

Spectroscopic studies of fast and ultrafast events in photobiology

Chair: M.M. Martin (Paris, FRA)

Invited Lectures:

Ultrafast electron transfer in photosynthetic reaction centres: on the way to a molecular understanding of photosynthetic electron transfer

W. Zinth (München, GER)

Ultrafast dynamics in the Green Fluorescent Protein (GFP) and the GFP chromophore

D. Stoner-Ma¹, A.A. Jaye², P. Tonge¹, S.R. Meech² (¹Stony Brook NY, USA; ²Norwich, GBR)

Ultrafast photo-isomerization of protonated retinal Schiff bases in different environments

S. Schenkl¹, G. Zgrablic¹, F. van Mourik¹, S. Haacke^{1,2}, M. Chergui¹ (¹Lausanne, SUI; ²Strasbourg, FRA)

Fast molecular processes in *Blepharisma japonicum*'s light perception

M. Mahet¹, P. Plaza¹, M.M. Martin¹, G. Checcucci², F. Lenci² (¹Paris, FRA; ²Pisa, ITA)

Oral Presentations:

Electronic structure, spectroscopy, ultrafast dynamics and aerobic reactivity of trichochromes: natural components of pheomelanins

J.D. Simon (Durham NC, USA)

Ultrafast events in the Photoactive Yellow Protein chromophore : protein vs solution environment

A. Espagne¹, P. Changenet-Barret¹, P. Plaza¹, K.J. Hellingwerf², M.M. Martin¹ (¹Paris, FRA; ²Amsterdam, NED)

Structural characterisation of the fucoxanthin chlorophyll-a/c protein complexes using Resonance Raman spectroscopy: the effect on light harvesting and energy transfer dynamics

L. Premvardhan¹, L. Bordes¹, H. Fey², C. Buchel², B. Robert¹ (¹Gif-sur-Yvette, FRE; ²Frankfurt, GER)

Observation of sub-100 ps conformational changes in photolyzed carbonmonoxy-myoglobin probed by time-resolved circular dichroism

T. Dartigalongue, F. Hache (Palaiseau, FRA)