



Analytical & Quantitative Light Microscopy

AQLM

LECTURE SCHEDULE

Monday, May 14 8:45 am 9:00 am 1:00 pm 7:00 pm	Kip Sluder, UMASS Medical School Rainer Heintzmann, Kings College London Jason Swedlow, University of Dundee Mary-Ann Mycek, University of Michigan	<i>Overview</i> <i>TIRF</i> <i>Introduction to Digital Deconvolution</i> <i>FRET, FLIM, and High-speed Imaging</i>
Tuesday, May 15 8:45 am 9:00 am 1:00 pm 7:00 pm	Kip Sluder / David Wolf Randi Silver, Cornell University John Murray, University of Pennsylvania Aaron Straight, Stanford University	<i>Overview</i> <i>Ratio Imaging – Indicator Dye</i> <i>Applications</i> <i>Scanning and Multiphoton Microscopy I</i> <i>Green Fluorescent Proteins</i>
Wednesday, May 16 8:45 am 9:00 am 1:00 pm 7:00 pm	Kip Sluder, UMASS Medical School John Murray, University of Pennsylvania John Murray, University of Pennsylvania Rainer Heintzmann, Kings College London	<i>Overview</i> <i>Scanning and Multiphoton Microscopy II</i> <i>Quantitative Confocal Microscopy</i> <i>Structured Illumination</i>
Thursday, May 17 8:45 am 9:00 am	Kip Sluder / David Wolf Edward Hinchcliffe, University of Notre Dame	<i>Overview</i> <i>The Use and Manipulation of Digital</i> <i>Image Data</i>
Friday, May 18 9:00 am 9:15 am 10:00 am	Kip Sluder, UMASS Medical School Kip Sluder, UMASS Medical School Shinya Inoué, MBL	<i>Overview</i> <i>Live Cell Imaging</i> <i>Polarization-based Microscopy: Reality</i> <i>and Dreams</i>

All lectures held in Lillie Auditorium, unless otherwise noted.