

# Seminars 2020



# Invitation

For many years, YMC is reknown for its profound knowledge in all fields of liquid chromatography.

## Make use of our seminar program and improve your skills!

All topics meet specific practical needs and modern chromatography subjects. Select your seminar(s):

- **Preparative Chromatography – Process Development and Scale-up**
- **Glass Column Packing – Laboratory Scale and Pilot Columns**
- **Method Development in Chiral Chromatography**

### Your benefits:

Due to the small groups and presence of 2 instructors you will experience interactive training with an open atmosphere. Your specific individual questions can easily be discussed.

This is also available to broaden your own skill levels:

If you would like to address specific tasks, we will be happy to supply a tailored training session, e.g. a special seminar for you with topics which could include:

- Phase Selection
- Method Development
- Basics of HPLC
- HPLC Troubleshooting

**Seminar documents,  
certificate,  
and refreshments  
are included.**



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# On Site Seminars

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## You decide on the location!

We will be happy to welcome you to a seminar in Dinslaken.  
Or we will come to your site!

You can't attend a seminar on our site?

You want a number of colleagues to benefit from our seminars?

You expect a special seminar tailored to your needs?

**Of course, you can also  
book a seminar on your site!**

Choose your seminar from our seminar program or select from further topics (please refer to the overview on page 10). The date, location and number of attendees can be arranged according to your specific requirements.

### **Your benefits:**

- Topics and duration by agreement
- Date and location by agreement
- Flexible number of attendees
- Fixed costs

## How can we assist you? Please contact:

Dr. Mathias Hehn

Head of Laboratories at YMC Europe GmbH

Phone +49 (0)2064 427-0

Telefax +49 (0)2064 427-222

Email [info@ymc.de](mailto:info@ymc.de)

[www.ymc.de](http://www.ymc.de)

# Preparative Chromatography

## Process Development and Scale-up

This seminar will provide basic as well as advanced knowledge for preparative liquid chromatography and therefore will assist you during the complete procedure of process development beginning with the analytical method through scale-up to preparative scale and finally up to operating your purification process. Specific case studies will allow you to broaden your understanding of the seminar's topics. Useful troubleshooting tips and hints for regulatory support will complement the training.

### Contents and Learning Objectives

- Three steps to your preparative method  
How you carry out preparative method development
- Find the balance between purity, yield and productivity  
the “triangle” of preparative chromatography!
- Spoilt for choice – how you select the most suitable column
- What you need to consider in method development
- How you determine optimal loadings
- What you need to consider in scale-up
- How to avoid problems and troubleshooting tips

### Target Group

All chromatography operators who deal with developing and operating preparative separations.

### Number of Attendees

4–8 people



# Preparative Chromatography

## Seminar Instructors

### Michael Ostendorf

Product Manager Preparative Chromatography

### Dr. Andreas Kremser

Product Manager Preparative Chromatography

**Dates** (each date from 9 a.m. to 4 p.m.)

**May 19<sup>th</sup>, 2020**

**September 22<sup>nd</sup>, 2020**

**November 24<sup>th</sup>, 2020**

Deadline is 2 weeks prior to the seminar date.

## Fee

**985€ p.p. plus VAT**

(incl. seminar documents, certificate, lunch, coffee breaks)

## On your site

Arrange a date with the YMC team.



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# Glass Column Packing

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## Laboratory Scale and Pilot Columns

This training will enable you to pack laboratory and pilot scale columns – using theory as well as practical experience. Different packing methods and procedures for preparing the packing process will be discussed. In the hands-on part of the training, you will pack a column by yourselves in our application laboratory. Helpful tips for troubleshooting and method optimization will complement the seminar.

### Contents and Learning Objectives

- How to achieve your packed column – packing methods you can use
- Basics of preparation
- Hands-on experience – all steps you require for packing your column
- How you determine column efficiency
- Troubleshooting – what you can learn from column performance evaluation results

### Target Group

Glass column users with alternative qualifications (laboratory assistants, technicians, engineers, chemists)

### Number of Attendees

3 people

*Pack a column by yourself in the YMC application lab!*

# Glass Column Packing

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## Seminar Instructors

### Dr. Mathias Hehn

Head of Laboratories

### Lisanne Schmiedner

Application Specialist

**Dates** (each date from 9 a.m. to 4 p.m.)

**May 5<sup>th</sup>, 2020**

**September 15<sup>th</sup>, 2020**

**November 3<sup>rd</sup>, 2020**

Deadline is 2 weeks prior to the seminar date.

