

Physical Chemistry Seminar



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Superresolved Ultrasensitive Optical Imaging and Spectroscopy

Super-resolution optical microscopy is a rapidly evolving area of fluorescence microscopy with a tremendous potential for impacting many fields of science. Several super-resolution methods have been developed over the last decade, all capable of overcoming the fundamental diffraction limit of light. We will present a novel Super-resolution method that affords a favorable trade-off between speed and resolution and therefore is well suited for following cellular processes in live cells. We will also report on our efforts to develop quantum-confined Stark effect-based nano-voltage sensors for all-optical membrane potential recording.

Monday, October 22, 2012

4:00 P.M.

2033 Young Hall