

PROGRAM

Symposium
in memoriam Jörg Langowski:

„His lasting
contributions
to science“

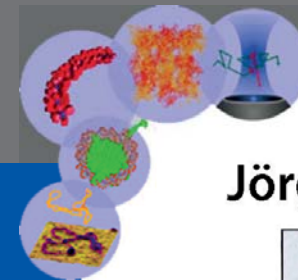
Memorial Issue of Biophysical Journal

Call for Articles

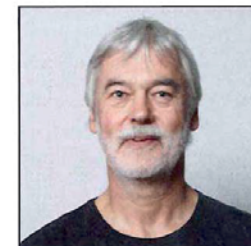
A memorial issue of Biophysical Journal is being planned, with a December 1, 2017, article submission deadline.

BJ welcomes contributions that honor Jörg's dedication to biophysics and frontier research to the subject dear to him - dynamics of DNA complexes and chromatin systems - by innovative experimental and modeling approaches.

Contact: Tamar Schlick (schlick@nyu.edu)



Jörg Langowski



* 14. August 1955

† 6. May 2017

12th October 2017 – 2 pm

German Cancer Research Center (DKFZ)
Communication Center, Grand Lecture Hall

**Symposium *in memoriam* Jörg Langowski
"His lasting contributions to science"**

**Tuesday, 12th October 2017
German Cancer Research Center – Communication Center**

Welcome Words (Werner W. Franke)

- 14:00 Katalin Toth & Norbert Mücke, DKFZ Heidelberg
Jörg's adventures in the biophysics of macromolecules
- 14:20 Giberto Chirico, University of Milano-Bicocca
Jiggling and twisting as a DNA helix
- 14:40 Oleg Krichevski, Ben-Gurion University, Beer-Sheva
*Structure of superhelical DNA by super-resolution scanning
fluorescence correlation spectroscopy*
- 15:00 Claus Seidel, University of Düsseldorf
*Revealing multiscale exchange dynamics in nucleosomes and
chromatin fibers on the microsecond to minute time scale*
- 15:20 Jeremy Smith, University of Tennessee and Oak Ridge Laboratory
Calculations with Joerg: various views of nucleosomes
- 15:40 Hermann Bujard, ZMBH Heidelberg
*The power of hydrodynamics: Probing the invasion initiating protein
surface complex of Malaria parasite P.falciparum in solution*
- 16:00 Karsten Rippe, Bioquant Heidelberg
*"Lighting the chaos, ordering the dark" – fluorescence microscopy
in living cells to link chromatin organization and gene expression*
- 16:20 Coffee Break**

Invitation to visit the Langowski labs in TP3

**We would be happy to present Jörg's laboratories to you on
Thursday (12. Oct., ca. 10-12 am) or Friday (13. Oct., from 10 am on)**

- 16:50 Malte Wachsmuth, EMBL Heidelberg and Luxendo-Bruker
Measuring molecular mobilities
- 17:10 Thorsten Wohland, NUS Centre for Bio-Imaging Sciences, Singapore
*Fluorescence auto- and cross-correlation spectroscopy using array
detectors*
- 17:30 György Vámosi, University of Debrecen
Protein-protein interactions in the cell membrane and the nucleus
- 17:50 Gero Wedemann, University of Applied Sciences, Stralsund
*From DNA to chromatin. Understanding regulation of the spatial
structure with computer simulations*
- 18:10 Justin O'Sullivan, University of Auckland
A fleeting moment in the description of nuclear organization
- 18:30 Ada Olins, University of New England, Portland
Epichromatin: Nucleosomes at the nuclear surface
- 18:40 Don Olins, University of New England, Portland
Chromomeres: 135 Years Later
- 18:50 Closing Remarks
- 19:00 End / informal get-together in the Foyer