

MAR10-2009-000338

Abstract for an Invited Paper
for the MAR10 Meeting of
the American Physical Society

Pushing the Envelope in Biological Imaging

ERIC BETZIG, Janelia Farm, HHMI

Optical microscopy has been instrumental in studies of the structure and function of biological systems for centuries. However, many questions at the forefront of molecular, cellular, and neurobiology remain beyond its current capabilities. I will discuss efforts in my group to extend these capabilities in areas such as superresolution optics, photodamage mediation, high speed volumetric imaging, and deep tissue imaging.