Application for 2nd DDMoRe course:

Model-informed Drug Development in Central Nervous System Diseases

27-31 July 2015, University of Leiden

Prerequisites for application

1. PhD students or Postdoc fellows in the quantitative life sciences field, with background in Pharmacy, Medicine, Engineering, Statistics, Mathematics, Systems Pharmacology or Systems Biology.
2. Basic understanding of nonlinear mixed-effects modelling (NLME) concepts including model components (structural, covariate and variability) of PK and/or PD and/or (central nervous system) disease models for continuous data.
3. First experience with at least one NLME modelling software including basic knowledge of estimation methods and algorithms.
4. Basic interpretation of PK and/or PD and/or (central nervous system) disease model results for continuous data
5. Basic understanding of NLME model evaluation principles (e.g. model parameter uncertainty, GOF plots/criteria, simulation-based diagnostics).
6. Basic knowledge in R or similar programming software.
7. Basic competence to develop strategies for model building and draw model inferences for decision-making.

PERSONAL DATA

Mr.   **Ms.**

Name

Nationality

SCIENTIFIC BACKGROUND: Highest completed degree

Type (e.g. MSc, Dipl., or equiv., PhD)

From (Institution)

Main subject

CURRENT SITUATION

Affiliation (Institution, Department, postal address)

Email address

Current position

Since when

Scientific field (which you feel related to the most)

  Others

Subject of current research

CV (e.g. Scientific education/career, extracurricular experience/internships, publications (max: 5), attended workshops/conferences (max: 5))

The following part does not belong to the application. This information will be used by DDMoRe to prepare the course and to further improve the DDMoRe developments.

Which modelling & simulation software programs are you experienced in and how are your levels of competences?

NONMEM	Matlab
Monolix	PK-Sim
R	SAS
PsN	Simulx
Xpose	WinNonlin
Berkeley Madonna	Others:
Pirana	

Which computing environment do you use in daily work?

32-bit	Windows XP
64-bit	Windows 7
OS X	Windows 8
Virtual box with	Linux/Unix
windows (or similar)	Others:

What do you expect from the course? (Name the 3 most important to you, starting with the most important expectation.)