DS DILIsym®
2-Day Introductory Course
November 15th-16th, 2022

Who should attend?

This is a beginner's course for clinicians, pharmaceutical/biotechnology scientists, and engineers in the areas of toxicology, clinical pharmacology, pharmacovigilance, DMPK and ADME - prior experience with DILIsym is not required. The course will use DILIsym X, the newest and most advanced release of DILIsym, but many of the guiding principles will be taught in a software-independent manner. Class size is limited to encourage interaction with the course instructors and among attendees. Virtual networking among industry, government, and academic scientists is part of the experience!

What will you learn?

You will understand the following important aspects of liver safety investigation:
- concepts accepted by regulators related to drug-induced liver injury (DILI) monitoring and detection
- primary mechanisms, (e.g., mitochondrial dysfunction, ROS, bile acids, and lipotox) often involved in DILI events
- *in vitro* assay design and execution for DILI-related mechanisms
- pharmacokinetics, including prediction of liver concentrations using GastroPlus® and how this impacts DILI predictions (*note that a separate GastroPlus workshop is recommended for detailed PBPK training*)

You will gain basic experience with:
- translating *in vitro* data into DILIsym parameter values, including the use of automated optimization
- simulating expected DILI outcomes for humans, rats, mice, and dogs
- utilizing simulated populations (SimPops®) to predict infrequent events in a diverse patient population

How will the workshop operate?

This workshop will be entirely virtual. Attendees will be responsible for acquiring/using their own computers to log on. The workshop will start at 9 AM ET both days and conclude at 4:30 PM ET. Mid-morning and mid-afternoon breaks will be taken, and a break will be taken for lunch from approximately Noon ET to 1 PM ET. All attendees will follow the same track. Log-in information will be sent out to all registered attendees in advance of the course, along with course materials.

Day 1 – 'DILIsym Introduction,' including DILI and QST overview, software overview, introduction to mechanisms included in DILIsym and associated assays, and interaction of DILI mechanisms. SimPops and optimization may also be covered if time allows.

Day 2 – 'Focus on Application of DILIsym to Evaluate Compounds,' including workflow, SimPops, how to use Specified Data to input PK information from GastroPlus, step-by-step parameter derivation examples, and a live, hands-on compound example exercise. Optimization may also be covered if time allows.

Attendance is limited
Please register by November 8th, 2022

"There are now many examples where DILIsym® modeling has been helpful in drug development decisions and in attaining regulatory approvals."

Paul B. Watkins, M.D.
Director of UNC Institute for Drug Safety Sciences

FREE - DILI-sim member and/or DILIsym license holder from industry
FREE - Academic or government
$600 - Non-members and non-license holders from industry
Cost for the workshop includes all workshop materials.

Register online! simulations-plus.com/register-training-workshop

S+ SimulationsPlus