

# 9th EFMC Short Course on Medicinal Chemistry

## Programme

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**Sunday October 26, 2014**

**18:00     Dinner**

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## Programme

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### Monday October 27, 2014

**Breakfast (as of 07:30)**

**08:30 Introduction**

Prof. Gyorgy KESERU  
(HUNGARIAN ACADEMY OF SCIENCES, Budapest, Hungary)

**09:00 Basic Interactions Types (Ionic, Salt Bridges, H-bonds, etc.)**

Prof. Frank BÖCKLER  
(EBERHARD-KARLS UNIVERSITY TUEBINGEN, Tübingen, Germany)

**10:30 Coffee Break**

**11:00 Non-classical Interactions (Halogen Bonds, Non-classical H Bonds, etc.)**

Prof. Frank BÖCKLER  
(EBERHARD-KARLS UNIVERSITY TUEBINGEN, Tübingen, Germany)

**12:30 Lunch**

**13:30 Interactions with Proteins Including Interactions within the Bonding Cavity (Small Molecule, Cofactors, Water, Residues)**

Dr Mike HANN  
(GLAXOSMITHKLINE, Stevenage, United Kingdom)

**15:30 Coffee Break**

**16:00 Interactions Between Biological Molecules (Protein-protein, Protein-DNA, etc.)**

Dr Mike HANN  
(GLAXOSMITHKLINE, Stevenage, United Kingdom)

**17:30 Close**

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

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**Tuesday October 28, 2014**

**Breakfast (as of 07:30)**

**08:30 Tutorial and Exercise 1**

Dr Jas BHACHOO  
(SCHRÖDINGER EUROPE, Camberley, Surrey, United Kingdom)

**11:00 Coffee Break**

**11:30 The Thermodynamics of Interaction**

Prof. Gyorgy KESERU  
(HUNGARIAN ACADEMY OF SCIENCES, Budapest, Hungary)

**12:30 Lunch**

**13:30 Interactions in the Solid State and with Solvents**

Prof. Andrew G. LEACH  
(JOHN MOORES UNIVERSITY, Liverpool, United Kingdom)

**15:30 Coffee Break**

**16:00 Experimental and Theoretical Assessment of Molecular Interactions**

Prof. Andrew G. LEACH  
(JOHN MOORES UNIVERSITY, Liverpool, United Kingdom)

**17:30 Close**

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### Wednesday October 29, 2014

**Breakfast (as of 07:30)**

**08:30 Kinetics of Association and Dissociation**  
Prof. Helena DANIELSON  
(UPPSALA UNIVERSITY, Uppsala, Sweden)

**10:00 Coffee Break**

**10:30 Tutorial and Exercise 2**  
Dr Jas BHACHOO  
(SCHRÖDINGER EUROPE, Camberley, Surrey, United Kingdom)

**12:30 Wrap up and Lunch**