



Light & Electron Microscopy : Flow Cytometry : Image Analysis

### Methods for Cell analysis course autumn 2021

12 students | 3 groups of 4 students for Hands on instrument stations

		Wed 6th Oct	Thu 7th Oct	Fri 8th Oct
		<b>9:30 - 10:30 Welcome to Course</b> Students presentation <b>10:30 - 12:00 Intro to Fluorescence</b> (MM) <b>12:00 - 13:00 Lunch</b> <b>13:00-14:30 Intro to FL Microscopy</b> (MM) <b>14:30 - 15:00 Break</b> <b>15:00 - 16:30 Confocal Microscopy (LSM)</b> (JA)	<b>9:30 - 10:30 Two-photon Microscopy</b> (MM) <b>10:30 - 12:00 Flow Cytometry and Sorting</b> (DP) <b>12:00 - 13:00 Lunch</b> <b>13:00-14:30 Superresolution</b> (Ilaria Testa or Francesca, KTH) <b>14:30 - 15:00 Break</b> <b>15:00 - 16:30 Electron Microscopy</b>	<b>9:00 - 12:00 Hands on session</b> A: LSM-2PM (MM) B: - C: - <b>12:00 - 13:00 Lunch</b> <b>13:00 - 16:00 Hands on session</b> A: Flow-Sort (DP) B: Electron microscopy C: -
Mon 11th Oct	Tue 12th Oct	Wed 13th Oct	Thu 14th Oct	
<b>9:00 - 12:00 Hands on session</b> A: - B: LSM-2PM (MM) C: - <b>12:00 - 13:00 Lunch</b> <b>13:00 - 16:00 Hands on session</b> A: - B: Flow-Sort (DP) C: Electron microscopy	<b>9:00 - 12:00 Hands on session</b> A: - B: - C: LSM-2PM (MM) <b>12:00 - 13:00 Lunch</b> <b>13:00 - 16:00 Hands on session</b> A: Electron microscopy B: - C: Flow-Sort (DP)	<b>9:30 - 10:00 Instructions for presentation</b> Preparation time for presentation <b>12:00 - 13:00 Lunch</b> Preparation time for presentation	Preparation time for presentation <b>12:00 - 13:00 Lunch</b> Final presentation	

Final Presentation: Each group of 4 students will prepare a powerpoint for a presentation BETWEEN 10 and 20 minutes in length. Each student must be involved in preparation AND presentation. Each Group will present from the following topics: LSM-2PM, Electron microscopy, Flow-Sort. Which topics are presented will be randomized by a lottery.