




Image taken on-site at  nibr  
National Institute for Bioprocessing  
Research and Training

## Continuous Chromatography Seminar & Workshop

Organized by ChromaCon and sponsored by Merck

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

This three day course at Merck's M Lab™ Collaboration Center in Shanghai will include a symposium and a workshop on continuous downstream processing.

Resin sponsoring by Merck, the ChromaCon course provides a *Hands-on Training related to Multicolumn Chromatography Operation as well as Theory* related to continuous downstream processing. The seminar will provide presentations from opinion leaders and practitioners in this field.

The course will also include discussions on design of continuous capture and polish processes, validation, process economy and operational excellence. It will also include a training on difficult to isolate product related impurities using ChromaCon's N-Rich® technology.

The symposium consisting of lectures can be booked separately from the training workshop. The number of training workshop seats is limited.

The training will take place at Merck's M Lab™ Collaboration Center:  
Building 2, No. 88 Chenhui Road, Zhangjiang Hi-Teck Park, Pudong, Shanghai 201203





## Symposium agenda, 10 July, 2019

- 09:00 Registration desk opens
- 09:30 – 09:45 Welcome and introduction
- 09:45 – 10:30 Merck M Lab™ Collaboration Center Introduction and Solution Offerings on Continuous Processing  
Danny Wu and Dr. Wei Hu, Merck
- 10:30 – 11:00 Break
- 11:00 – 11:45 Overview of continuous chromatography  
Dr. Michael Bavand, ChromaCon
- 11:45 – 12:30 Continuous chromatography - New technology and new challenges  
Prof. Dong-Qiang Lin, Zhejiang University
- 12:30 – 14:00 Lunch
- 14:00 – 14:45 Customer Contichrom experience in China  
Yongkuo Zhang, H&E
- 14:45 – 15:30 GMP scale multi-column, multi-function chromatography platform  
Haibo Mao, YMC Process Technologies
- 15:30 – 16:00 Break
- 16:00 – 16:45 Industrial implementation – the BMS case study  
Dr. Michael Bavand, ChromaCon
- 16:45 – 17:00 Closing remarks



## Workshop, 11 & 12 July, 2019

### Who should attend?

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.

### Workshop description

This two day training course focuses on the theory and practical aspects of continuous chromatography technology in process development and biomanufacturing. You will further gain hands-on experience in isolating product related impurities with the N-Rich® technology.

Hands-on laboratory demonstrations guide the participant in the application of continuous downstream process development for monoclonal antibodies.

Key topics of this course are design, development, operation, tech transfer, scale-up, and validation aspects of continuous downstream processes in biomanufacturing.

### Day 1 of Workshop

- > CaptureSMB® process overview
- > CaptureSMB® principle and method wizard
- > Continuous capture of mAbs: starting from batch
- > Continuous capture processes in the lab
- > Data analysis and wrap-up

### Day 2 of Workshop

- > MCSGP & N-Rich® process overview
- > MCSGP & N-Rich® principle and method wizard
- > Continuous MCSGP & N-Rich®: starting from batch
- > Continuous MCSGP & N-Rich® in the lab
- > Data analysis and wrap-up

For further information and bookings please contact Mr. Tengyue Hu

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