

Start	End	Lecture No
09:00	09:20	Lecture 0
09:20	10:05	Lecture 1
10:05	10:25	Tea & Coffee break
10:25	11:10	Lecture 2
11:10	12:10	Student 3-minute presentations (Part 1)
12:10	13:10	Lunch
13:10	15:10	Workshop 1
15:10	15:30	Tea & Coffee break
15:30	17:30	Workshop 2

#### D:

09:00	09:40	Lecture 3
09:40	10:20	Lecture 4
10:20	10:40	Tea & Coffee break
10:40	11:20	Lecture 5
11:20	12:50	Workshop 3
12:50	13:40	Lunch
13:40	14:40	Workshop 4
14:40	15:40	Workshop 5
15:40	16:00	Tea & Coffee break
16:00	17:30	Workshop 6
17:30	18:00	Workshop 7
19:00		Gala Dinner

09:00	09:40	Lecture 6
09:40	10:20	Lecture 7
10:20	10:40	Tea & Coffee break
10:40	11:20	Lecture 8
11:20	12:20	Student 3-minute presentations (Part 2)
12:20	13:20	Workshop 8
13:20	14:20	Lunch
14:20	15:40	Workshop 9 (part 1)
15:40	16:00	Tea & Coffee break
16:00	18:00	Workshop 9 (part 2)

**Lecture title**

**Day 1: Methods of EV isolation – 27.09.2022**

Welcoming and Introduction

A guide to working with extracellular vesicles: minimal experimental and reporting requirements

Methods for EV purification

Introduction to Tangential Flow Filtration (TFF)

EV purification from follicular fluid samples - Size Exclusion chromatography

**Day 2: EV validation methods -Nanoparticle Tracking Analysis (NTA) and Flow Cytometry- 28.09.2022**

Introduction to Zetaview NTA

Flow Cytometric analysis of Evs

Lecture on Nano FCM

EV size and concentration measurements with NTA

Fluorescence NTA

EV zeta-potential measurements with NTA

NTA data analysis

Flow Cytometric analysis of Evs

**Day 3: EV validation methods and further applications- 29.09.2022**

Transmission Electron Microscopy (TEM)

Mass spectrometry proteomics to interrogate extracellular vesicles

Mass production of Evs

Nano FCM Demonstration

RNA extraction from Evs

RNA extraction from Evs

## Lecturer

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