



BIOVIS

Light & Electron Microscopy : Flow Cytometry : Image Analysis

Methods for Cell analysis course spring 2023

9 students | 3 groups of 3 students for Hands on instrument stations

Teachers: MM: Matyas Molnar DP: Dirk Pacholsky JA: Jeremy Adler MH: Monika Hodik KS: Karin Staxäng		Wed 3th May 9:30 - 10:30 Welcome to Course Students introduction 10:30 - 12:00 Intro to Fluorescence (MM) 12:00 - 13:00 Lunch 13:00-14:30 Intro to FL Microscopy (MM) 14:30 - 15:00 Break 15:00 - 16:30 Confocal Microscopy (LSM) (JA)	Thu 4th May 9:30 - 10:30 Two-photon Microscopy (MM) 10:30 - 12:00 Superresolution (MM) 12:00 - 13:00 Lunch 13:00-14:30 Flow Cytometry (DP) and Sorting 14:30 - 15:00 Break 15:00 - 16:30 Electron Microscopy (MH)	Fri 5th May 9:00 - 12:00 Hands on session A: LSM-2PM (MM) B: - C: - 12:00 - 13:00 Lunch 13:00 - 16:00 Hands on session A: Flow-Sort (DP) B: Electron microscopy (MH-KS) C: -
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Mon 8th May 9:00 - 12:00 Hands on session A: - B: LSM-2PM (MM) C: - 12:00 - 13:00 Lunch 13:00 - 16:00 Hands on session A: - B: Flow-Sort (DP) C: Electron microscopy (MH-KS)	Tue 9th May 9:00 - 12:00 Hands on session A: - B: - C: LSM-2PM (MM) 12:00 - 13:00 Lunch 13:00 - 16:00 Hands on session A: Electron microscopy (MH-KS) B: - C: Flow-Sort (DP)	Wed 10th May 9:30 - 10:00 Instructions for presentation Preparation time for presentation 12:00 - 13:00 Lunch Preparation time for presentation	Thu 11th May Preparation time for presentation 12:00 - 13:00 Lunch Final presentation	
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Final Presentation: Each group of 3 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.