



**BioStation IM**  
**Time-Lapse Live Cell Imaging System**  
&  
**BioStation CT**  
**Cell Culture & Observation System**

**Nikon Instruments Inc. Technical Seminar**

*Sponsored by the UTMB Infectious Disease and Toxicology Optical Imaging Core*

*For more information contact the Core Facility at x20063*

**10:00 – 11:30 AM:** Introductory presentation for Nikon's latest innovation in microscopy, the BioStation IM and BioStation CT. These are revolutionary solutions developed specifically for the rapidly growing science of live cell imaging. BioStation IM combines an incubator, a microscope, and a cooled CCD camera in a single compact package, allowing sophisticated time-lapse imaging, which until now could only be achieved with a complex microscope system. As all elements necessary for cell culture and imaging are incorporated into one package, BioStation IM provides a stable environment in which you can easily conduct your live cell experiments. Moreover, focus drift caused by thermal change and mechanical instability, a common problem during lengthy observations, has been eliminated, enabling reliable time-lapse imaging in an optimal live cell environment.

BioStation CT is an integrated incubator, microscope, and digital acquisition system. However, its purpose is to enhance cell viability and optimize your data by reducing stress on cells by combining cell culture and observation. Conventional culture and observation of cells places stress on valuable cell lines, risks contamination, and can lead to decreased cell viability. The BioStation CT automatically, and in a secure environment, conducts the observation of cells under optimal conditions within the incubator, according to a user-configured schedule. Moreover, culture condition records are saved with image data for worry-free culture of important samples.

Time for questions & answers will be included in this session. [Refreshments will be provided.](#)

**2:00 – 3:30 PM:** Encore Presentation

**Monday, July 16, 2007**  
**MRB, Room 4.145**

BioStation IM will be available for demonstration for the week of **July 16, Monday – Friday**, in MRB 9.138. You are encouraged to participate by bringing your own samples to view. Please contact Brian Templin ([btemplin@nikon.net](mailto:btemplin@nikon.net)) or Andy Schaber ([jschaber@nikon.net](mailto:jschaber@nikon.net)) to schedule a block of time for your samples. To simply see the unit and/or discuss either system in more detail, please visit us between 9:00 AM and 5:00 PM, except during the presentation times on Monday.

Learn more about BioStation by visiting our website, [www.nikoninstruments.com](http://www.nikoninstruments.com). Link to Microscope Systems > Biological > BioStation. Or call Brian at 888-424-0880 x246, or Andy x306.