

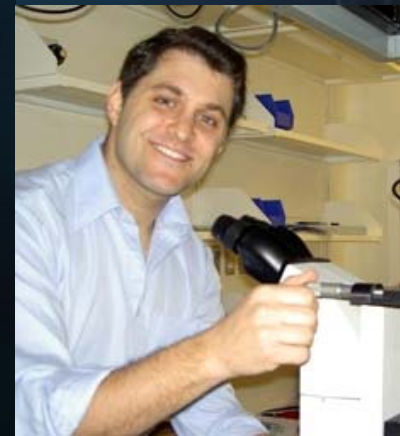
CU Physics Department Colloquium

Monday, November 16, 2009 4:10 PM 428 Pupin Hall

Joshua Shaevitz, Princeton University

Bacterial architecture: what the world's smallest organisms can teach us about constructing life's building blocks

Bacteria use a number of methods to produce cells with specific shapes and mechanical properties. These features are essential to a cell's ability to weather a large variety of environmental stresses and they play an important role in how many bacteria move. I will discuss our recent measurements of the interplay between bacterial mechanics, cell shape and motility. I will also touch on our development of new techniques that combine elements of single-molecule biophysics, super-resolution microscopy and force application in live cells.



Hosted by Elena Aprile - Meet the Speaker at 1:30 PM in 705 Pupin Hall