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