IPFsym® ILDsym®

Introductory Course

October 27th, 2022

Who should attend?

This is a beginner's course for mechanistic modelers, pharmacologists, clinicians, pharmaceutical/biotechnology scientists, and engineers in the specific area of clinical and quantitative systems pharmacology (QSP) for **idiopathic pulmonary fibrosis (IPF)** and **interstitial lung disease (ILD)** associated with systemic sclerosis (SSc). Prior experience with IPFsym or ILDsym is not required. The course will focus on IPFsym v1A and ILDsym v1A, 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 IPF/ILD:

- key components of IPF/ILD pathophysiology, including lung fibrosis, inflammation, and the use of high-resolution computed tomography (HRCT) in characterizing heterogeneity within diseased lung tissue
- differences in the representation of IPF and ILD based on understanding the disease-specific pathophysiology and their impact on lung function
- patient heterogeneity, manifesting as variability in patient profiles and rates of disease progression
- important biomarkers and bio-signatures used by developers and regulators to assess treatment efficacy, including lung function tests
- virtual clinical trial design, including patient selection, protocol specification, simulations, and visualizing results
- treatments approved for IPF and SSc-ILD and their representation in IPFsym and ILDsym, respectively

You will gain basic experience with:

- translating pre-clinical and clinical data into IPFsym/ILDsym parameter values, including the use of sensitivity analyses and optimization
- simulating expected treatment outcomes for simulated IPF/ILD patients at various stages of the disease
- validation and support for existing IPF/ILD simulated populations (SimPops) included in the software
- stratification of simulated populations to address a planned or possible clinical study

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 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.

Agenda by Topic – 'IPFsym/ILDsym Introduction and Applications,' including IPF/ILD overview, software overview, introduction to pathophysiologies included in IPFsym v1A and ILDsym v1A, associated SimPops validation, and included biomarkers. The general workflow for using the software from start to finish will be discussed, alongside an example compound simulation exercise.

Attendance is limited
Please register by October 20th, 2022

FREE - IPFsym license holder from industry
FREE - Academic or government
$300 - Non-license holders from industry
Cost for the workshop includes all workshop materials.

Terms and Conditions
Cancellation Policy: Cancellations made prior to October 20th, 2022, 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.

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

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