WEDNESDAY 17 SEPTEMBER 2025

WS2	**Extracellular vesicles: understand the capabilities and limits of your machine for detecting EVs**
Workshop organisers:	Alfonso Blanco (Dublin, IE)
Level:	Advanced. Max. 25 places

Extracellular vesicles (EVs) are nanoscale particles released by cells that play a vital role in intercellular communication. They carry proteins, lipids, and nucleic acids, making them powerful biomarkers for disease diagnosis, prognosis, and therapeutic monitoring. With growing interest in their clinical applications, accurate analysis of EVs is more important than ever.

In this workshop, discover the critical technological challenges — from sample collection and storage to preparation protocols — that ensure data integrity and reproducibility.

Learn how to optimize your workflow with proven best practices for EV analysis, including tips on instrument calibration, sample optimization, and troubleshooting. Gain practical experience during a live demonstration, where you'll learn how to set up an instrument, analyze data effectively, and detect common pitfalls such as the swarming effect.

Whether you're new to the field or looking to refine your technique, this workshop offers the insights and tools you need to elevate your research.

09:00-10:30	What are the Extracellular Vesicles. Considerations for analysing them by flow cytometry
10:30-11:00	*Coffee break*
11:00-12:30	How to set up an experiment for analysing EV. Life demo.
Lunch on your own	
14:00	Start ESCCA Conference