

13th EFMC Short Course on Medicinal Chemistry

Programme

Sunday April 23, 2017

17:00 Registration

18:00 Dinner

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Programme

Monday April 24, 2017

07:30 **Breakfast**

08:30 **Introduction**

09:00 **Mathematics of binding kinetics**

Prof. Georges VAUQUELIN
(VUB, Brussel, Belgium)

10:30 **Coffee Break**

11:00 **Mathematics of binding kinetics - Part II**

Prof. Georges VAUQUELIN
(VUB, Brussel, Belgium)

12:30 **Lunch**

13:30 **Characterizing the Dynamics of Molecular Interactions**

Prof. Helena DANIELSON
(UPPSALA UNIVERSITY, Uppsala, Sweden)

15:00 **Coffee Break**

15:30 **Characterizing the Dynamics of Molecular Interactions - Part II**

Prof. Helena DANIELSON
(UPPSALA UNIVERSITY, Uppsala, Sweden)

17:00 **Day End**

18:00 **Dinner and walking tour through Leiden**

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Tuesday April 25, 2017

07:30 Breakfast

08:30 Kinetics for drug discovery: *In vitro* assays to study GPCRs

Dr Laura HEITMAN
(UNIVERSITY OF LEIDEN, Leiden, The Netherlands)

10:00 Coffee Break

10:30 Kinetics in Drug Discovery - A Case for G Protein-coupled Receptors

Prof. Ad P. IJZERMAN
(UNIVERSITY OF LEIDEN, Leiden, The Netherlands)

12:00 Lunch

13:00 Pharmacokinetic-pharmacodynamic Relationships, the Connecting Role of Binding Kinetics

Dr Liesbeth DE LANGE (UNIVERSITY OF LEIDEN, Leiden, The Netherlands)
Mr Wilbert DE WITTE (UNIVERSITY OF LEIDEN, Leiden, The Netherlands)

15:00 Coffee Break

15:30 Pharmacokinetic-pharmacodynamic Relationships, the Connecting Role of Binding Kinetics - Part II

Mr Wilbert DE WITTE (UNIVERSITY OF LEIDEN, Leiden, The Netherlands)
Dr Liesbeth DE LANGE (UNIVERSITY OF LEIDEN, Leiden, The Netherlands)

17:00 Day End

18:00 Dinner

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Wednesday April 26, 2017

07:30 **Breakfast**

08:30 **The Use of Kinetic Data in Early Drug Discovery: HSP90 as a Model to Gain Mechanistic Insight into Drug Binding Kinetics**

Dr Matthias FRECH
(MERCK, Darmstadt, Germany)

10:00 **Coffee Break**

10:30 **The Use of Kinetic Data in Early Drug Discovery: HSP90 as a Model to Gain Mechanistic Insight into Drug Binding Kinetics - Part II**

Dr Matthias FRECH
(MERCK, Darmstadt, Germany)

12:00 **Wrap-up and Lunch**