FALL COURSE!

MCB 294
Interesting Questions
In Physical Biology

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Physical biology can be defined as a discipline that seeks to understand biological processes through the lens of physics and engineering. Faculty and students will unite to discuss current research with the aim of identifying and pondering interesting emerging questions in this area. Combination of lecture and discussion format.

An interdisciplinary course taught in two-week modules by faculty drawn from CCB, MCB, Physics, SEAS & HMS

Topics Include:
Noise in genomic and cellular organization; Bioelectricity; Balance of plasticity and stability in neural networks; Background subtraction in color and motion perception; Mechanisms of synapse and circuit formation; Quantitative approaches to studying bacteria at the single-cell level and in biofilms; Membrane structure; Diffusion in membranes; Chromosome dynamics

Location: Northwest Building 169
Meeting Time: Tuesday, Thursday, 1:00 - 2:30

Eligibility
Graduate students and interested undergraduates with background suitable for 100-level courses or higher

First class, Thursday, September 1