

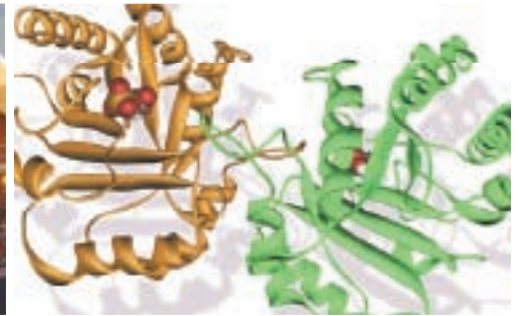


4GLS – the UK's 4th Generation Light Source

## Future Prospects for Macromolecular Dynamics on 4th Generation Light Sources

Park Royal Hotel, Stretton, Cheshire (United Kingdom)

**26<sup>th</sup> and 27<sup>th</sup> January 2007**



### Invited speakers:

**Sanford Asher (University of Pittsburgh, USA)**  
**Francois Haché (École Polytechnique, France)**  
**Peter Hamm (Universität Zürich, Switzerland)**  
**Kevin Kubarych (University of Michigan, USA)**

**Martin Volk (University of Liverpool, UK)**  
**Jon Waltho (University of Sheffield, UK)**  
**Luuk van Wilderen (Vrije Universiteit  
Amsterdam, The Netherlands)**

The 4th Generation Light Source (4GLS) will provide extremely bright sources of radiation covering the spectrum from soft X-ray to terahertz. 4GLS will use devices such as free electron lasers to provide laser radiation in regions of the spectrum not accessible to conventional lasers. It will provide very short pulses of radiation at high repetition rates and will allow the combination of sources for pump-probe type experiments.

One of the major applications of 4GLS will be the study of very fast dynamics in macromolecules; the aim of the meeting is to bring together the potential user community to hear presentations from world leaders in this area of science. There will be a series of presentations and also discussion sessions to allow the exchange of ideas and develop proposals for future experiments. The meeting will cover a range of spectroscopic techniques for investigating the dynamics of macromolecules in the sub-picosecond to microsecond time domain, including polarization methods (CD, TRORD), resonance raman, infrared, optical absorption, and 2D spectroscopy methods.

There will be a registration fee of £50 per delegate, which includes one night's accommodation at the Park Royal Hotel, refreshments, and meals.

**Registration and further information is available at**  
[http://www.srs.ac.uk/meetings/4GLS\\_dynamics/](http://www.srs.ac.uk/meetings/4GLS_dynamics/)

