



Ocular

Physiologically - Based Pharmacokinetic Modelling and Simulation - A valuable tool for Pharmaceutical Development

Pulmonary

Jonathan Brown

Dermal

IV

Oral

**Webinar for members of EIPG
in conjunction with
PIER and University College Cork**

**Thursday 21st October 2021
at 17.00 CEST (16.00 BST)**

Click here to register

About the Speaker

Jonathan Brown graduated in Pharmacy from University of Nottingham and is a registered UK pharmacist. He gained a PhD in Drug Delivery from the University of Manchester and subsequently joined Bristol-Myers Squibb. He has worked on the development of solid oral dosage forms and also in CMC project team leadership for over 20 years. He has worked extensively in the design of extended release systems and has strong understanding and experience of PBPK modelling of oral formulations. He is a co-founder of the Gastroplus User Group and has contributed to several academic-industrial consortia in the area of paediatric formulation and biopharmaceutics.

Overview of Webinar

Over the last 20 years Physiologically - Based Pharmacokinetic (PBPK) Modelling and Simulation has developed and is now used extensively within Discovery and Development in the Pharmaceutical Industry. Its adoption has been driven by the availability of commercial software platforms and a realisation of the benefits to be gained including the potential to reduce the number of in vivo studies performed.

This webinar will cover an introduction to PBPK modelling, what it is and how it can be applied to support Chemistry, Manufacturing and Controls (CMC) development.

It will provide an overview of usage in oral, small molecule development, supported by examples from the areas of biopharmaceutics and formulation development. Current and potential future applications of PBPK modelling in Quality and Regulatory fields will also be discussed.

Learning Outcomes

By the end of this webinar, you will be able to:

1. Understand the definition of a Physiologically - Based Pharmacokinetic (PBPK) model.
2. Demonstrate an awareness of how PBPK models can be used.
3. Appreciate the benefits and challenges in applying PBPK models in CMC areas.

To Join the Webinar

Please register for the event by filling out the [Webinar Registration Form](#). **The instructions will be shown on the screen when you submit the form**, for you to keep a record of them.

Continuing Education:

A certificate of attendance will be issued after the webinar. The session will be an hour of Continuing Education.