

Spectroscopy on Biological Molecules

A Workshop of the German-French PhD College
“Membranes and Membrane Proteins” UFA 0407
And the trinational GRK 1478

26.11.2010

9:30 BIENVENUE, Café

I. ULTRAFAST OPTICAL SPECTROSCOPIES

10:00-10:50 Marten VOS,

Laboratoire d'Optique et Biosciences, Ecole
Polytechnique, Palaiseau, France

**Femtosecond optical spectroscopy of ultrafast
processes in proteins**

II. EPR AND NMR SPECTROSCOPIES

10:50-11 :15 Evgeniy SALNIKOV

Laboratoire de biophysique de membranes et RMN,
Institut de Chimie, Université de Strasbourg, France

**Investigations of membrane polypeptide
topologies as a function of hydrophobic mismatch
by oriented solid-state NMR spectroscopy**

11:15 – 12:05 Stefan WEBER

Institut für Physikalische Chemie, Albert-Ludwigs-Universität Freiburg, Germany

Electron paramagnetic resonance studies of blue-light active proteins

12:30-14:15 LUNCH

III. ADVANCED OPTICAL TECHNIQUES

14:15- 15:05 Peter HAMM

Physikalisch Chemisches Institut, Universität Zürich, Switzerland

2D-IR Spectroscopy of Peptides and Proteins

15:05-15:30 Yashvin NEEHAUL

Institut de Chimie UMR 7177, Labo de Spectroscopie Vibrationnelle et Electrochimie des Biomolécules, Université de Strasbourg, France

Na⁺-pumping NADH:quinone oxidoreductase studied by FT-IR spectroscopy and mutagenesis

15:30 – 16:00 PAUSE, Café

16:00-16:25 Heiko ERHARDT

Institut für Organische Chemie und Biochemie, Albert-Ludwigs-Universität Freiburg, Germany

A novel mechanism for the biogenesis of Fe/S clusters?

16:25-16:50 Gregorz Pawlik

Institute for Biochemistry and Molecular Biology, Faculty of Medicine, University of Freiburg, Germany

Dissecting the assembly line for cytochrome cbb3 oxidases

17:00: Get together and farewell party, Salle mauve, Tour de chimie)

