Dec 12, 2018

Job Title: Postdoctoral fellowship and Ph.D. Scholarship in Agent-Based Modeling of Complex Tissues for Cryobiology

Job Location: University of Saskatchewan, Saskatoon, SK, Canada

Full time

Description: Come be a part of this exciting and growing multidisciplinary research group! Prof. James Benson (Cryobiology Laboratory) in the Department of Biology at the University of Saskatchewan is seeking two researchers in Cryobiology with an emphasis in agent based mathematical modeling of complex tissues. In particular, we are filling a Ph.D. Position and a two-year Postdoctoral Fellow position starting as soon as possible. Prof Benson's research focuses on biophysical/biochemical modeling to rationally address the mechanisms of damage accrued during cryopreservation of tissues and organs. All lab members are trained in both benchtop lab work and computer modeling. Multiple collaborative opportunities exist both within the lab and on campus using cutting edge experimental and computational tools, and with worldwide collaborators trying to successfully cryopreserve a number of clinically relevant tissues for medical and agricultural applications. Ample opportunities to publish and present work in high impact national and international settings will be available.

Well qualified applicants will have a MSc or Ph.D. in a computationally intensive discipline, strong C++ skills, and a strong background in biophysics, agent based modeling, or computational biology. Non-North American Applicants will need to meet U of Saskatchewan English language requirements (see: https://grad.usask.ca/admissions/admission-requirements.php#Englishlanguageproficiencyrequirements). Compensation for Ph.D. is the standard U of S Dept. of Biology Ph.D. rate, and compensation for Postdoc will depend on qualifications and experience.

Website: https://artsandscience.usask.ca/profile/JBenson

How To Apply:
Please email a cover letter indicating your interest in , CV, transcripts, and proof of English language credentials if needed to james.benson@usask.ca