Oral Bioavailability Across Physiological 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



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

Loiuse Rosenmayr-Tempelton, Tower Pharma Consulting and Georg Böck, Boehringer Ingelheim

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

Loiuse Rosenmayr-Tempelton, Tower Pharma Consulting and Georg Böck, Boehringer Ingelheim

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 therapeutic nucleic acids Caitriona O'Driscoll, University College Cork

Characterisation and engineering of extracellular vesicles as potential drug carriers Gregor Fuhrmann, FAU Erlangen-Nürnberg

Closing remarks

Loiuse Rosenmayr-Tempelton, Tower Pharma Consulting and Georg Böck, Boehringer Ingelheim

End of the seminar

- programme subject to changes -

Registration by email apv@apv-mainz.de



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 Authority/University Students* From 16 July 2024 Industry Authority/University	1590 EUR 795 EUR 250 EUR 1690 EUR 845 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 You will receive a confirmation of	greet hotel Darmstadt Hilpertstr. 27 64295 Darmstadt web www.accor.de mail HB6J0@accor.com phone +49 6151 39765 0 We have blocked a contingent on
Date Course no.: 6999 from 17 September 2024 to 18 September 2024	13:00 h 17:30 h	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.		your registration with the invoice.	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 Physiological 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.	Title, first name, last name *			
Registration confirmation After your registration was successfully processed, you will receive a confirmation.	Company name *			
Before the event A few days before the event starts, you will receive	Street/no. or P.O. box *			
time, date, addresses etc.	Location			
After the event You will receive a certificate confirming your participation. Furthermore, we would like to ask you	Zip-code and city *			
to fill-in our evaluation sheet to make sure we get better every time.	Phone			
Follow-up After the event, we are open to receive any suggestions and critique that might arise during the seminar and	E-mail-address participant *			
will certainly help you with further questions you may have.	Order no. and/or billing address			
Declaration of consent in respect of data protec- tion				
By registering for this seminar, I agree that the APV uses my data for the purpose of processing	Pay via invoice			
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