

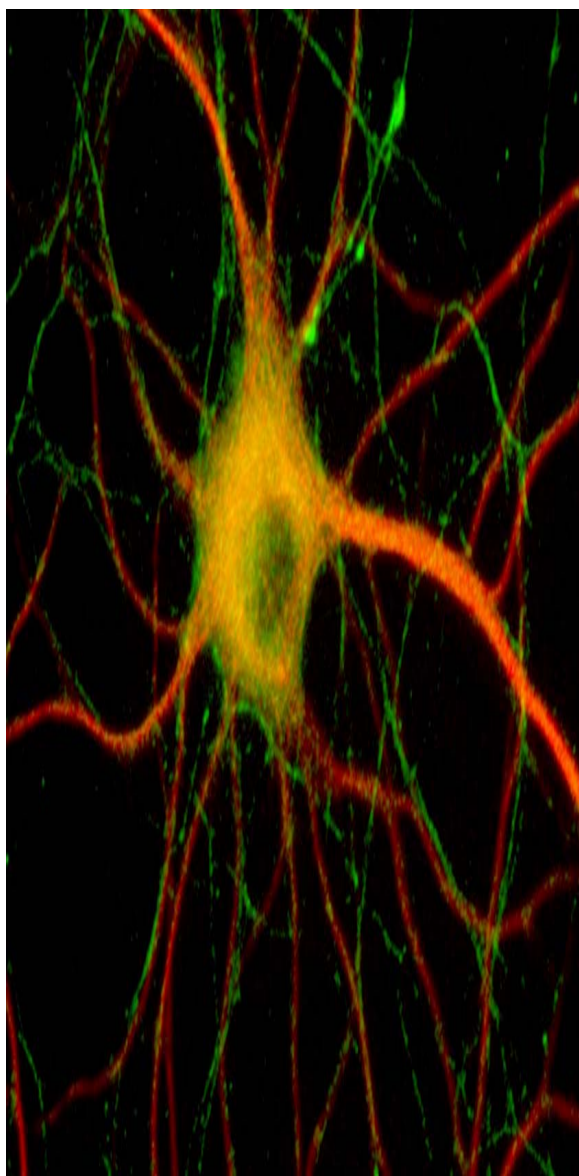


EMBL
European Molecular Biology Laboratory



Advanced Light Microscopy Facility
EMBL Heidelberg, Meyerhofstr. 1
D - 69117 Heidelberg

School of Biochemistry, Genetics,
Microbiology and Plant Pathology
and Centre for Electron Microscopy
Pietermaritzburg Campus, UKZN



This course represents a less focused version of the EMBO/UCT course "Functional microscopy of host-pathogen interactions" (18-30th Nov 2005) (<http://www.EMBO.org>).

Further information Elliott@ukzn.ac.za

Advanced light microscopy techniques for imaging dynamic cellular processes

Presented by:

Timo Zimmermann

Advanced Light Microscopy Facility, EMBL Heidelberg

Edith Elliott

School of Biochemistry, Genetics, Microbiology and Plant Pathology,
UKZN assisted by the staff of CEM, UKZN, PMB.

Dates: 8-10 December 2005

Centre for Electron
Pietermaritzburg

Maximum number of select participants: 10
(Selection on merit)

Cost: R600

Programme:

Day 1: Microscope basics for advanced microscopy

Day 2: FRAP and immunofluorescent labelling

Day 3: FRET and immunofluorescence labelling

For some insight into these exciting techniques visit the EMBL website <http://www.embl-heidelberg.de/almf/> where there are also some excellent free "downloads".

This is a unique opportunity to learn advanced fluorescent microscopy and confocal techniques and is being made possible by the generous loan of a Zeiss LSM 510 Meta confocal microscope by Carl Zeiss SA and the generous offer of instruction by Dr Zimmerman of the Advanced Microscopy Facility at the EMBL, Heidelberg, Germany. Besides instruction in FRET and FRAP, video imaging and the use of various free-downloads, instruction will also be given in the preparation and labeling of cell lines, image capture and processing.

The Zeiss LSM 510 Meta confocal microscope will be subsequently left on demo in the CEM unit in Pietermaritzburg until the end of January.

DEADLINE FOR PRELIMINARY APPLICATION 15th October 2005

DEADLINE FOR PAYMENT 15th October 2005

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