

# 13th EFMC Short Course on Medicinal Chemistry

## Programme

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### Sunday April 23, 2017

17:00 Registration

18:00 Dinner

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## Programme

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### 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**