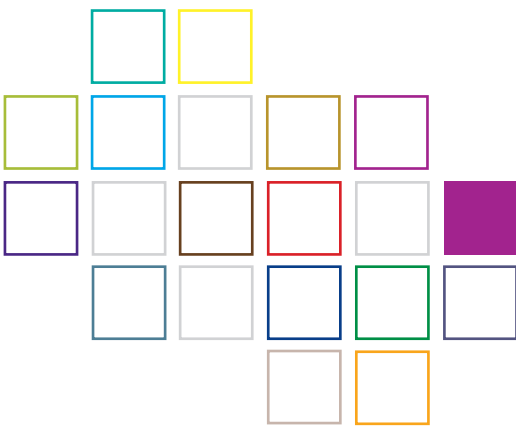


# Development of Subcutaneous and Intramuscular Formulations



13 - 14 February 2025  
Berlin, Germany

Course no.: 7033



## Research and Development

### Target group

Scientists from academia and industry, formulation experts, managers in pharmaceutical research and development, production, quality assurance, project management, product management and life cycle management.



## Objectives

Injections enable dosing of all therapeutic modalities and dominate therapy-changing innovation. Subcutaneous route supports patient self-dosing and serving patients convenience. This course guides formulators, product developers and project leaders through the market trends, technical choices, opportunities and constraints of biologic and chemical actives, their dosage forms and product designs. You will learn about basic considerations for formulation development with a special focus on intramuscular and patient-centric subcutaneous formulations. This course features also shifting from intravenous to subcutaneous dosing, extending to high dose subcutaneous formulations and long acting injectables.

## Course leader



**Sebastian Braun**  
Heinrich Heine Universität Düsseldorf



**Bernd Riebesehl**  
Novartis



**Georg Boeck**  
Boehringer Ingelheim

## Programme

**Thursday, 13 February 2025**

**12:30 - 17:15 h**

Registration and coffee

Opening remarks

Bernd Riebesehl, Novartis

**Subcutaneous and Intramuscular Formulation New Chemical Entities**

Oliver Germershaus, University of Applied Sciences and Arts Northwestern Switzerland

**Biologics liquid formulation development**

Tim Serno, Novartis

**Highly Concentrated Formulations of Biologics for the Subcutaneous Space considering also Tolerability, Pharmacokinetic and Immunogenicity Aspects**

Karoline Bechtold-Peters, Novartis

**On-Body Devices**

Dr. Patrick Mohr, LTS LOHMANN Therapie-Systeme

**Microneedles**

Dr. Frank Theobald, LTS LOHMANN Therapie-Systeme

**Q&A: Challenges/Opportunities for subcutaneous and intramuscular products**

Panel Speakers

**Networking dinner**

**Friday, 14 February 2025**

**09:00 - 16:00 h**

Housekeeping

Sebastian Braun, Heinrich Heine University Duesseldorf

**Changing from intravenous to subcutaneous administration: Where do we stand and what comes next**

Beate Bittner, F. Hoffmann-La Roche

**CDMOs for subcutaneous Intramuscular Technologies and Devices?**

Kurt Sedo, PharmaCircle

**Case study: Development of subcutaneous combination product**

Rahel von Rohr, Kymanox

**Best practices for the evaluation of subcutaneous and Intramuscular injection site reactions from long-acting injectable drugs in non-clinical studies**

Marjolein van Heerden, Janssen R&D (J&J innovative medicine)

**Formulation choices for long-acting injectables**

Bernd Riebesehl, Novartis

**Analytics for long-acting injectables**

Raphael Mietzner, Boehringer Ingelheim

**Connected devices - The Future of Injection Devices**

Eike Kottkamp, Accensors

Closing remarks

## Location

**Hotel Berlin, Berlin**  
a member of Radisson Individuals  
Lützowpl. 17  
10785 Berlin  
Germany  
Phone: 0049 30 26050  
E-Mail: [allotment@hotel-berlin.de](mailto:allotment@hotel-berlin.de)  
Web: [www.hotel-berlin.de](http://www.hotel-berlin.de)

## Registration fee

Industry	1690 EUR
Authority/University	845 EUR
Students*	250 EUR

(free of VAT according to § 4,22 UStG)  
Coffee breaks, luncheons, dinner and electronic proceedings included.

\* Limited places for full time students available; written evidence must be submitted.

## Registration

APV-Geschäftsstelle  
Kurfürstenstraße 59  
55118 Mainz/Germany  
Phone: 0049 6131 97 69 0  
E-mail: [apv@apv-mainz.de](mailto:apv@apv-mainz.de)  
Web: [www.apv-mainz.de](http://www.apv-mainz.de)

You will receive a confirmation of your registration with the invoice.

## Hotel reservation

**Hotel Berlin, Berlin**  
a member of Radisson Individuals  
Lützowpl. 17  
10785 Berlin  
Germany  
Phone: 0049 30 26050  
E-Mail: [allotment@hotel-berlin.de](mailto:allotment@hotel-berlin.de)  
Web: [www.hotel-berlin.de](http://www.hotel-berlin.de)

We have blocked a contingent on the special rate of **149.00 € incl. breakfast and VAT**. The rates are available until 12 January 2025. **Reservation via e-mail mentioning „APV Mainz“.**

## Date

Course no.: 7033  
from 13 February 2025 12:30 h  
to 14 February 2025 16:00 h

## Development of Subcutaneous & Intramuscular Formulations, 13-14 February 2025, Berlin, Germany, Course no. 7033

### Registration

As soon as you have found a seminar of your interest, it is very easy to register for it via e-mail or online. We will process your registration promptly and certainly are available for any questions that may arise.

### Registration confirmation

After your registration was successfully processed, you will receive a confirmation.

### Before the event

A few days before the event starts, you will receive important information about the seminar, such as time, date, addresses etc.

### After the event

You will receive a certificate confirming your participation. Furthermore, we would like to ask you to fill-in our evaluation sheet to make sure we get better every time.

### Follow-up

After the event, we are open to receive any suggestions and critique that might arise during the seminar and will certainly help you with further questions you may have.

### Declaration of consent in respect of data protection

By registering for this seminar, I agree that the APV uses my data for the purpose of processing the order and provides me with all relevant information.

I also agree that APV may contact me for the purpose of exchanging similar information by email or post.

Your data will not be shared with third parties. You have a right of withdrawal at any time without giving reasons.

All other information can be found in our privacy policy ([www.apv-mainz.de/en/imprint/data-protection-statement/](http://www.apv-mainz.de/en/imprint/data-protection-statement/)).

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