



Post Doctoral Fellowship Position Available in the Pelling Lab

The Pelling Lab utilizes Atomic Force Microscopy (AFM), Confocal Microscopy, Cell and Molecular Biology to develop a multi-scale, multi-parameter description of the underlying control of mechanical properties and force transduction pathways in living cells. The Pelling Lab is a highly interdisciplinary group of people with backgrounds in Physics, Chemistry, Biochemistry, Biomedicine, Optics and Engineering.

A post doctoral fellowship position funded by NSERC and the Canada Research Chairs program is available in the Pelling Lab as early as **September 2010**. The project will focus on the study of nanomechanical force transmission through the cytoskeleton of living cells and the influence of the mechanical microenvironment. Applicants will gain knowledge in local probe techniques, instrumentation design, molecular biology and advanced optical microscopy.

Interested candidates should email Dr. Pelling directly (a@pellinglab.net) with a CV and statement of research interests. Candidates should also have three letters of reference sent to Dr. Pelling by email. Applications will not be considered until all documents are received. Canadian citizens or permanent residents are preferred but any application which includes all of the required supporting documentation will be considered.

Candidates must have a PhD or be within six months of graduation. Experience and demonstrated proficiency (first author publications) is a must in any or all of the following: Scanning Probe Microscopy, Fluorescence/Confocal Microscopy, Mammalian Cell Culture, Molecular Biology, Cell/Tissue Mechanics, Microfabrication, Computational Image Registration/Processing.

Applications will be accepted until the position is filled.

See the Pelling Lab website (www.pellinglab.net) for more details on publications, research directions and contact information.