clarkson

Biomechanics graduate student wanted!

desired start date: Fall 2020

Join a dynamic group of researchers studying the interplay between spinal laxity, vertebral fracture development, and clinical assessments thereof. Using ex-vivo and in-vivo experiments, our ultimate goal is to prevent chronic low back pain by improving diagnosis, treatment, and prevention of injury.

The student will be mentored by Profs. Laurel Kuxhaus (*Orthopaedic Biomechanics Laboratory*) and Art Michalek (*Connective Tissue Mechanics Laboratory*) in the Department of Mechanical & Aeronautical Engineering at Clarkson University.

The ideal candidate has:

- Willingness to learn, eagerness to ask questions, and a “how can we make this work?” mentality;
- A strong background in mechanics;
- Hands-on experience with mechanical testing, instrumentation hardware, and data processing;
- Keen attention to detail;
- Familiarity with the use of tissue in research; and
- The desire to mentor undergraduates and introduce them to good research practices.

Clarkson University in Potsdam, NY is a small institution in northern New York state with easy access to recreational opportunities in the Adirondack park and cosmopolitan cultural offerings of Ottawa and Montreal. Graduate students enjoy a high degree of autonomy while working closely with faculty and receive mentoring in both research and career development. Graduate alumni of these labs have primarily gone on to careers in industry and government labs.

Want to know more? Contact Profs. Laurel Kuxhaus (lkuxhaus@clarkson.edu) or Art Michalek (ajmichal@clarkson.edu). Tell them what your favorite winter activity is and why you would be a good fit for this position.



ORTHOPAEDIC BIOMECHANICS
AT CLARKSON UNIVERSITY

