

Workshop: Dynamics of biological systems

14.10.2002, Max Born Institute (MBI), Berlin-Adlershof,

Max-Born-Saal
Max-Born-Straße 2A
12489 Berlin Germany

Programme

+++++

9.00-9.05: Prof. Dr. Ingolf Hertel, managing director of the MBI

Wellcome

9.05-9.40: Prof. Dr. Wolfgang Domcke, Physical Chemistry, TU- München

Ab initio exploration of ultrafast photochemical reaction mechanisms in aromatic biomolecules

9.45-10.00: Helmut Lippert, MBI

Analysis of the photoinduced hydrogen atom transfer in indole(NH₃)_n clusters

10.05-10.40: Dr. Rolf Diller, Physik, FU-Berlin

Photoinduced Isomerization Dynamics in Biological Molecules, Probed by Ultrafast Infrared Spectroscopy

10.45-11.00: Dr. Carsten Heyne/Dr. Erik T.J.Nibbering, MBI

Structural dynamics of chromophore interactions studied with ultrafast mid-infrared spectroscopy

+++++ **Coffee Break** +++++

11.15 - 11.50: PD. Dr. Ulrike Alexiev, Physik, FU Berlin

Dynamics and conformational changes of loop domains of transmembrane proteins

11.55 -12.10: NN /Dr. Leupold MBI

title and speaker to be announced

+++++ **Lunch** +++++

13.30-14.05: Prof. Dr. Helmut Kettenmann, MDC for Molecular Medicine, Berlin

Imaging glial cell activity in live brain slices

14.10-14.55: Dr. Dominique Bourgeois, ESRF, Grenoble

Conformational dynamics of myoglobin observed by time-resolved ns Laue crystallography

+++++ **Coffee** +++++

15.15 - open end

Opportunities for informal discussion and laboratory visits at the MBI

For updates and abstracts of talks see

[http://www.mbi-](http://www.mbi-berlin.de/de/aktuelles/veranstaltungen/konferenzen/bioworkshop01.html)

[berlin.de/de/aktuelles/veranstaltungen/konferenzen/bioworkshop01.html](http://www.mbi-berlin.de/de/aktuelles/veranstaltungen/konferenzen/bioworkshop01.html)

