

WEDNESDAY 25 SEPTEMBER 2024

WS4 **Panel design and optimization in standard and spectral flow-cytometry**

Workshop organisers: Cristina Teodosio (Salamanca, ES), Julio Pozo (Salamanca, ES)

Level: Intermediate; Max. 20 places.

Flow cytometry has grown exponentially in the last decade, with the introduction of instruments able to evaluate more (>20) fluorescent parameters simultaneously, the development of spectral flow cytometry, and the increasing number of (new) fluorochromes. While these developments have allowed for new applications and more flexibility, the process of effective panel design has become increasingly more complex. During this workshop, we will discuss the technical advances and differences in conventional and spectral flow cytometry, and how to address the panel design for the different platforms. We will also cover strategies for assay optimisation and data troubleshooting and have a guided panel design practical session.

09:00 - 09:45	Conventional vs. spectral flow cytometry: principles and technical advances	Cristina Teodosio
09:45 - 10:30	Principles and good practices for panel design in flow cytometry	Cristina Teodosio
10:30-11:00	<i>Coffee break</i>	
11:00 – 11:30	Assay optimisation and data troubleshooting	Julio Pozo
11:30 – 12:30	Practical panel design exercise for conventional and spectral instruments	Cristina Teodosio/Julio Pozo
14:00	Start ESCCA Conference	