Application for 3rd DDMoRe course:
Model-informed Drug Development in Cardiac Safety

18-22 January 2016, AstraZeneca R&D Gothenburg, Sweden

Prerequisites for application

1. PhD students or Postdoc fellows as well as other scientists 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 (cardiac safety) disease models for continuous and discrete 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 (cardiac safety) disease model results for continuous and discrete 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

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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)
If others, please fill in

For junior scientists only:

Subject of current research

Supervisor

Experience in modelling & simulation

A. Your level of understanding of nonlinear mixed-effects modelling (NLME) concepts including model components (structural, covariate and variability) for continuous and discrete data?

PK models for continuous data	
PK models for discrete data	
PD models for continuous data	
PD models for discrete data	
Disease models in cardiac safety for continuous data	
Disease models in cardiac safety for discrete data	

B. Your interpretation skills regarding PK and/or PD and/or disease model results for continuous and discrete data?

C. Your level of understanding of NLME model evaluation principle (e.g. model parameter uncertainty, GOF plots/criteria, simulation-based diagnostics)?

D. Your level of competence to develop strategies for model building and draw model inferences for decision-making?

CV

Scientific education/career

Extracurricular experience/internships

Publications (max: 3)

Attended workshops/conferences (max: 3)

Other qualification

Letter of motivation for participating in the course (max 1 Page)

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
- ☐ Monolix
- ☐ R
- ☐ PsN
- ☐ Xpose
- ☐ Berkeley Madonna
- ☐ Pirana
- ☐ Simulx
- ☐ Matlab
- ☐ PK-Sim
- ☐ SAS
- ☐ Winbugs
- ☐ Phoenix
- ☐ Others:

Which computing environment do you use in daily work?

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

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

The completed application form shall be saved as follows: "{LastName}_{FirstName}-CardiacSafetyCourse.pdf", e.g. as 'Smith_John-CardiacSafetyCourse.pdf' and sent to: info.ddmore@gmail.com. Please mention Cardiac Safety Application From in the mail subject.

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