

Analysis of Extracellular Vesicles by Flow Cytometry

September 18th, 2024

Vienna One Vision Center, Hernalser Hauptstraße 219, 1170 Vienna

This workshop consists of two parts based on your skill level. The morning session for beginners is focused on the basics, sample preparation and setting up single particle flow cytometry. The afternoon session, covers advanced EV flow cytometry in small particle detection and instrument calibration.

To ensure you get the best hands-on experience possible, please only join the workshop part that you indicated at registration!

Skill Level Beginner

- | | |
|-------|--|
| 09:00 | Opening
Welcome and administration
<i>Wolfgang Holnthoner (Ludwig Boltzmann Institute for Traumatology)</i>
<i>Pierre Paolini (Beckman Coulter Life Sciences)</i> |
| 09:10 | Density Gradient Centrifugation
Tipps & tricks for successful isolation of EVs
<i>Lutz Erhardt (Beckman Coulter Life Sciences)</i> |
| 10:10 | Coffee Break |
| 10:20 | Basics of EV Flow Cytometry
Experiment design & controls
How to setup your instrument
Common pitfalls and how to avoid them
<i>Toni Weinhage (Beckman Coulter Life Sciences)</i>
<i>Max Härtinger (Medical University of Vienna)</i> |
| 11:20 | Coffee Break |
| 11:30 | EV Flow Cytometry: Hands On Session
Setting up the CytoFLEX for small particle detection
Sample acquisition
<i>Toni Weinhage (Beckman Coulter Life Sciences)</i> |
| 12:30 | Lunch Break
Lunch provided by Beckman Coulter |

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Skill Level Advanced

- | | |
|-------|--|
| 13:30 | Opening
Welcome and administration
<i>Wolfgang Holnthoner (Ludwig Boltzmann Institute for Traumatology)</i>
<i>Pierre Paolini (Beckman Coulter Life Sciences)</i> |
| 13:40 | Density Gradient Centrifugation
Common pitfalls and how to avoid them
<i>Lutz Erhardt (Beckman Coulter Life Sciences)</i> |
| 14:25 | Coffee Break |
| 14:35 | Software, Calibration & Controls
Experiment design & controls
How to setup your instrument
Instrument calibration
<i>Toni Weinhage (Beckman Coulter Life Sciences)</i>
<i>Max Härtinger (Medical University of Vienna)</i> |
| 15:20 | Coffee Break |
| 15:30 | CytoFLEX nano: Hands On Session
Sample acquisition
<i>Toni Weinhage (Beckman Coulter Life Sciences)</i> |
| 17:00 | Closing |

If you have any questions for the host of our workshop, Beckman Coulter Life Sciences, please use the following link to ask about the EV workflow, get information on products for EV analysis, request a demo, and more: <https://becls.co/ASEV-CzeSEV-2024>

