

International Symposium

Optical Analysis of Biomolecular Machines

July 13th - 16th, 2006

Max Delbrück Center for Molecular Medicine, Berlin, Germany

Symposium Outline

The aim of this international symposium to be held in the context of the DFG Priority Programme "Optical Analysis of Supramolecular Biological Complexes" (DFG SPP1128; coordinator C.Cremer/Heidelberg) is to discuss the novel developments and applications of optical analyses of biological nanostructures, their components and their underlying dynamics. The emphasis will be in joining together the methodological developments with the biological applications within each and every session; wherever possible, computer simulations and kinetic modeling will be included.

Topics of sessions / workshops:

Microscopic imaging at the one nanometer scale

Light microscopy from the nanometer to the micrometer scale

Light microscopy from the micrometer to the millimeter scale

Dynamic analysis in vivo by light microscopy

Correlation of Light Microscopy and Kinetic Modeling

Molecular Labelling

Novel Perspectives in Microscopy

Confirmed speakers:

D. Bazett-Jones, Toronto

M. Carmo-Fonseca, Lisbon

J. Dobrucki, Krakow

S. Fraser, Pasadena

S. Gorski, Bethesda

R. Heinrich, Berlin

R. Heintzmann, London

S. Hell, Göttingen

R. Kornberg, Stanford

K. Lukyanov, Moscow

E. Manders, Amsterdam

T. Pederson, Worcester

R. Pepperkok, Heidelberg

J. – B. Sibarita, Paris

R. Singer, New York

E. Stelzer, Heidelberg

J. Swedlow, Dundee

A. Ting, Cambridge

Organizers:

M. Cristina Cardoso (Berlin) and Christoph Cremer (Heidelberg)

The symposium will be held in Berlin-Buch on the Campus of the Max-Delbrück-Center for Molecular Medicine

Online registration and information at
www.spp1128.uni-hd.de/symposium2006

Abstract deadline, April 30, 2006

