



Course Schedule for Advanced Flow Cytometry Course June 12-13 and 19-20, 2018

Tuesday, 12th November: Revision at room B1203b

9:00 - 9:20 Course introduction organizational notes

9:20 - 10:20 Presentation of participants: Group 1

10:20 - 10:40 Fika break

10:40 - 11:40 Presentation of participants: Group 2

12:00 - 13:00 Lunch break

13:00 - 16:30 Revision of the concepts covered in the basic course. Discussion and questions. Session led by *Anna Hammarberg AND Maria Jassinskaja*

Experimental Design
Sample Preparation

FIKA Break

Fluorochromes
Compensation
Exercise: Choosing optimal color combination group session

Wednesday, 13th June: Practical at room B1241a FACS Lab (B1203b when indicated)

9:00 - 9:10 Introduction for the day

9:10 - 10:10 Machine optimization and setup; understanding CST values, baseline and performance check – *Anna Hammarberg AND Teona Roschupkina*

10:10 - 10:30 Fika break

10:30 - 12:00 Setting up running and 8 color compensation Part 1 - *Anna Hammarberg AND Hongzhe Li*

12:00 - 13:00 Lunch break

13:00 - 15:00 Setting up running and 8 color compensation Part 2 - *Anna Hammarberg AND Hongzhe Li*

Setting up FSC/SSC → FSC Area Scaling

Setting up correct voltages

Electronic Noise and 2.5xσ values

Creating Compensation

Set up auto comp on beads with exception of PI

Run compensations on the cells and adjusting manually

FMO controls and setting gates

Troubleshooting compensation artifacts

15:00 - 15:30 Fika break

15:30 - 16:30 Flow Cytometry of Clinical Samples- *Kees-Jan Pronk* **B1203b**

Tuesday, 19th of June: Experiment Design at room (B1203b)

9:00 - 9:10 Introduction to the day

9:10 - 10:00 Antibodies and their Generators - *Sandra Gordon*

10:00 - 10:20 Fika break

10:20 - 11:10 Intracellular FACS - *Anna Hammarberg*

11:10 - 12:00 Experimental Design: Resources for building flow cytometry Experiment-*Teona Roschupkina*

12:00 - 13:00 Lunch break

13:00 - 15:10 Exercises for Experimental design group and individual work –*Anna Hammarberg AND Mikael Sommarin*

15:10 - 15:30 Fika Break

15:30 - 16:30 Flow Cytometry for Publication-(*to be confirmed*)

Wednesday, 20th: Practical at room B1241a FACS Lab (B1203b when indicated)

9:30 - 10:00 Introduction to the day/Fika break

10:00 - 10:50 Setting up Special Applications -*Teona Roschupkina*

10min Break

11:00 - 12:00 Cell sorting for advanced users LECTURE – *Charlotta Böiers*

12:00 - 13:00 Lunch break

13:00 - 15:00 Cell sorting for advanced users Hand on DEMO *Stijn Vanhee AND Hugo Åkerstrand*

15:00 - 15:20 Fika break

15:30 - 16:00 Troubleshooting - *Zhi Ma*

16:00 - 16:30 Final questions and assessment

Welcome!