## Fee

**1,700 € p.p. plus VAT**

(incl. seminar documents, certificate, consumables, lunch, coffee breaks)

## On your site

Arrange a date with the YMC team.



# Method Development in Chiral Chromatography

This seminar will provide all important aspects of method screening and development in chiral HPLC and SFC and beyond. As method predictions are especially difficult for chiral chromatography, the main focus will be on method development beginning with phase and eluent selection. Based on specific examples you will learn how to efficiently optimize methods. Finally, purification of chiral compounds will be discussed.

## Contents and Learning Objectives

- Chiral stationary phases available
- The proof of the pudding is in the eating – how to find a suitable column by phase screening
- How to optimize parameters such as resolution, run time and selectivity
- Have pleasure for a long time – how to prolong your column's lifetime
- The next scale – what you have to take into account for purification of chiral compounds

## Target Group

Chromatography operators who are new to this field or who are already working with chiral separations.

## Number of Attendees

4–8 people



# Method Development in Chiral Chromatography

*Helpful for making  
decision about the  
proper phase –  
perfect in daily usage.*

T. Vágó; LAB-COMP Kft.

## Seminar Instructors

### **Dr. Daniel Eßer**

Product Manager Analytical Chromatography

### **Michael Ostendorf**

Product Manager Preparative Chromatography

**Dates** (each date from 9 a.m. to 4 p.m.)

**May 12<sup>th</sup>, 2020**

**September 29<sup>th</sup>, 2020**

**November 10<sup>th</sup>, 2020**

Deadline is 2 weeks prior to the seminar date.

## **Fee**

**985€ p.p. plus VAT**

(incl. seminar documents, certificate, lunch, coffee breaks)

# Overview

Topic	Price p.p.	Dates in Dinslaken	Also possible „On Site“**
<b>Preparative Chromatography – Process Development and Scale-up</b>	985 €*	19.5.2020 22.9.2020 24.11.2020	yes
<b>Glass Column Packing – Laboratory Scale and Pilot Columns</b>	1,700 €*	5.5.2020 15.9.2020 3.11.2020	yes
<b>Method Development in Chiral Chromatography</b>	985 €*	12.5.2020 29.9.2020 10.11.2020	yes
The following topics can also be presented: <ul style="list-style-type: none"> <li>• Phase Selection</li> <li>• Method Development</li> <li>• Basics of HPLC</li> <li>• HPLC Troubleshooting</li> </ul>	Dinslaken (Germany) or different location on request: contact us via: <a href="mailto:info@ymc.de">info@ymc.de</a>		

\* If on your site, a package price applies upon your request

\*\* For dates at your site, please contact us via [info@ymc](mailto:info@ymc)

*The training at YMC was outstanding. Learned so much and looking forward to putting what I have learned into practice within my role. Thanks to everyone and would love to come back sometime.*

L. Lennox; Crawford Scientific Limited

# Your Registration Form

to YMC Europe GmbH, Schöttmannshof 19, D-46539 Dinslaken, Phone +49 (0) 20 64 - 427-0, Fax +49 (0) 20 64 - 427-222, Email: hehn@ymc.de

Company \_\_\_\_\_

Department \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Address \_\_\_\_\_

Post code / city \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

**We would like to register for the following seminar(s):**

(All YMC-seminars contain: catering, seminar documentation and certificate)

**Dates:**

**Number of participants:**

**Preparative Chromatography – Process Development and Scale-up**     19 May 2020     22 September 2020     24 November 2020    \_\_\_\_\_

**Glass Column Packing – Laboratory Scale and Pilot Columns**     5 May 2020     15 September 2020     3 November 2020    \_\_\_\_\_

**Method Development in Chiral Chromatography**     12 May 2020     29 September 2020     10 November 2020    \_\_\_\_\_

**Participants are:**

(Please write name and surname clearly in block letters)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date \_\_\_\_\_ Signature \_\_\_\_\_

The universal terms of business of the YMC Europe GmbH are valid in the version applicable at the time of booking. Also the universal safety regulations and the conditions of attendance at seminar(s) will apply. Further information can be found on our homepage under the following link: [www.ymc.de/customer-training-and-education.html](http://www.ymc.de/customer-training-and-education.html)



**YMC**  
EUROPE GMBH



## Seminars in Chromatography

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46539 Dinslaken

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Email: [info@ymc.de](mailto:info@ymc.de)

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### Your registration form

Please find the application form on our homepage using the following link:

[www.ymc.de/customer-training-and-education.html](http://www.ymc.de/customer-training-and-education.html)