



Emerging Trends in Molecular Biomechanics and Biophysics Seminar Series

<http://web.mit.edu/bmbp>

Massachusetts Institute of Technology

Department of Biological Engineering

4–5pm at 500 Technology Square, NE47–189

Date	Title	Speaker
September 16	Folding DNA into functional nanoscale devices for biophysics and beyond	Hendrik Dietz Dana-Farber Cancer Institute Harvard Medical School
September 30	The twists and turns of DNA: Single-molecule studies of DNA twist mechanics and the mechano-chemistry of DNA gyrase	Jeff Gore Department of Physics MIT
October 21	The molecular mechanism of cytoplasmic dynein	Samara Reck-Peterson Cell Biology Department Harvard Medical School
November 4	Connecting the dots: Towards a quantitative model for nucleoid structure	Paul Wiggins Whitehead Institute MIT
November 18	Laminin induces a switch in the cytoskeletal and exocytic machinery driving neurite initiation	Stephanie Gupton Center for Cancer Research MIT
December 2	Reconstitution of DNA segregation: Reverse engineering and synthesizing an actin-based plasmid spindle	Ethan Garner Cellular and Molecular Pharmacology, UCSF
December 16	Single-molecule dynamics in metaphase spindles	Dan Needleman Center for Systems Biology Harvard

Organized by the Laboratory for Integrative Computational Cell Biology & Biophysics (<http://web.mit.edu/liccbb>) and the Lang-Lab (<http://web.mit.edu/~langlab/>). Refreshments provided.