

cnio AD HOC SEMINAR

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

Venue: Online Zoom. Spanish National Cancer Research Center (CNIO). Madrid. Spain.

Speakers: Julia García-Lestón, Flow Cytometry Unit Technician. CNIO.
Andrea Valle, European Applications Specialist DeNovo Software.

PROGRAMME

Monday 23rd May 2022 (J. García-Lestón)

10.00-13.00

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

14.30-16.00

We will go over the current guidelines for flow cytometric data presentation. Don't get caught when publishing your data!

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Tuesday 24th May 2022 (A. Valle & J. García-Lestón)

Data Analysis practical session FCS Express 7 **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. Andrea 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 **14.30-16.00**

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* 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-16-and-17-may-2022/>

It includes theoretical and practical sessions in data acquisition and analysis using some of the common analysis software in the market. To comply with the social distancing requirements, the course will be online via remote connection, close to the sessions you will receive the links for the different sessions.