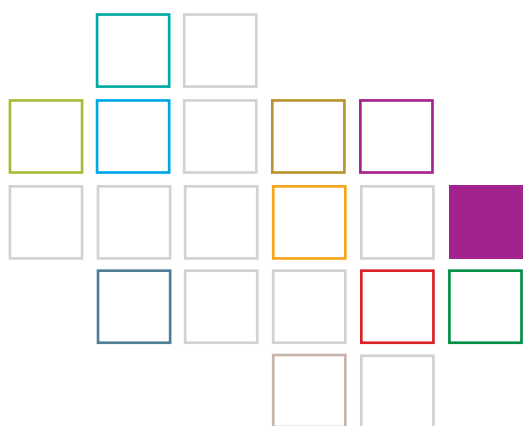


Oral Bioavailability across Barriers



17 - 18 September 2024
Darmstadt, Germany

Course no. 6999



Research and Development

Target group

This course is designed for all scientists, project and technical managers working in the field of oral delivery of non-Rule of 5 compounds. The course would also be of interest to those working in closely related fields such as Drug Discovery, Toxicology and Regulatory and those who wish to increase their knowledge of this highly interdisciplinary field.



A seminar organised by the APV focus group Drug Delivery

Objectivs

Many of today's therapeutic candidates have physiochemical properties which fall outside the limits described by Lipinski for high oral bioavailability. These non-Rule of 5 compounds which include peptides, PROTACs, molecular glues and nucleic acids suffer from poor membrane permeability, poor water solubility or both. This workshop focuses on the latest research to understand the challenges of delivering BCS Class 3 and Class 4 compounds and the approaches and technologies being developed and used to facilitate oral delivery of such drug candidates via the GI tract.

Moderators



Hon.-Prof. Dr. Michael Juhnke, Senior Principal Scientist, F. Hoffmann-La Roche

Michael is a Process Engineer with 18 years experience in applied industrial development of NCEs for oral and pulmonary drug products from pre-clinical to commercial stage. He is actively teaching at the Technical University Braunschweig and an appointed EDQM expert to support the elaboration and revision of Ph. Eur. methods and texts.



Dr. Louise Rosenmayr-Templeton, Founder Tower Pharma Consulting

Dr. Louise Rosenmayr-Templeton is the founder of Tower Pharma Consulting, a boutique consultancy, whose focus is on formulation science, product development and drug delivery technologies. Based in Berndorf, Austria, the consultancy provides a variety of scientific, technical and project management services to pharmaceutical and biotech companies. Dr. Rosenmayr-Templeton has over 25 years' experience in pharmaceutical drug development, and during her career worked for Abbott Laboratories, the Elan Corporation and Boehringer-Ingelheim.



Prof. Dr. Markus Thommes, Head of the Chair of Solids Process Engineering at TU Dortmund

Since 2014 Markus Thommes is head of the chair "Process Solids Engineering" at the Department of Biochemical and Chemical Engineering at TU Dortmund University. His research focuses on the development of formulations and processes for new solid dosage forms. Mr. Thommes is an expert pharmacist in pharmaceutical analytics and pharmaceutical technology. Furthermore he is appointed member in committees of the International Association for Pharmaceutical Technology (APV), the "Gesellschaft für Chemische Technik und Biotechnologie" (DECHEMA) and the European Directorate for the Quality of Medicine & Health Care (EDQM).



Dr. Georg Böck, Scientific Director Pharmaceut. Development, Boehringer Ingelheim

Georg's main areas of research include respiratory drug delivery, solid oral dosage forms with a special focus on poorly soluble and bioavailable compounds, parenteral formulations for new chemical entities (NCEs) and Advanced Therapy Medicinal Products (ATMP).

Programme

Tuesday, 17 September 2024

13:00 - 18:00 h

Opening remarks and housekeeping

Michael Juhnke, F. Hoffmann-La Roche
Louise Rosenmayr-Tempelton, Tower Pharma Consulting

Increasing of solubility of poorly soluble oral compounds/bRo5

Karl Wagner, University of Bonn

Developability assessment

Susane Page, F. Hoffmann-La Roche

Nanoparticles

Michael Juhnke, F. Hoffmann-La Roche and
Markus Thommes, TU Dortmund University

Ionic liquids

Hassan Benameur, Monash University

Networking dinner

Wednesday, 18 September 2024

09:00 - 17:30 h

Opening remarks and housekeeping

Michael Juhnke, F. Hoffmann-La Roche
Louise Rosenmayr-Templeton, Tower Pharma Consulting

Passive permeability and efflux

Joseph O'Shear, University College Cork

Permeation enhancement

David Brayden, University College Dublin

Bioavailability of peptides: review of technologies

Achim Grube, Boehringer Ingelheim Pharma GmbH & Co. KG

PROTAC: phys-chem properties, chameleonicity, challenges for oral dosage form development

Giulia Apprato, University of Turin

Lymphatic uptake

Daniel Bronner, PureTech Health

Oral delivery of nucleic acids

Catriona O'Driscoll, University College Cork

Characterisation and engineering of extracellular vesicles as potential drug carriers

Gregor Fuhrmann, FAU Erlangen-Nürnberg

Closing remarks

Michael Juhnke, F. Hoffmann-La Roche
Louise Rosenmayr-Templeton, Tower Pharma Consulting

End of the seminar

- programme subject to changes -

Location	Registration fee	Registration	Hotel reservation
greet hotel Darmstadt Hilpertstr. 27 64295 Darmstadt web www.accor.de mail HB6J0@accor.com phone +49 6151 39765 0	Until 15 July 2024 Industry 1590 EUR Authority/University 795 EUR Students* 250 EUR	APV-Geschäftsstelle Kurfürstenstraße 59 55118 Mainz/Germany Phone: 0049 6131 97 69 0 E-mail: apv@apv-mainz.de Web: www.apv-mainz.de	greet hotel Darmstadt Hilpertstr. 27 64295 Darmstadt web www.accor.de mail HB6J0@accor.com phone +49 6151 39765 0
Date Course no.: 6999 from 17 September 2024 13:00 h to 18 September 2024 17:30 h	From 16 July 2024 Industry 1690 EUR Authority/University 845 EUR Students* 290 EUR (free of VAT according to § 4,22 UStG) Coffee breaks, luncheon, dinner and electronic proceedings included. * Limited places for full time students available; written evidence must be submitted.	You will receive a confirmation of your registration with the invoice.	We have blocked a contingent on the special rate of 95.00 € incl. breakfast and VAT. Reservation code: APV-Bio The rates are available until 18 August 2024.

Oral Bioavailability across Barriers, 17 - 18 September 2024, Darmstadt, Germany, Course no. 6999

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/).

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