JOB TITLE: CFBR2 - Computational Modelling Assistant

DEPARTMENT NAME: Centre for Biomedical Research

CONTACT NAME: Dr. Josh Giles

JOB DESCRIPTION:

The Computational Modelling Assistant will work to support the inter-disciplinary biomechanics research conducted in the Orthopaedic Technologies & Biomechanics Lab by assisting with the creation of computational models essential to this work. This will include training in computational modelling softwares including Abaqus, Mimics, and OpenSim. The extent that the student uses each of these packages will depend on their interests and skill level as well as the progress of the research program. Responsibilities will include segmentation of medical images, creation of 3D reconstructed models, refinement of models for use in statistical modelling procedures, and creation of finite element simulations from the developed 3D models. For information on the research activities of the Orthopaedic Technologies & Biomechanics Lab please visit: https://www.uvic.ca/engineering/mechanical/faculty-and-staff/faculty/jwgiles.php

QUALIFICATIONS:

Academic: Enrolled in an applicable undergraduate program of studies.

Personal: Reliable and detail-oriented. Able to work independently and as part of a multidisciplinary team.

Technical: Strong computer skills and some knowledge of computer modelling techniques. Mandatory WHIMS training.

JOB LOCATION ON-CAMPUS: ELW B - 127

WORK STUDY WAGE: $13.50/hour (including 4% vacation pay)

DEPARTMENT TOP UP: $0

HOURS AVAILABLE: 100

HOW TO APPLY: Email CV and cover letter to jwgiles@uvic.ca

Applicants must be eligible for Work Study Program
For details go to: http://www.uvic.ca/registrar/safa/work-study/index.php