

Introductory **GastroPlus**[®] Simulation & Modeling Workshop

September 23 - 25, 2019 in Mainz, Germany

Who should attend?

This is a beginner's course – prior experience with GastroPlus is not required. This course was designed for:

- Pharmaceutical & biotechnology scientists/engineers in DMPK, ADME, preformulation/formulation, biopharmaceutics, pharmacokinetics and clinical pharmacology
- Scientists involved in drug development wishing to learn how to apply our simulation and modeling tools to accelerate drug discovery and development

What will you learn?

You will learn to understand and recognize potential interactions among such factors as:

- pKa – ionization effects on solubility, dissolution, permeability & absorption
- solubility & permeability changes in the various environments in the gastrointestinal tract and the differences in physiology between human & preclinical species
- formulation effects, including particle size distributions and controlled release dosage forms

You will gain basic experience with:

- predicting drug properties from chemical structures using the ADMET Predictor[®] Module
- recognizing when to use PBPK vs. standard compartmental PK models
- assessing formulation strategies such as micronization and nanoparticles
- fitting nonlinear metabolism and transport models
- estimating steady-state and dynamic DDIs
- building PBPK/PD models using simulated target tissue concentrations
- simulating populations including selected mixes of ages, gender ratios, and ethnicities to help virtual trials predict bioequivalence
- deconvoluting *in vivo* dissolution to generate more useful IVIVCs
- modeling the *in vivo* exposure of large molecules (biologics)

How will the workshop operate?

Laptop computers will be provided with GastroPlus preloaded along with all data files needed to run the case studies. Continental breakfast, snack breaks, and lunch will be provided each day.

Where will this be held?

Johannes Gutenberg University Mainz

Building 1430 Anthropologie

Anselm-Franz-von-Bentzel-Weg 7, Room 00 101

55099 Mainz, Germany



Register online! www.simulations-plus.com/workshops

S+ **SimulationsPlus**

SCIENCE + SOFTWARE = SUCCESS

REGISTRATION FORM

Attendance is limited. Registration will close September 16, 2019, or when the workshop reaches capacity.

Please fill in this form and return to Renee Bouche (renee@simulations-plus.com); Fax: +1-661-723-5524
To register by phone, please call Renee at +1-661-723-7723 ext. 227

The Introductory GastroPlus Simulation & Modeling Workshop September 23 - 25, 2019 in Mainz, Germany

Title: Professor Dr. Mr. Mrs. Miss Ms.

First name:

Last name:

Company:

Position:

Department:

Address:

Telephone:

Email:

Purchase Order No. (if applicable):

Cost for the workshop is USD \$1,500 per person (industry) and USD \$750 (government/academic/nonprofit) and includes all workshop materials, continental breakfast, refreshment breaks, and lunch each day. A training license will be granted to all paid attendees. The training license will begin on the last day of the workshop and expire 30 days later.

Hotel accommodations are not included.

Method of payment (Please check one)

Credit card (a confirmation message will be sent to the email address provided)

Name on card:

Email:

Tel:

Card billing address:

Zip/Post Code:

Type of card: Visa MasterCard AMEX Card Number:

Expires:

Security code:

Payment by check (you will be invoiced upon receipt of your completed registration form)

Payment by wire transfer (you will receive wire transfer information upon receipt of your completed registration form)

Payment online (you will be redirected to the payment portal when registering online at simulations-plus.com/workshops)

Terms and Conditions

Cancellation Policy: Cancellations made prior to September 16, 2019, will be eligible for an 80% refund. Refunds for cancellations will be honored up to 45 days after the date of payment for credit card transactions. Substitutions are allowed up to 10 days before the event.

Payment Terms: Following completion and return of the registration form, the total fee must be paid within 30 days of receipt of invoice. All fees must be paid in full prior to the start of the workshop.