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GR Harrison Spectroscopy Laboratory  
Independent Activities Period Lectures and Poster Presentations  
January 11, 2006; 9:30 am-1:30 pm, E25-111

***Soft condensed matter: Physics, biology and chemistry***

**IAP lecture program , 9:30 am - 11:30 am**

**Paul Matsudaira**, Dept. of Biology, MIT

*"Protein springs: nN forces and  $\mu\text{m}$  movements in msec-sec time periods"*

**Howard Stone**, Dept. of Engineering and Applied Sciences, Harvard University

*"A high-speed microfluidic differential manometer for cellular-scale hydrodynamics"*

**Michael Feld**, MIT Spectroscopy Laboratory and Dept. of Physics

*"Nanoscale microscopy of living cells with optical interferometry"*

***Poster session and lunch***

**11:30 am - 1:30 pm**

*Prizes awarded for the posters with the most science, most spectroscopy, and most originality*