

University Medical Center Groningen

Department of Clinical Pharmacy and Pharmacology

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Introduction course to Population PK and PK/PD modelling with NONMEM

During this three days course, participants will be introduced to the basic principles of population approach nonlinear mixed effects modelling in pharmacokinetic (PK) and pharmacodynamic (PD) evaluation of drugs and will have opportunities for hands-on PK and PK/PD modelling and simulation examples relevant to drug development. Topics include how to work with NONMEM and R, data file preparation, model coding and visualization/interpretation of the results.

Target audience

The course is intended for people who have a basic knowledge of PK, PD and data analysis, and wish to extend their knowledge and skills on PK/PD in drug development.

Course objectives

Aim of the course is to familiarize the participants with the basics of population PK/PD modelling and to train the participants in working with NONMEM to conduct population PK and PK/PD data analyses.

Details

Instructor	Dr. Jasper Stevens
Duration	3 x 8 hours
Dates	1 st to 3 rd of May 2019; 09:00-17:00
Location	University Medical Center Groningen, The Netherlands
Language	English
Maximum capacity	16 participants

Course overview

Session 1	Introduction to population PK modelling, NONMEM and R
Session 2	NONMEM work flow for population PK models; data management, data exploration, model code and execution, output and interpretation
Session 3	Population PK models continued: alternative administration routes, solving differential equations using NONMEM and simulations
Session 4	Population PK/PD models: introduction to PK/PD models and implementation of direct effect models in NONMEM
Session 5	Population PK/PD models: effect compartment and indirect response models



Course fee

The course fee is 1500 EUR, including course materials, coffee breaks, lunches and one evening dinner (Wednesday evening). Computers are available, including the required software packages. A limited number of students can register for a reduced fee (750 EUR), for which a support letter of the supervisor has to be included upon registration.

Cancellation received before April 10th, 2019 is subject to full refund, cancellation received after this date is subject to 50% refund.

Registration

To register for the course, please fill out the enclosed form and send it by email to nonmem@kff.umcg.nl thereby including your name, affiliation and postal address.

Kindest regards,

Jasper Stevens
Clinical Pharmacy and Pharmacology
University Medical Center Groningen

