



THE CHINESE UNIVERSITY OF HONG KONG
Department of Physics
COLLOQUIUM

Improving the Computational Microscope for Biological Macromolecules

by

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Date: February 10, 2012 (Friday)

Time: 2:00 - 3:00 p.m.

Place: L2 Science Centre, CUHK

(Light refreshments will be served 20 minutes prior to the colloquium.)

ALL INTERESTED ARE WELCOME

Abstract

Molecules are constantly in motion, dancing between configurations that can be very distinct. These structural fluctuations can have important implications on the behavior of biological macromolecules, affecting phenomena ranging from enzyme catalysis to ligand binding. Computer simulations are a powerful tool for studying molecular systems, but often fail to capture the full extent of available structural diversity. Recent developments in nonequilibrium statistical mechanics hold promise in addressing this limitation.

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