

3-Day Course:

Continuous Chromatography for mAbs, Oligonucleotides & Peptides

Lectures & Workshops

- Introduction to continuous chromatography for biomolecules
- Theory of multi-column chromatography
- Design of multi-column chromatography processes
- Hands-on training using twin-column equipment for capture and polishing applications (MCSGP & CaptureSMB)
- Process performance evaluation and scale-up
- Introduction to process modelling

**Institute for Pharma
Technology, FHNW, Switzerland**

9th – 11th September 2025



More Info & Registration

YMC
ChromaCon

Webiste Link: www.fhnw.ch/ccb

Course Director: Prof. Dr. Thomas Villiger - thomas.villiger@fhnw.ch

Price: CHF 3000

Course Leaders:

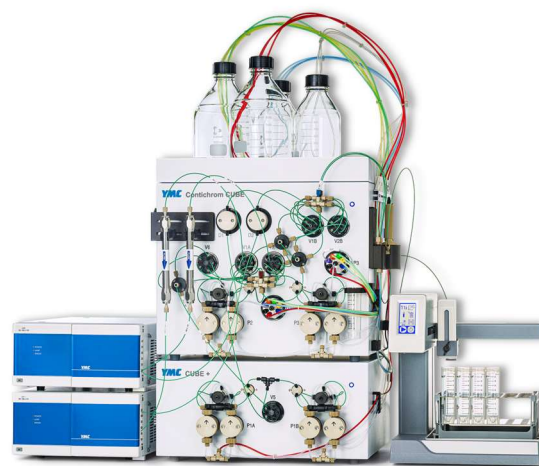


Massimo Morbidelli,
Ph.D., Professor of Chemical
Reaction and Separation
Technologies in the
Department of Chemistry,
Politecnico di Milano.



Thomas Müller-Späth,
Ph.D., CEO at YMC
ChromaCon in Zurich

Equipment: Contichrom CUBE



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University of Applied Sciences and Arts
Northwestern Switzerland



Full Program Info

(Sept 9th – 11th 2025)



	Activity	Time (hrs)	Topic	Instructor
Day 1	Lecture 1	0.75	Production of Bio-therapeutics	Massimo Morbidelli
	Lecture 2	1	Fundamentals of Large-molecule Chromatography	Massimo Morbidelli
	Lab Workshop 1	1.5	Contichrom CUBE & Batch Chromatography	ChromaCon Team
	Lunch	1		
	Lecture 3	0.75	Continuous Countercurrent Chromatography	Massimo Morbidelli
	Lecture 4	0.75	Affinity (Capture) Chromatography	Massimo Morbidelli
	Lab Workshop 2	2	CaptureSMB Design	ChromaCon Team
	Lecture 5	1	Evaluation of Continuous Chromatography	Thomas Müller-Späth
	Evening Program		Reception	
Day 2	Lecture 6	1	Bind and Elute Polishing Chromatography	Massimo Morbidelli
	Lab Workshop 3	1	Linear Gradient Chromatography	ChromaCon Team
	Lunch	1		
	Lab Workshop 4	0.5	Evaluation Center Introduction	ChromaCon Team
	Lab Workshop 5	1	Evaluation of Batch and CaptureSMB Results	ChromaCon Team
	Group presentation	0.5	CaptureSMB Results & Discussion	Thomas Müller-Späth
	Lab Workshop 6	1	MCSGP Design	ChromaCon Team
	Evening Program		Social program + Dinner	
Day 3	Lecture 7	1.5	Integrated Continuous Manufacturing and Process Digitalization	Thomas Müller-Späth
	Lecture 8	1.25	Modelling and Simulations	Thomas Müller-Späth
	Lunch	1		
	Lab Workshop 7	1	Evaluation of MCSGP	ChromaCon Team
	Group presentation	0.5	MCSGP Results & Discussion	Thomas Müller-Späth
	Lecture 9	1.5	Scale-Up of Continuous Chromatography	Thomas Müller-Späth
	Lecture 10	1.5	N-Rich, a process for impurity isolation	Thomas Müller-Späth
	Course Review	0.5	Wrap-up	Thomas Müller-Späth
	Finish	0.5	Guided lab tour (optional)	ChromaCon Team