Time / Day	Mon, 21.2.22	Tue, 22.2.22	Wed, 23.2.22	Thu, 24.2.22	Fri, 25.2.22	Mon, 28.2.22	Tue, 1.3.22	Wed, 2.3.22	Thu, 3.3.22	Fri, 4.3.22
Module	Microscopy & Image analysis				Microfluidics		scRNA-seq analysis			
9:00	Introduction to light microscopy	Homework Discussion	Homework Discussion	Scrum meeting	Introduction into microfluidics	Student presentations				
10:00	-	Image processing I: Filters, thresholding, segmentation	Image processing II: Machine learning, tracking	Scientific lecture II			Introduction to scRNA-seq	Homework discussion and exercises in 'R'	Scientific lecture IV (Antonio Scialdone)	Scientific lecture V
		Confocal	Fiji III:	Fiji V: ML tools			Coffee break	Coffee break	Coffee break	Coffee break
11:00	Q'n'A	(interactive demo)  Fiji II: ROI manager, measurements  Proje	Segmentation Fiji IV: Automation		How to run	dics	Getting started with scRNA-seq data analysis	Machine learning tools I	Homework discussion and scRNA-seq data from pre-implan- tation mouse embryos I	Homework discussion and scRNA-seq data from gastru- lating mouse embryos I
	Break			Project work II	microfluidics experiments					
	Epifluorescence acquisition (interactive demo)									
12:00			Project outline				Lunch break	Lunch break	Lunch break	Lunch break
		Quiz I		Quiz II						
	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break				
13:00	Fiji I: Image I/O, basic						Some machine learning tools	Machine learning tools II	scRNA-seq data from pre-implan- tation mouse embryos II	scRNA-seq data from gastru- lating mouse embryos II
		Fiji and R. Model fitting, plotting,	Project work I	Scrum meeting Project work III	Single cell analysis in Matlab	Scientific lecture III				
14:00	manipulations	statistics					Homework assignment	Homework assignment	Homework assignment	Concluding remarks
15:00		Scientific								
15.00		lecture I								
Home- work	Homework I	Homework II	Project work	Project work	Prepare presentations		Homework	Homework	Homework	