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Biological Physics at Large Facilities From Molecule to Cell

**19-22 October 2008
Grenoble, France**

TUESDAY 21 October

Chair : Judith Peters

09:00 **Pieter Glatzel**

Hard X-ray photon-in-photon-out spectroscopy with lifetime resolution

09:30 **Maikel Rheinstädter**

The impact of collective molecular dynamics on physiological and biological functionalities of artificial and biological membranes

10:00 **Virgile Adam**

Coupling of X-ray crystallography and spectroscopy in crystals to characterize a new photochromic fluorescent protein

10:30 COFFEE BREAK

11:00 **Thomas Hauß**

Observation of transient modulations in protein dynamics during the photocycle of bacteriorhodopsin

11:30 **Wolfgang Häußler**

Q-dependence of diffusive dynamics in solutions of globular proteins studied by neutron spin echo

11:50 **Michael Monkenbusch**

Neutron spin-echo investigation of interdomain dynamics in yeast alcohol dehydrogenase

12:10 ROUND TABLE

12:30 LUNCH

Chair: Joe Zaccai

14:00 **Alessandro Paciaroni**

Dynamics of protein hydration water in the picosecond timescale from low to room temperature. Analogies and differences with bulk water and ice

14:20 **Andreas Stadler**

Partial unfolding of hemoglobin at body temperature studied by quasielastic neutron scattering study

14:40 **Daniela Russo**

Dynamics of lysozyme under pressure. An incoherent elastic and quasi-elastic neutron scattering study

15:00 **Jian Lu**

Protein adsorption as studied by neutron reflection

15:30 COFFEE BREAK

16:00 Poster Session

20:00 BANQUET at "Fantin Latour Restaurant"