ESCCA
European Society
for Clinical Cell Analysis

ESCCA 2022

WEDNESDAY 21 SEPTEMBER 2022

09.00-12.30 Training course 3: Platelet characterization by flow cytometry

Throughout this course, 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 hemostatic 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. Participants will gain practical experience by analyzing listmode files of real cases from diagnostic, prognostic and therapeutic settings.

Level: Basic
Organiser: José Enrique O'Connor (Valencia, ES)

09.00-10.30	Course Presentation Summary of platelet function and its clinical relevance. Cytometric analysis of platelet function (I): Applications in diagnosis and prognosis
10.30-11.00	Coffee break
11.00-12.30	Cytometric analysis of platelet function (II): Applications in therapy monitoring Virtual analysis of platelet function with real data files and available software