

**GORDON RESEARCH CONFERENCE ON COMPUTATIONAL ASPECTS OF
BIOMOLECULAR NMR.**

Aussois, France, 24th-29th September 2006.

Chair : Dr. Martin Blackledge, Institut de Biologie Structurale, Grenoble, France

Vice-chair : Professor Rafael Brüschweiler, NHFML, Florida, USA

Session titles and currently accepted speakers (17/01/2006)

Perspectives on NMR in Structural Biology

Discussion leader, To be arranged

- Prof. James Prestegard, CCRC, Athens, Georgia, USA
- Prof. Guy Montelione, Rutgers, New Jersey, USA
- Prof. Hartmut Oschkinat, FMP, Berlin, Germany

Chemical shifts as probes of biomolecular structure and dynamics

Discussion leader, To be arranged

- Prof. David Case, Scripps Clinic, La Jolla, California, USA

Probing domain dynamics in biomolecules using NMR

Discussion leader, Prof. Brüschweiler, FSU, Florida, USA

- Prof. Nico Tjandra, National Institutes of Health, Bethesda, Maryland, USA
- Prof. Claudio Luchinat, CERM, Florence, Italy
- Prof. David Fushman, University of Maryland, USA

Emerging methods for biomolecular structure determination

Discussion leader, Dr. Nilges, Institut Pasteur, Paris

- Prof. Miguel Llinas, Carnegie Mellon University, Pittsburgh, Pennsylvania, USA
- Dr. Markus Zweckstetter, Max Planck Institute, Göttingen, Germany.
- Dr. Michele Vendruscolo, University of Cambridge, UK.
- Dr. G. Marius Clore, National Institutes of Health, Bethesda, Maryland, USA

New directions in spectral acquisition and processing

Discussion leader : Dr. Brutscher, CEA, Grenoble, France

- Dr. Eriks Kupce, Varian S.A.
- Dr. Dominique Marion, CNRS, Institut de Biologie Structurale, Grenoble, France

Complementary biophysical approaches : small angle scattering and molecular docking

- Prof. Dmitri Svergun, EMBL, Hamburg, Germany
- Prof. Alexandre Bonvin, Bijvoet Centre, Utrecht, Netherlands.

Kinetics, Interactions and Dynamics of Complex systems

Discussion leader : To be arranged

- Prof. Kathleen Hall, Washington University, St. Louis, Missouri, USA
- Prof. Carol B. Post, Purdue University, Indiana, USA
- Prof. Lewis Kay, University of Toronto, Toronto, Canada.

Partially folded and unfolded proteins

Discussion leader : Professor Harald Schwalbe, University of Frankfurt, Germany

- Prof. Peter Wright, Scripps Clinic, La Jolla, California, USA
- Prof. Tobin Sosnick, Institute for Biophysical Dynamics, University of Chicago, USA
- Prof. Stephan Grzesiek, Biozentrum, Basel, Switzerland.
- Prof. Sir. Alan Fersht, University of Cambridge, UK.

Structure and dynamics of proteins in the solid state

Discussion leader : Dr. Anja Böckmann, IBCP, Lyon, France

- Prof. Lyndon Emsley, ENS-Chimie, Lyon, France

- Dr. Rob Tycko, National Institutes of Health, Bethesda, Maryland, USA
- Prof. Ann McDermott, University of Columbia, New York, USA

From dynamics to function : Conformational modes in proteins.

Discussion leader : Dr. Martin Blackledge, IBS Grenoble, France

- Professor Dorothee Kern, Brandeis University, USA
- Professor Arthur Palmer, University of Columbia, New York , USA.
- Prof. Geoffrey Bodenhausen, Ecole Normale Supérieure, Paris, France
- Prof. Christian Griesinger, Max Planck Institute, Göttingen, Germany.

Perspective in Biomolecular NMR : Alignment and anisotropy

- Dr. Ad Bax, National Institutes of Health, Bethesda, Maryland, USA
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