LAUFER CENTER
FOR PHYSICAL AND QUANTITATIVE BIOLOGY

Seminar 2017

Towards in-vivo biochemistry

This talk will present new statistical tools for analyzing single-particle tracking data from thousands of individual fluorescent proteins in living cells. These methods optimally sort individual protein tracks from a large population of tracks into discrete diffusive states, each of which may correspond to a different biochemical state. Application of these methods can also reveal transitions among the different states found, offering the prospect of eventually being able to characterize biochemistry and systems biology in individual living cells.

Field of Study: Experimental Condensed Matter Physics / Biophysics

Simon Mochrie
Professor of Physics
Professor of Applied Physics
Yale University

Friday December 1, 2017

2:30 PM Laufer Center 101

Host: Jin Wang

Refreshments: Hub 110 after seminar

Stony Brook University

For a disability related accommodation,
please call 631-632-5400