



FLxFLOW
LISBON FLOW CYTOMETRY NETWORK

3rd FLxFlow Course:
Principles and Applications of Flow Cytometry
Champalimaud Foundation – 4-8th May 2020

Preliminary Program

Day 1 - Basic Module

Monday May 4th

9h00	Registration
9h30	Opening session: FLxFlow Network
9h45	Principles of Flow Cytometry: Fluidics, Optics and Detection <i>J. Rino</i>
10h30	<i>Coffee Break</i>
10h45	Fluorochromes, Brightness and Detection <i>A. Filby</i>
12h15	<i>Lunch</i>
13h30	Multiparameter Panel Design <i>R. Gardner</i>
15h00	SPONSOR TALK: Pushing the boundaries of Flow Cytometry: the Attune NxT – Francesca Grespi (<i>Thermo Fisher Scientific</i>)
15h45	<i>Coffee Break</i>
16h15	How to design a flow cytometry experiment <i>C. Andrade</i>
17h15	Cytometer inside-out

Day 2 - Basic Module

Tuesday May 5th

9h30	Tips and Tricks for Sample Preparation (I) <i>M. Monteiro</i>
10h30	<i>Coffee Break</i>
11h15	Applications (DNA analysis, proliferation, cell death and apoptosis) <i>R. Gardner</i>
12h30	<i>Lunch</i>
13h45	SPONSOR TALK: Introduction to Cytometry Data Analysis in FlowJo v10 - <i>Serena di Cecilia (BD)</i>
14h45	SPONSOR TALK
15h30	<i>Coffee Break</i>
16h00	Workshop I
18h00	<i>Social activity: FlowJo Wine & Cheese</i>

Day 3 - Advanced Module

Wednesday May 6th

9h00	Registration
9h30	Opening session: FLxFlow Network
9h45	Tips and Tricks for sample preparation (II)
11h00	<i>Coffee Break</i>
11h30	Advanced experimental planning and troubleshooting <i>M. Monteiro</i>
13h00	<i>Lunch</i>
14h15	SPONSOR TALK: BD Multi-Omics Rhapsody™ Platform: High-Parameter Protein and RNA Profiling at Single-Cell Resolution - <i>Serge Scherrer (BD)</i>
15h00	SPONSOR TALK: Advanced analysis tools and plugins for discovery with FlowJo – <i>Serena di Cecilia (BD)</i>
16h00	<i>Coffee Break</i>

- 16h30 Data analysis and Publication
R. Gardner
- 18h45 Q & A
- 19h30 *Social activity: Course dinner*

Day 4 - Advanced Module+ Hands-on

Thursday May 7th

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- 9h15 Imaging Flow Cytometry Fundamentals and Applications
A. Filby
 - 10:45 **SPONSOR TALK:** Full-spectrum flow cytometry: How new technologies may drive changes in multicolor flow cytometry – *Jose Ligos, Cytex*
 - 11h30 *Coffee Break*
 - 12h00 Workshop II
 - 13h30 *Lunch*
 - 14h30 Hands-on
 - 16h00 *Coffee Break*
 - 16h30 Hands-on

Day 5 - Advanced Module +Hands-on

Friday May 8th

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- 9h15 High Speed Cell Sorting
A. Vieira
 - 10h00 **SPONSOR TALK – DeNovo Software**
 - 11h00 *Coffee Break*
 - 11h30 Flow Cytometry of Small Particles
 - 12h30 *Lunch*
 - 13h45 Hands-on
 - 15h15 *Coffee Break*
 - 15h45 Hands-on