

cnio AD HOC SEMINAR

“Flow Cytometry Induction Course: fundamentals, applications, data analysis and data presentation”

Venue: 2nd Floor Seminar Room. Spanish National Cancer Research Center (CNIO). Madrid. Spain.
Online Zoom & Teams platforms for Data Analysis sessions

Speakers: Lola Martínez, Flow Cytometry Unit Head. CNIO.
Andrea Valle, European Applications Specialist DeNovo Software.

PROGRAMME

Monday 9th October 2023 (L. Martínez & Flow Cytometry Staff)

10.30-13.00

Fundamentals of Flow Cytometry & main applications

We will cover all the concepts and principles of flow cytometry: theory, principles of fluorescence, how instruments work and what could you expect from them. We will also give you a glimpse of the different applications you could use this technology for and go over the guidelines for flow cytometric data presentation so you don't get caught when publishing your data!

Data Acquisition - practical session

14.30-16.30

We will go over the current guidelines for flow cytometric data presentation. Don't get caught when publishing your data! And will run some examples of samples on the cytometers so we could show you how to create an experiment, acquire the experiment, export data files and more.

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Tuesday 10th October 2023 (J. McCarthy & L. Martinez)

Data Analysis practical session FCS Express 7 (ONLINE) 10:00-11:30

We will go through the basics of FCS Express 7, one of the third-party cytometric analysis software that the unit have licenses for. Jamie will be covering how to open workspaces, how to create plots, gates, how to extract statistics and data reporting.

Data Analysis practical session FlowJo v10 (ONLINE) 12.00-13.30

We will go through the basics of FlowJo, one of the third-party cytometric analysis software that the unit have licenses for. We will be covering how to load samples into workspaces, how to create plots, gates, how to extract statistics and data reporting.

* The induction course is required to have access to the analytical cytometers of the unit and its aims to total beginners or users with some flow experience to refresh/reinforce concepts and clarify doubts. Registration is need it through the link below, and the cost of the course is 50 Euros (CNIO Members), 75 Euros (Non CNIO Members) and 125 Euros (Industry):

<https://www.cnio.es/eventos/flow-cytometry-induction-course-fundamentals-applications-data-analysis-and-data-presentation-9-10-october-2023/>

It includes theoretical and practical sessions in data acquisition and analysis using some of the common analysis software in the market. The course will be presential @ CNIO 2nd floor seminar room with option to connect online via zoom. FCS Express Data Analysis session will be carried online via Teams platform. Friday before the course started all participants will receive detailed information for the different sessions.