

One day symposium on

# ***Ultrafast vibrational dynamics of biomolecules***

Thurs 29 April 2010 Imperial College London

Venue: Clore Lecture Theatre, Huxley building, South Kensington Campus

NO REGISTRATION REQUIRED / Contact: Jasper J. van Thor; [j.vanthor@imperial.ac.uk](mailto:j.vanthor@imperial.ac.uk)

10:00 Arrival

10:30 Welcome – Paul Freemont and Jasper van Thor



10:40 Mike Robb (Imperial College London)

Theoretical Study of Photostability and  
Photoisomerization in Biological Systems



11:30 J. Timothy Sage (Northeastern University Boston)

Site-Selective Vibrational Spectroscopy of Proteins,  
from Infrared to X-ray

12:20 LUNCH



13:00 Peter Rich (University College London)

Application of vibrational IR spectroscopy  
to protein structures and mechanisms



13:50 Steve Meech (University of East Anglia)

Ultrafast Optical Kerr Effect studies of water  
solvation - ions and peptides



14:40 COFFEE

15:10 Jennifer Herek (Twente University)

Coherent Control of Energy transfer in Natural and  
Artificial Photosynthesis



16:00 Peter Hamm (University of Zurich)

2D-IR Spectroscopy of Peptides and Proteins

16:50 Opening of ultrafast laboratory – Peter Knight  
Followed by DRINKS