

PRE-CONFERENCE WORKSHOP

WEDNESDAY 17 SEPTEMBER 2025

09.00-12.30 WS2: Flow cytometry of platelets - From phenotype to function

Organiser José-Enrique O'Connor (Valencia, ES)

Level: **Basic.** Max. 25 places.

Throughout this Workshop, participants will be guided through the fascinating world of platelet cytometry. Platelet phenotype and functional responses are considered traditionally complicated aspects for clinical cytometry. However, most difficulties in platelet cytometry may be overcome by appropriate sample preparation and by carefully designed flow cytometric setup and assay optimization. The state of the art in platelet flow cytometry has made its way far beyond the description of haemostasia disorders. The course will illustrate the relevance and practical application of multiparametric flow cytometry to the clinical analysis of platelet and platelet-derived microvesicles. Special focus will be put on the technical bases of sample preparation, including guidelines for assay optimization and standardization. Listmode files of real cases from diagnostic, prognostic and therapeutic settings will be presented and discussed by the speakers. The Scientific and Organising Committees have determined the content of this workshop and warrant its scientific independence.

09:00-09:45	Introduction to Flow Cytometry of Platelets	José-Enrique O'Connor (Valencia, ES)
09:45-10:15	Diagnosis of inherited and acquired platelet function disorders	Andreas R. Rechner (Norderstedt, DE)
10:15-10:45	The key role of flow cytometry in diagnosing inherited and acquired platelet function disorders	Danielle White (Cambridge, GB)
10:45-11:00	<i>Coffee break</i>	
11:00-12:00	Interest and measurement of platelet extracellular vesicles by flow cytometry	Romarc Lacroix (Marseille, FR)
12:00-12:30	Demonstration and discussion of listmode files of flow cytometric analysis of platelets and platelet extracellular vesicles	

Lunch on your own

14.00 Start ESCCA Conference