

Chez Pierre

Presents ...

Wednesday, February 25, 2015

12:00pm

MIT Room 4-331



Special Biophysics Chez Pierre Seminar

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“Using fluorescence microscopy and fluid mechanics to reveal how biological materials move through fluid ”

Abstract: Using fluorescence microscopy and fluid mechanics to reveal how biological materials move through fluid.

Synopsis:

Most biological processes are aqueous, and the physics of micro-scale movement in fluid environments can be counterintuitive. I will discuss recent experiments with the theme of building up a three-dimensional, microscopic picture of motion. Multi-component lipid membranes are fluids whose flow can be observed to couple closely to that of the surrounding water.

Observations on a slightly larger scale illuminate the dynamics of embryonic cell sheet folding