

Cytometry Development Tutorials



La Jollay Cove Research Center

Thursday November 9, 2023

UC San Diego

Agenda

9:00 – 11:00 Session I – Basics of Single EV analysis

Overview of applications, biofluid fractionation and EV enrichment, nanoparticle tracking analysis (NTA), resistive pulse spectroscopy (RPS), dSTORM imaging, EV flow cytometry

11:00 – 1:00 Session 2 – Instrument and Assay Demonstrations

NTA (Particle Metrix), RPS (Spectradyne), d-STORM (ONI), EV FC (Cellarcus, Beckman, Cytex)

1:00-2:00 Lunch

2:00 - 4:00 Session 3 – Instrument and Assay Demonstrations

NTA (Particle Metrix), RPS (Spectradyne), d-STORM (ONI), EV FC (Cellarcus, Beckman, Cytex)

4:00 – 5:00 Session 4 – Advanced Topics

EV structure: Cryo-EM Tomography, light scattering, and refractive index estimates

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