

Fluorescence based methods (MB_E)

Coordinator: Prof. Dr. Vereb György

Week	Day	Date	Number of lessons	Location	Topic	Lecturer
2	17 of sept.	Thursday, 12-14	2	Discussion room	Basics of fluorescence. Methods of fluorescent labeling.	GV
3	24 of sept.	Thursday, 12-14	2	Discussion room	Basics of geometrical and physical optics	GV
4	1 of oct	Thursday, 12-14	2	Discussion room	Microscopy: foundations, conventional light microscopy, methods of contrast enhancement	GV
5	8 of okt.	Thursday, 12-14	2	Discussion room	Fluorescence microscopy. Confocal microscopy	VGy
	8 of okt.	Thursday, 14-18	4	Discussion room	Principles and basic methodology of flow cytometry Parameters measured in flow (and image) cytometry: types, storage, processing and presentation	VGy
6	15 of okt.	Thursday, 12-14	2	Discussion room	Laser scanning cytometry.	BZS
7	22 of okt.	Thursday, 12-14	2	Discussion room	Electron microscopy, basic principles of super-resolution microscopic approaches	NP
8	29 of okt.	Thursday, 14-18	4	Discussion room	Biological applications of flow cytometry	SzöÁ
11	19 of nov.	Thursday, 14-18	4	Discussion room	Advanced methods of fluorescence based cell analysis	VGy
12	26 of nov.	Thursday, 12-16	4	computer room	Consultation. Grade offering test	VGy