

## Lecture Schedule

### Immunocytochemistry, In Situ Hybridization & Live Cell Imaging Course October 23-November 4, 2006

All Lectures will be in Plimpton at 4 pm

Oct. 22      7:00 pm      Organizational Meeting in Pulling Room (top floor Beckman building)

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Oct. 23      Ke Hu and John Murray - Basic introduction to light and fluorescence microscopy

Oct. 24      John Murray - Immunocytochemistry

Oct. 25      Jennifer Waters and Patricia LeBaccon - Digital detectors and digital imaging fundamentals

Oct. 26      Abby Dernburg - Basics of DNA FISH

Oct. 27      Greg Cox -- Basics and applications of RNA-FISH

Oct. 28      Dave Spector - Localization of gene expression by FISH and in living cells

Oct. 29      Tom Ried - Mechanisms and consequences of chromosomal aberrations in cancer cells

Oct. 30      DAY OFF

Oct. 31      John Murray & Jason Swedlow - Principles of confocal microscopy and deconvolution techniques

Nov. 1      Rich Day - Seeing colors: applications and limitations of the fluorescent proteins

Nov. 2      John Murray - How to build a parasite

Nov. 3      Arshad Desai --- Segregating the genome during cell division

Nov. 4      Dick McIntosh - Electron tomography: a frontier in the study of cell structure

*Course Banquet, Cocktails at 6pm*

Nov. 5

*Lab clean-up, No Lecture*