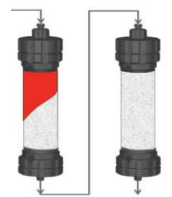




Continuous Chromatography Symposium and Training Workshop

by UMass Lowell, MilliporeSigma, YMC and ChromaCon.

Continuous bioprocessing has a major impact on the development and production of biopharmaceuticals.



This two – day course at UMass Lowell (MA) will include a symposium and training on continuous downstream processing.

The joint UMass Lowell & ChromaCon course *Hands-on Training related to Multicolumn Chromatography Operation and Theory* with support from MilliporeSigma will include training on continuous downstream processing. The symposium will provide presentations from opinion leaders and practitioners in this field.

The course will include discussions on design of continuous capture and polish processes, validation, process economy and operational excellence. Training will take place at UMass and will include practical lab work including experimental design and execution of continuous capture chromatography.

The symposium consisting of lectures can be booked separately from the training workshop.

The event is supported by:





Who should attend?

The symposium is intended for executives, scientists and engineers in the field of biomanufacturing interested in advances made in continuous bioprocessing.

The workshop is intended for research/development scientists, process engineers and manufacturing operators/technicians.

A basic understanding of chromatography techniques and practical hands-on experience is required for the workshop.

Training course description

The one-day training course focuses on the theory and practical aspects of continuous chromatography technology in process development and biomanufacturing.

Hands-on laboratory demonstrations with actual runs of a continuous capture process for mAbs will provide participants with a comprehensive overview of continuous process design, execution and data analysis. The course will also show how continuous purification processes can be integrated into end-to-end continuous bioprocessing connecting upstream with downstream processes.



Wed 8th & Thu 9th May 2019

COURSE AGENDA:

DAY 1: Symposium

- > **Demonstration of robust viral clearance across twin-column continuous Protein A chromatography**
Presentation by: Jim Angelo, Bristol-Myers Squibb
- > **End-to-end continuous biomanufacturing**
Presentation by Prof. Massimo Morbidelli, ETH Zurich
- > **Continuous chromatography applications**
Presentation by Thomas Müller-Späth, ChromaCon
- > **Manufacturing-related aspects and economic considerations of twin-column chromatography**
Presentation by Thomas Müller-Späth, ChromaCon
- > **Quality by Design and continuous processing**
Presentation by Alessandro Butte, DataHow
- > **Scale-up of continuous bioprocessing systems**
Presentation By Kathleen Muhlbacher, YMC
- > **A new cation exchange resin for the removal of monoclonal antibody aggregates using flow-through frontal chromatography**
Presentation by: Matthew T. Stone, MilliporeSigma

DAY 2: Workshop

- > **General: Continuous processes overview**
- > **Process development of continuous processes**
- > **Hands-on: Process Design for capture**
- > **Hands-on: Continuous capture runs of mAbs**
- > **Hands-on: Data Evaluation of runs**
- > **Wrap-up**

For further information and bookings please contact:

E-mail: bpqc@uml.edu

Phone: 978-934-3158

Web: <https://tinyurl.com/uml-contichrom>