

Seminar Series of the
CIHR Training Grant in
**Protein Folding and
Interaction Dynamics**

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**Effect of surfaces in
modulating protein
folding and aggregation
mechanisms**

Protein-surface interactions are ubiquitous in the crowded cytosol, where proteins encounter a variety of surfaces, ranging from membranes surfaces, to the surfaces presented by chaperone molecules. Protein-surface interactions are also at the heart of a number of emerging technologies, including protein micro-arrays and biosensors. The effect of surfaces on protein structure and stability can vary substantially depending on the chemical composition of the surface. In this talk, I will present coarse-grained as well as detailed atomistic simulations of the folding and aggregation of a small beta-sheet protein in the presence of graphite and self-assembled monolayer surfaces.

Host: Dr. Régis Pomès *Please note special day, time and location*

Wednesday, April 9, 2014 - 11:00am
CCBR Red Room
University of Toronto