PERSPECTIVES OF NMR IN DRUG DISCOVERY

A joint workshop of
(I3) EU-NMR and (CA) NMR-LIFE

Florence, April 10-12, 2007

Organizing Committee

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A symposium on "Perspectives of NMR in drug discovery" will be held in Florence, Italy, from Tuesday, April 10th to Thursday, April 12th, 2007. The symposium is organized within the frame of the European projects EUNMR - An Integrated Infrastructure Initiative, and NMR-Life, a Coordination Action in the FP6 Health program. The aim of the meeting is to critically review the future of NMR spectroscopy in drug discovery. The program consists of a number of invited lectures, and a round table discussion from which a document on the perspectives in the field should emerge.

Speakers who already accepted the invitation:

David Cowburn - New York Structural Biology Center (New York, USA)

Structural Biology & Rational Therapeutics: New NMR applications

Claudio Dalvit - Nerviano Medical Sciences (Milan - Italy)

19F NMR Spectroscopy for sensitive and reliable fragment-based screening

Ernest Giralt - IRB Barcelona/UB (Barcelona, Spain)

NMR in protein-surface recognition

Wolfgang Jahnke - Novartis Institutes for BioMedical Research (Basel, Switzerland)

NMR studies of ABL kinase-inhibitor complexes

Thomas L. James - School of Pharmacy, University of California (San Francisco, CA, USA)

Targeting specific RNA sites with small molecules computationally and experimentally

Steve W. Homans - Institute of Molecular and Cellular Biology, University of Leeds (Leeds, UK)

Dynamics and thermodynamics of ligand-protein interactions - perspectives for drug discovery

Bernd Meyer - Institute for Organic Chemistry University of Hamburg (Hamburg - Germany)

Fragment based screening by STD NMR - from soluble targets to GPCRs

Horst Kessler - Department of Chemistry, Technische Universität (Munich, Germany)

New conformational aspects of N-methylated cyclic peptides (drugs and more)

Hartmut Oschkinat - Forschungsinstitut für Molekulare Pharmakologie (Berlin, Germany)

Inhibition of PDZ-mediated protein-protein interactions by small molecular weight compounds

Maurizio Pellecchia - The Burnham Institute (La Jolla, CA, USA)

NMR- and fragment-based approaches to inhibitor design and optimization

Jeffrey W. Peng - University of Notre Dame (Notre Dame, IN, USA)

Enriching drug discovery via NMR studies of protein motion

Harald Schwalbe - Center for Biomolecular Magnetic Resonance (Frankfurt, Germany)

NMR studies of protein-ligand interactions: kinases, phosphatases and G-protein coupled receptors

Gregg Siegal - Institute of Chemistry, Leiden University (Leiden, The Netherlands)

Target Immobilized NMR Screening: New Opportunities for Fragment Based Drug Discovery