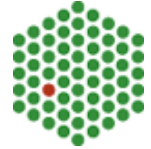




EAMNET practical course ,Imaging Molecular Dynamics'
EMBL Heidelberg, 19.-21. April 2004



Course schedule:

Theoretical morning sessions will be held between 9:30 and 11:30, practical sessions take place in different microscope rooms between 11:45 and 18:00.

Monday, 19.4.:

Theoretical session (room 208):

- 9:30 Welcome
- 9:45 Dr. Jens Rietdorf: Microscopy systems for timelapse imaging
- 10:10 Dr. Rainer Pepperkok: Studying membrane traffic
- 10:45 Coffee break
- 11:00 Dr. Kota Miura: Particle tracking in cell biology

Practical session (PerkinElmer spinning disk, room 510):

- 11:45 Timelapse microscopy of vesicle traffic: p24 and vsvg
- 13:00 lunch break
- 14:00 Timelapse microscopy of vesicle traffic: vsvg + tubulin (double colour)

Tuesday, 20.4.:

Theoretical session (room 610):

- 9:30 Dr. Kota Miura: What do FRAP curves tell us?
- 10:00 Dr. Jörg Lindenau (Zeiss): LSM510 META in live cell imaging
- 10:45 Coffee break
- 11:00 Dr. Timo Zimmermann: Advanced techniques for photobleaching

Practical session (Zeiss META, r422/ Leica SIRIUS, c1.84):

- 11:45 FRAP, FLIP and Photoactivation
- 13:00 lunch break
- 14:00 FRAP, FLIP and Photoactivation

Wednesday, 21.4.:

Theoretical session (room 610):

- 9:30 Dr. Kota Miura and Dr. Jens Rietdorf: Introduction into analyzing tools
- 10:45 Coffee break
- 11:00 Dr. Adriaan Houtsmuller: Molecular mechanisms of DNA repair and transcription studied by FRAP (blue seminar, **room 202**)

Practical session (room 428):

- 11:45 Data analysis + modelling of FRAP data
- 13:00 lunch break
- 14:00 Data analysis of membrane traffic timelapses
- 17:00 Presentation of the obtained results