1st – 7th March 2009

PRINCIPLES AND PRACTICE OF LIGHT MICROSCOPY: A TRAINING COURSE WITH A FOCUS ON ASIA

Venue National Centre for Biological Sciences, Bangalore INDIA
Organizers National Centre for Biological Sciences and 100X Imaging, Inc.

This course, taught by world leaders in microscopy, provides didactic and hands-on training for state-of-the art light microscopy for graduate students and postdoctoral fellows. The course will cover many aspects of modern biological microscopy including microscope optics, associated hardware, fluorophores and sample preparation techniques. Lectures on how microscopy can be used to address biological questions will be part of the program. Lectures will be combined with hands-on training in a dedicated teaching laboratory equipped with many state-of-the-art microscopes and utilize two outstanding microscope facilities at NCBS. The course will host social events and offer opportunities for discussions with the faculty in an informal setting.

INVITED FACULTY:

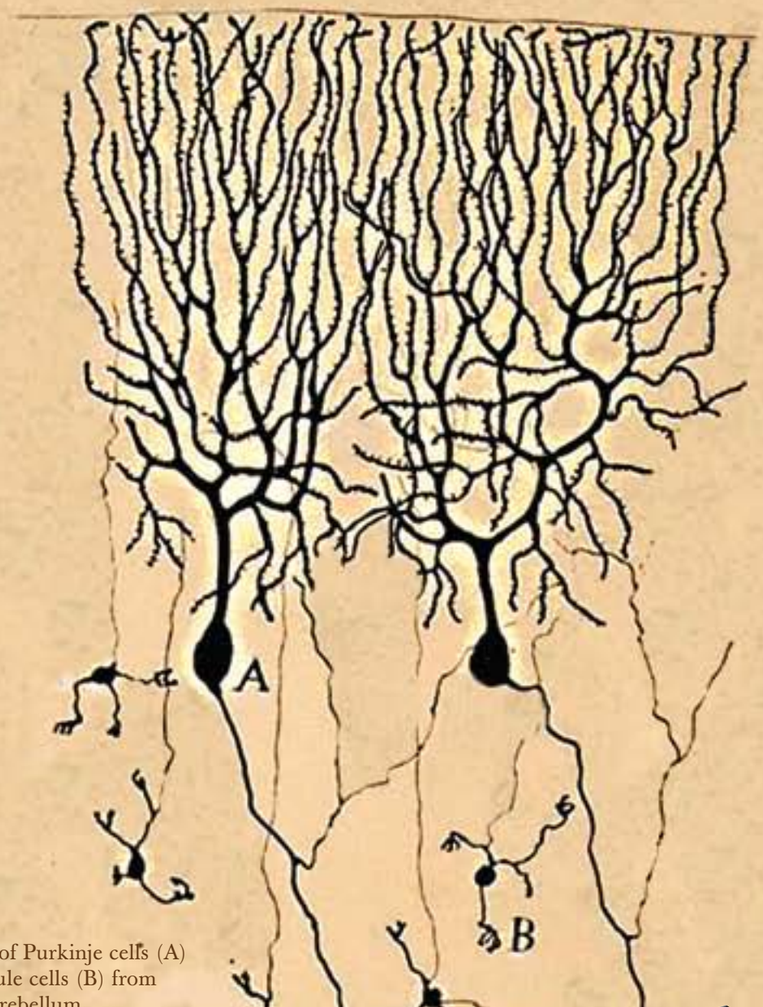
Atsushi Miyawaki, *Riken, Japan*
Clare Waterman, *NIH, USA*
Ernst Stelzer, *EMBL, Germany*
G. V. Shivashankar, *NCBS-TIFR, India*
Jan Ellenberg, *EMBL, Germany*
Jennifer Lippincott-Schwartz, *NIH, USA*
Jim Spudich, *Stanford University, USA*
Nico Stuurman, *UCSF, USA*
Ron Vale, *UCSF, USA*
Roop Mallik, *TIFR Mumbai, India*
Rudolf Oldenbourg, *MBL, USA*
Satyajit Mayor, *NCBS-TIFR, India*
Stephen Smith, *Stanford University, USA*
Sudipta Maiti, *TIFR, India*
Upinder Bhalla, *NCBS-TIFR, India*

This course is primarily intended for graduate students and postdoctoral fellows, although exceptions can be made for junior faculty and talented undergraduates. Attendees will be selected from countries throughout Asia, but attendees are also welcome from Europe, USA and elsewhere and encouraged to apply.

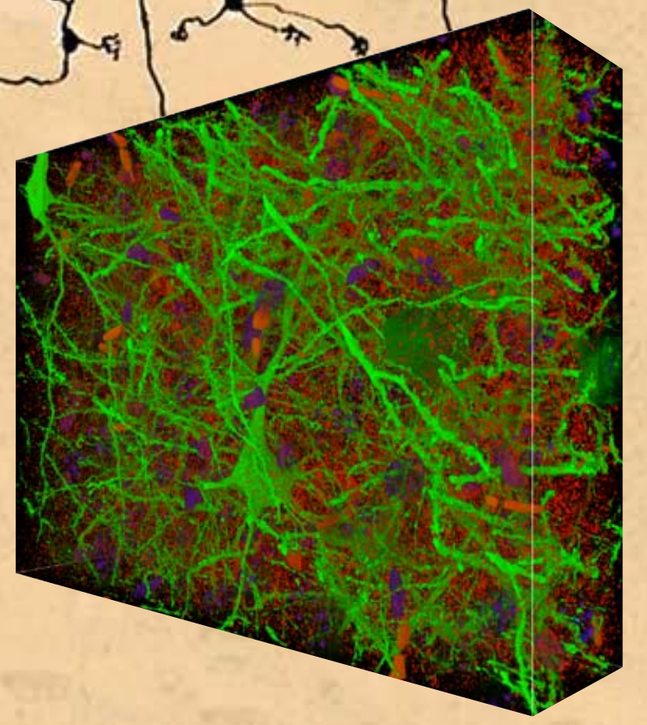
Application Deadline
October 1, 2008

Contact
Nidhi Srivastava, microscopy@ncbs.res.in

For Course Information and Application Procedure:
http://www.ncbs.res.in/events/microscopy.html



Drawing of Purkinje cells (A) and granule cells (B) from pigeon cerebellum.
Santiago Ramón y Cajal, (1899)



Fluorescence tomogram of the mouse somatosensory cortex; neurons, green; synapses, red; DNA, blue.
Stephen Smith and Christina Micheva, Stanford University (2007)

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