

# 13th EFMC Short Course on Medicinal Chemistry

## Programme

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**Sunday April 23, 2017**

Registration

Dinner

# 13th EFMC Short Course on Medicinal Chemistry

## Programme

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**Monday April 24, 2017**

**Breakfast**

**Introduction**

**Mathematics of binding kinetics**

Prof. Georges VAUQUELIN  
(VUB, Brussel, Belgium)

**Coffee Break**

**Mathematics of binding kinetics - Part II**

Prof. Georges VAUQUELIN  
(VUB, Brussel, Belgium)

**Lunch**

**Characterizing the Dynamics of Molecular Interactions**

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

**Coffee Break**

**Characterizing the Dynamics of Molecular Interactions - Part II**

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

**Day End**

**Dinner and walking tour through Leiden**

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**Tuesday April 25, 2017**

**Breakfast**

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

Prof. Laura HEITMAN  
(UNIVERSITY OF LEIDEN, Leiden, The Netherlands)

**Coffee Break**

**Kinetics in Drug Discovery - A Case for G Protein-coupled Receptors**

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

**Lunch**

**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)

**Coffee Break**

**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)

**Day End**

**Dinner**

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**Wednesday April 26, 2017**

**Breakfast**

**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)

**Coffee Break**

**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)

**Wrap-up and Lunch**