Hot Topics

Target group

Formulation scientists, line and project managers, research and development scientists who seek insights in the various aspects and concepts of parenteral formulation, drug delivery and targeting.
Objective:

Parenteral formulations and delivery systems are of importance for the administration of an increasing number of drug molecules such as small molecules, peptides, oligonucleotides and protein drugs. Parenteral formulation types range from aqueous solutions to sophisticated formulation concepts such as lipid or polymer based delivery systems enabling extended drug release and or targeting to specific tissues. This course will provide information and insights about the different parenteral formulation and delivery concepts. In the first part of the course, basic principles and requirements for parenteral formulation development for small and large molecules will be introduced. In the second part, depot formulations for extended and controlled release will be presented. In addition, new concepts for parenteral drug delivery and targeting will be discussed.

Course leaders:

**Dr. Rainer Alex, F. Hoffmann-La Roche AG**

Dr. Rainer Alex, studied Pharmacy the Eberhard Karls University at Tübingen. After completing his doctoral thesis in Pharmaceutical Technology at the LMU Munich he received a research fellowship by DFG (Deutsche Forschungsgemeinschaft) and was a Post Doc at the College of Pharmacy at the University of Texas at Austin, USA. He joined F. Hoffmann-La Roche Ltd in Basel, Switzerland, in 1989 where he held various local and global positions in the area of Pharmaceutical and Analytical R&D. In his current position he is responsible for Preformulation and Drug Delivery in Pharma Research and Early Development at the Roche Innovation Center Basel. He is a founding member of the APV Focus Group Drug Delivery and from 2006 – 2018 served as member of the scientific program committees for the PBP World Meetings held in Barcelona (2008), Malta (2010) and Glasgow (2016).

**Dr. Bernd Riebesehl, Novartis AG**

Dr. Bernd Riebesehl has been Distinguished Fellow & Senior Technical Project Leader in the Pharmaceutical Development Parenteral & Topical Dosage Forms of Novartis Pharma AG, Basel, Switzerland since 2008. At Novartis he is leading technical development projects and chairing the innovation committee in pharmaceutical product development. Externally Dr. Riebesehl has been serving as Advisory Board Member of the European Society of Clinical Nanomedicine, and chaired drug delivery sessions for the Section Drug Delivery of International Association for Pharmaceutical Technology (APV). He completed his thesis in Pharmaceutical Technology at the Technical University of Braunschweig. 1992 he started his industrial career at Lilly Forschung GmbH in Hamburg leading several teams for preformulation, early phase development and formulation development. In his role as Research Advisor in Pharmaceutical R&D he has led several initiatives enabling the formulation of poorly soluble drugs. In 2007 he became Director of Pharmaceutical Development at Speedel Experimenta AG, Basel.

Programme:

**Tuesday, 26 February 2019, 11:00 - 17:30 h**

- **Developability assessment small molecules**
  Dr. Bernard van Eerdenbrugh, Novartis, Switzerland

- **Development of parenteral formulations for small molecules**
  Dr. Dieter Röthlisberger, Lonza, Switzerland

- **Application of cyclodextrins for parenteral formulations**
  Dr. René Holm, Janssen Pharmaceutical Companies of Johnson & Johnson, Belgium

- **Accelerated Stability Assessment Program (ASAP) for parenteral formulation development**
  Dr. Sabine Thielges, Novartis, Switzerland

- **Development of parenteral formulations for large molecules (proteins)**
  Dr. Astrid Pappenberger, Roche, Switzerland

- **Targeted drug delivery by small molecule drug conjugates – the discovery chemistry perspective**
  Dr. Ralf Glatthar, Novartis, Switzerland

- **Options for long acting parenteral drug delivery formulations**
  Dr. René Holm, Janssen Pharmaceutical Companies of Johnson & Johnson, Belgium

- **Panel discussion with questions and answers**

**Wednesday, 27 February 2019, 08:30 - 17:00 h**

- **Parenteral drug delivery market trends**
  Mr. Kurt Sedor, Pharmacircle LLC, United States

- **Extended release polymer systems for small molecules and peptides**
  Dr. Tom Tice, Evonik, United States

- **Expectations of hospital users towards parenteral product properties**
  Dr. Michael Baehr, Hospital Pharmacy, Universitätsklinik Hamburg-Eppendorf, Germany

- **Continuous infusion devices**
  Dr. Norbert Lauber, Novartis, Switzerland

- **IVIVC - Release testing**
  Dr. Manuel Sanchez-Felix, Novartis, United States

- **Lipid nanoparticles for drug targeting**
  Prof. Raymond Schiffflers, UMC Utrecht, Netherlands

- **Sharing experiences in the pharmaceutical development of nanomedicines**
  Dr. Marianne Ashford, Astra-Zeneca, United Kingdom

- **TransCon technology for sustained delivery of proteins, peptides, and small molecules**
  Dr. Dr. Burkhardt Laufer, Ascendis Pharma GmbH, Germany

- **Final panel discussion with questions and answers**
Registration
As soon as you have found a seminar of your interest, it is very easy to register for it via fax, 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.

Declarations 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/).