



Physics Seminar

for every science lover

Basic Confocal Imaging Applications utilizing the Olympus FV1000 Confocal System

Friday, 3:30pm Jan. 21 2011

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This presentation will cover the Olympus FV1000 laser scanning confocal system and the use of confocal microscopy in physics and biological investigations. We will cover the setup and operation of the FV1000, an overview of the ASW software function and capability, and options for future system expansion. In the second part of the presentation we will discuss specific confocal imaging applications including the imaging of liquid crystals and materials analysis, co-localization and quantification of fluorophore signals, multi-dimensional rendering & analysis, time lapse studies, fluorescent recovery after photobleaching (FRAP) and Photoactivation of compounds.

Location: Ross 0220 (Ground level of Ross Hall)

(Refreshments will be served at 3:30pm.)

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FV1000 configuration with BX61 microscope