

Location: Large Seminar Room (A3-311), MBB, KI				9.00	10.00	11.00	12	Lunch	13.00	14	15	16	17
Monday 18 May 2015	LECTURES: THEORY OF IMAGING TECHNIQUES; APPLICATIONS							Lunch	3hp-course (1725): Demo/Practice on CLSM systems Groups 1-6				
	Course introduction <i>Peter Wallén</i>	Basics of fluorescence microscopy <i>Martin Wessendorf</i>		Basics of confocal microscopy <i>Kjell Carlsson</i>									
Tuesday 19 May	Fundamentals of spectral separation Multicolour fluorescence CLSM <i>Martin Wessendorf</i>							Lunch	3hp-course (1725): Project work on CLSM systems Groups 1-6				
	Imaging properties of CLSM Theoretical and practical limitations <i>Kjell Carlsson</i>												
Wednesday 20 May	CLARITY-optimized light-sheet microscopy of intact tissue <i>Nils Norlin</i>							Lunch	3hp-course (1725): Project work on CLSM systems Groups 1-6				
	Super-resolution imaging, Fluorescence correlation spectroscopy <i>Hans Blom</i>		Correlative light and electron microscopy (CLEM) <i>Oleg Shupliakov</i>										
Thursday 21 May	Live-cell imaging Multi-photon LSM <i>Per Uhlén</i>							Lunch	3hp-course (1725): Project work on CLSM systems Groups 1-6 Image analysis work on project data				
	Practical aspects of image processing & analysis <i>Göran Månsson</i>												
Friday 22 May	Demonstrations of different imaging systems (All participants: 1725, 1735)							Lunch	3hp-course (1725): Project work on CLSM systems Groups 1-6 Image analysis work on project data				
	Written theory exam (All participants: 1725, 1735)												
Thursday 28 May	3hp-course (1725): Student seminar presentations of project work Summing up discussion												