



FEBS Advanced Course

Ligand-Binding Theory and Practice

July 3–10, 2016

Academy and University Center Nove Hradý, CR



Organizers:

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Invited speakers and tutors:

Andrea Bellelli, Rome, Italy

Teresa Carlomagno, Heidelberg, Germany

Daniel Charlier, Bruxelles, Belgium

David Dryden, Edinburgh, UK

Andrzej Gorecki, Kraków, Poland

Rita Grandori, Milan, Italy

Preston Hensley, Groton, CT, USA

Petr Lukavsky, Brno, Czech Republic

Ruth Nussinov, Tel Aviv, Israel

Bruce Turnbull, Leeds, UK

Ondrej Vanek, Prague, Czech Republic

David Witte, Munich, Germany



<http://nh.cas.cz/febslbtp2016>

This course provides training in the theoretical and practical principles of ligand binding. It offers participants the possibility to analyse their own macromolecular interaction systems using contemporary advanced methods including surface plasmon resonance, isothermal titration calorimetry, UV-vis and fluorescence spectroscopies, and microscale thermophoresis. The design, execution, and interpretation of these experiments will be guided by expert tutors. Additional lecturers will discuss other contemporary methods used in experimental studies of ligand binding, and current views on the phenomenon of allostery.

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