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In partnership with Steinbeis Transfer Center at Mannheim University of Applied Sciences, these courses explore purification strategy for biomolecules with a focus on the following applications:

- Protein Chromatography
- Optimization and scale-up of chromatographic steps
- Column packing and testing
- Troubleshooting

Due to the hands-on nature of these courses, enrollment is limited to 8 for each course. We recommend early booking to secure your spot.

Course Details

Method Development and Scale up of Ion Exchange Chromatography

This hands-on course introduces tools for the development and scale up of protein separations, focusing on ion exchange chromatography.

Date: September 9–11, 2019 **Location:** Steinbeis Transfer Center

Mannheim University of Applied Sciences

Paul-Wittsack-Str. 10 68163 Mannheim, Germany

Language: English

Course ID: MANNHEIM01

Chromatographic Methods, Strategies and Optimization

This hands-on course provides a fundamental understanding of chromatographic methods and strategies to purify monoclonal antibodies and related molecules.

Date: September 2–4, 2019 **Location:** Steinbeis Transfer Center

Mannheim University of Applied Sciences

Paul-Wittsack-Str. 10 68163 Mannheim, Germany

Language: English

Course ID: MANNHEIM02

M Lab™ Collaboration Center





Who should attend?

- Process development scientists
- Chemical and biochemical engineers
- Process engineers involved in development, optimization and scale-up of chromatography unit operations
- R&D scientists and technicians
- Professionals in areas related to antibody processing

Please contact your local Merck representative or email **ilearn@merckgroup.com** for a quote.

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Learn more about the M Lab™ Collaboration Centers at: MerckMillipore.com/mlabs

