

# Advanced analytical approaches for viral and non-viral drug delivery systems



Tuesday May 14<sup>th</sup>, 2024  
Gent University

## Agenda

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9:00	<i>Registration &amp; Coffee</i>
9:30	Welcome & Introduction
9:40	Guest presentation: <i>Dr. Ine Lentacker ( P.I. Vaccine Delivery, Laboratory of General Biochemistry and Physical Pharmacy, Ghent University)</i>
10:10	Wyatt Presentation: <i>Fundamental light scattering techniques for large molecules</i>
10:40	Wyatt Presentation: <i>Effective ways to determine the Zetapotential of LNP's</i>
11:00	<i>Coffee Break and Wyatt Demonstration</i>
11:30	Wyatt Presentation: <i>High throughput and online characterization of LNP by DLS, PALS and RT-MALS</i>
12:00	Waters Presentation: <i>HPLC MS analysis of fatty acids in LNPs</i>
12:30	Wyatt Presentation: <i>LNP Multi CQAs Quantified by SEC/FFF-MALS and Case Studies</i>
13:00	<i>Lunch</i>
14:00	Guest presentation:
14:30	Wyatt Presentation: <i>AAV analysis with SEC-MALS – Advantage of SEC-MALS and why the empty/full ratio can be determined more precise than with most other techniques</i>
15:00	Guest presentation:
15:30	<i>Coffee Break and Wyatt hands-on session</i>
16:00	Wyatt presentation: <i>AAV analysis in 1 min or 60 min what is the difference in DLS and FFF-MALS analysis in comparison to SEC-MALS</i>

16:30

Wyatt Presentation:  
*Adding MALS to IEX for AAV Quantitation*

17:00

Reception