

The logo consists of the letters 'FLx' in a bold, blue, sans-serif font. The 'x' has a unique design with a gap in the middle. This logo is centered within a large, white, irregularly shaped bubble that has several smaller white circles of varying sizes attached to its left side, resembling a cluster of cells or a molecular structure. The entire graphic is set against a solid blue background.

FLx

FLx Flow

Principles and Applications of
Flow Cytometry

Instituto Gulbenkian de Ciência
12-16th November

2018



PROGRAM

MONDAY, November 12th

BASIC MODULE

- 9:00 Registration
-
- 9:30 Opening session: FLxFlow Network
- 9:45 Principles of Flow Cytometry: Fluidics, Optics and Detection
José Rino
-
- 11:00 *Coffee Break*
-
- 11:15 Fluorochromes, Brightness and Detection
José Rino
- 12:15 Spillover and compensation
Marta Monteiro
-
- 13:15 *Lunch*
-
- 14:30 Is FAIR data in Flow Cytometry any different? *
Nuno Moreno
- 15:00 Cytometer inside-out – Visit to the FC Facility
-
- 16:30 *Coffee Break*
-
- 17:00 Speakers' working group meeting

* This talk will take place in the Theno Auditorium. The rest will be at Ionians Auditorium.

TUESDAY, November 13th

BASIC MODULE

9:30 Considerations for Immunophenotyping

Rui Gardner

11:00 *Coffee Break*

11:15 Multicolor Panel Design

Alexandre Salvador (BD/Enzifarma)

12:00 *Lunch*

13:15 Plan a flow cytometry experiment

Claudia Andrade & Rui Gardner

14:45 How to run an experiment in a cytometer

16:00 *Coffee Break*

16:30 Introduction to Cytometry Data Analysis in FlowJo v10

Serena Di Cecilia (FlowJo)

ADVANCED MODULE

- 9:00 Registration
-
- 9:30 Advanced experimental planning and troubleshooting
Marta Monteiro & Tim Bushnell
-
- 10:30 *Coffee Break*
-
- 10:45 Reproducibility in Cytometry – Data Analysis and Reporting
Tim Bushnell
-
- 12:15 Advances in Spectral Technology
Steffen Böhner (Sony/Izasa)
-
- 12:45 *Lunch*
-
- 14:15 Flow Cytometry Analysis of Circulating Microvesicles
Claudia Radu (Beckman Coulter)
-
- 14:30 Cell Sorting
Ana Vieira & Rui Gardner
-
- 16:00 *Coffee Break*
-
- 16:30 Automated Cell Sorting
Sandra Cuni (Sony/Izasa)
-
- 17:00 Let the Dataset Change your Mindset
Christoph Freier (FlowJo)
-
- 18:00 Social activity: FlowJo Wine & Cheese

ADVANCED MODULE

- 9:30 Imaging Flow Cytometry
José Rino & Claudia Dumrese
-
- 10:30 *Coffee Break*
-
- 11:00 Quantitative imaging application and data analysis using Amnis
imaging flow cytometry
Clara Cigni (Merck)
- 11:45 DNA analysis: cell cycle and ploidy
Tim Bushnell
-
- 12:45 *Lunch*
-
- 14:00 Flow Cytometry for Poidy Analysis
Cristina Alvarez (Sysmex)
- 14:45 Proliferation, Cell death and Apoptosis
Claudia Dumrese
-
- 15:45 *Coffee Break & Lottery!*
-
- 16:00 Workshop 1 - Ionians **2** & Theano Auditoria **10**
- 17:00 Workshop 2 - Ionians **2** & Theano Auditoria **10**
-
- 19:00 Social activity: Closing dinner

HANDS-ON MODULE

9:30 Instrument Overview

10:15 Application 1

Groups	1 Cell Cycle - SYSMEX	5 Sorting - Aria
	2 Cell cycle - Calibur	6 Sorting - Sony
	3 Apoptosis - Celesta	7 Immunephenotyping Cytoflex
	4 Apoptosis - MACSQuant	8 Immunephenotyping Aurora

11:45 *Coffee Break*

12:00 Application 2

Groups	1 Apoptosis - Celesta	5 Immunephenotyping Cytoflex
	2 Apoptosis - MACSQuant	6 Immunephenotyping Aurora
	3 Sorting - Aria	7 Cell Cycle - SYSMEX
	4 Sorting - Sony	8 Cell cycle - Calibur

13:30 *Lunch*

14:45 Application 3

Groups	1 Sorting - Aria	5 Cell Cycle - SYSMEX
	2 Sorting - Sony	6 Cell cycle - Calibur
	3 Immunephenotyping Cytoflex	7 Apoptosis - Celesta
	4 Immunephenotyping Aurora	8 Apoptosis - MACSQuant

16:15 *Coffee Break*

16:30 Application 4

Groups	1 Immunephenotyping Cytoflex	5 Apoptosis - Celesta
	2 Immunephenotyping Aurora	6 Apoptosis - MACSQuant
	3 Cell Cycle - SYSMEX	7 Sorting - Aria
	4 Cell cycle - Calibur	8 Sorting - Sony

THE ORGANIZERS WOULD LIKE TO THANK ALL SPONSORS FOR THEIR GENEROUS SUPPORT

of the second edition of the FLxFlow Course -
Principles and Applications of Flow Cytometry

