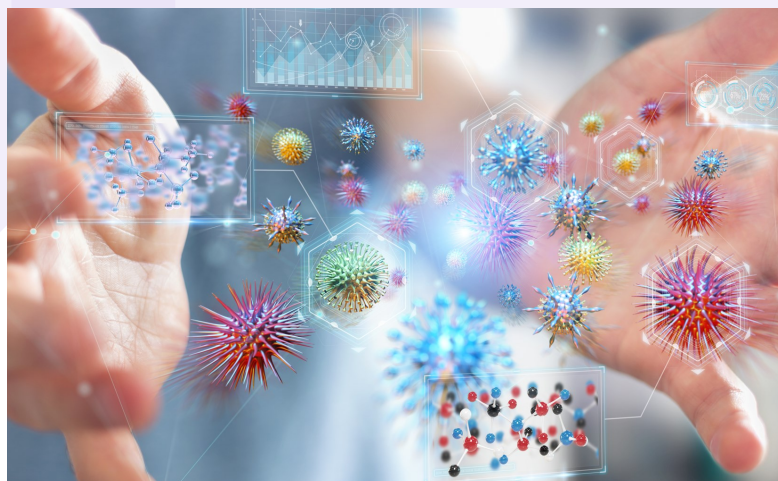


# Advanced viral vector manufacturing for DSP

13.09.—16.09.2022

## Course information :

- ◆ 3.5-day course, with 2 days hands-on practical
- ◆ Net price : 3'300 CHF, including lunch
- ◆ Maximum number of participants : 8



## What are the learning outcomes ?

Participants should be able to:

- ◆ understand the physico chemical properties of viral vectors and their impurities
- ◆ Define the critical quality attributes of viral vectors
- ◆ How to design a purification process for viral vectors such as LV, AD and AAV
- ◆ How to design a purification process for non-viral vectors such as LNPs for mRNA vaccines
- ◆ Understand the principles of different chromatographic resins and their application in viral vector purification
- ◆ understand the regulatory requirements


## Course description :

This course is the follow-on one from **Advanced Viral Vector manufacturing for Gene Therapy – Upstream Processing (USP)**. The USP and DSP courses can be followed sequentially or stand-alone. The course content introduces what the different vectors used in cell, gene therapy and vaccine manufacturing are and a brief introduction to the processes how they are made. The production processes are described in detail, including the essential parts of the USP in order to understand the structure and properties of the vector, but also of the contaminating substances, which must be removed during purification.

Different purification techniques from filtration to chromatography (resin vs. Membrane) will be discussed and carried out in hands-on practical sessions.

**Detailed program will follow soon**

Visit our website!  
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