

# Chromatography Workshops

## Downstream Processing & Multi-Column Chromatography:



Your  
#ChromatographyExperts  
provide a hands-on  
introduction to biomolecule  
purification using  
chromatography and  
continuous chromatography.  
Participants gain practical  
expertise through dynamic  
binding capacity tests, resin  
and method evaluation, and  
column packing at both  
laboratory and pilot/process  
scale.

### Why Tosoh Trainings?

- Training history since 1997
- Become part of the network of over 2000 technicians and scientists trained in our Chromatography Workshops
- 99% of students recommend training courses at Tosoh to colleagues with an average satisfaction rate of > 90%\*
- Classroom training provides hands-on learning for the most immersive experience. Enjoy talks and practical hands-on experiments under the guidance of qualified tutors

*\* course evaluation of training attendees 2009-2019*



# Tosoh Academy

## Downstream Processing

### Program (Tuesdays)

|       |                                                                                                                                                                                                                                                                      |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:30  | Welcome, Introduction, Expectations                                                                                                                                                                                                                                  |
| 9:15  | Introduction to Basic Chromatography Modes Part 1                                                                                                                                                                                                                    |
| 10:15 | Coffee Break                                                                                                                                                                                                                                                         |
| 10:30 | Introduction to Basic Chromatography Mode Part 2                                                                                                                                                                                                                     |
| 11:30 | Process Column Packing - Basics                                                                                                                                                                                                                                      |
| 12:30 | Lunch                                                                                                                                                                                                                                                                |
| 13:30 | Introduction to Packing Radial Flow Columns                                                                                                                                                                                                                          |
| 14:00 | Training in Rotating Groups <ul style="list-style-type: none"><li>1. Pack &amp; Qualify a Lab Scale Column</li><li>2. Determine Binding Capacities</li><li>3. Pack &amp; Qualify a Process Scale Column</li><li>4. Pack &amp; Qualify a Radial Flow Column</li></ul> |
| 17:00 | End                                                                                                                                                                                                                                                                  |
| 18:00 | Dinner & Outing                                                                                                                                                                                                                                                      |



# Tosoh Academy

## Downstream Processing

### Program (Wednesdays)

- 9:00 Packing of Process Chromatography Columns - Troubleshooting
- 9:45 Training in Rotating Groups  
Experiments 1.-4. Continued
- 12:45 Lunch
- 13:45 Strategies in Chromatographic Method Development
- 14:45 Coffee Break
- 15:45 Summary & Discussion
- 16:30 End of day



# Tosoh Academy

## Multi-Column Chromatography

### Program (Thursdays)

|       |                                                                                                                                   |
|-------|-----------------------------------------------------------------------------------------------------------------------------------|
| 8:30  | Welcome, Introduction, Expectations<br>Multi-Column Chromatography Basics                                                         |
| 10:45 | Coffee Break                                                                                                                      |
| 11:00 | Process Development<br>Hands-On Workshop: Continuous Capture at<br>Development Scale                                              |
| 12:30 | Lunch                                                                                                                             |
| 13:00 | Process Analysis, Assessment, and Troubleshooting<br>Design Space and Process Optimization                                        |
| 14:45 | Coffee Break                                                                                                                      |
| 15:00 | Transfer to Production and Economics<br>Live Show - MCC at Manufacturing Scale<br>Present and Future of Continuous Chromatography |
| 17:00 | End of the Day                                                                                                                    |

TOSOH BIOSCIENCE

**SEPARATION & PURIFICATION**

CONNECTING MINDS. TOUCHING LIVES.



## Prices, Packages and Dates

### Choose your module(s):

- DSP (2 days) - 1.999 €
- MCC (1 day) - 999 €

### Or select a value package:

- DSP & MCC (3 days) - 2.799 €

### Available sessions 2026

- Autumn: 17-19 November
- Additional MCC modules available on:  
16-Jul., 6-Aug., 17-Sep., 8-Oct., and 10-Dec.

Please register by filling in the [registration form](#)  
and sending it to [productmanagement.tbic@tosoh.com](mailto:productmanagement.tbic@tosoh.com)