



Scientific Program

The detailed Scientific Program will be available in the second announcement. Further information and updates will be made available at the website www.biosupramol.de.

Organizers

PD Dr. Christoph Böttcher

Freie Universität Berlin
Institute of Chemistry and Biochemistry
Research Center of Electron Microscopy
Fabeckstr. 36 a
14195 Berlin, Germany
Phone ++49 30 838-54934
Email christoph.boettcher@fzem.fu-berlin.de

Prof. Dr. Rainer Haag

Freie Universität Berlin
Institute of Chemistry and Biochemistry
Takustrasse 3
14195 Berlin, Germany
Phone ++49 30 838-52633
Email haag@zedat.fu-berlin.de

Venue

Zuse Institute Berlin
Main Lecture Hall
Takustr. 7
14195 Berlin, Germany

Local Organization

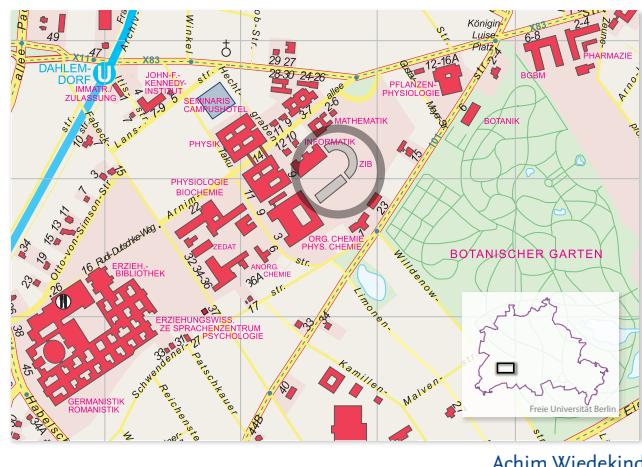
Katharina Tebel

Freie Universität Berlin
Institute of Chemistry and Biochemistry
Takustr. 3
14195 Berlin, Germany
Phone ++49 30 838-53547
Email k.tebel@fu-berlin.de

Dr. Hans v. Berlepsch

Freie Universität Berlin
Institut of Chemistry und Biochemistry
Research Center of Electron Microscopy
Fabeckstr. 36a
14195 Berlin, Germany
Phone ++49-30-838-53982
Email h.v.berlepsch@fzem.fu-berlin.de

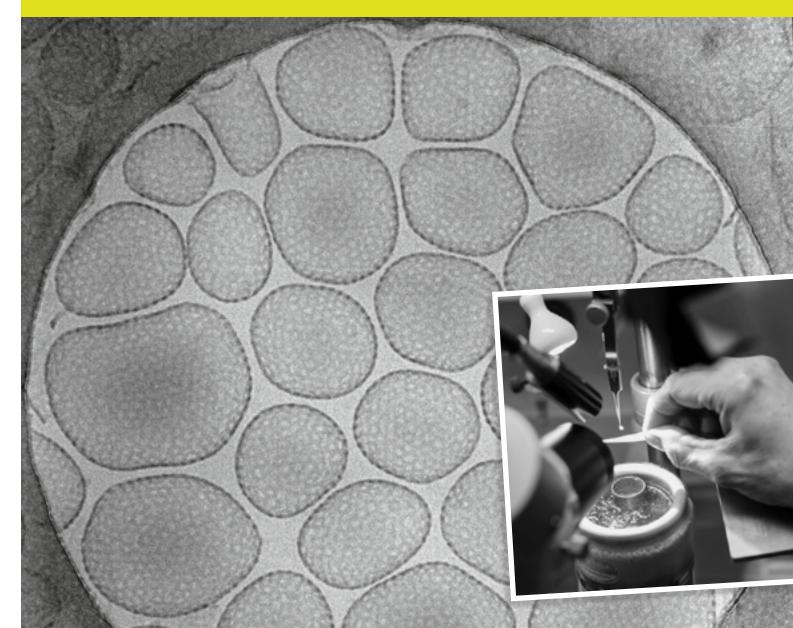
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Core Facility BioSupraMol Research Center of Electron Microscopy (FZEM)

Cryogenic Transmission
Electron Microscopy of Biological and
Synthetic Supramolecular Architectures

Mini-Symposium | June 02, 2017



Mini-Symposium 2017

Cryogenic Transmission Electron Microscopy

Core Facility BioSupraMol and Research Center of Electron Microscopy (Freie Universität Berlin) cordially invite you to our Talos Arctica inauguration Mini-Symposium on topics of Cryogenic Transmission Electron Microscopy, which will take place on June 02, 2017.

For the understanding of complex molecular systems in chemistry, biology and pharmacy, the analysis of the structure of new supramolecular and biomacromolecular architectures is of great importance. The Core Facility BioSupraMol, which was established a few years ago by the Freie Universität Berlin with grant support from the German Science Foundation (DFG), provides a powerful center focused on high-resolution analytical techniques including electron microscopy.

The launch of a new state-of-the-art cryo-transmission electron microscope with automated data acquisition and novel electron detector technology is a good reason to review the rapid developments over the past few years in the field of cryogenic transmission electron microscopy.

Proven experts will present an overview of the developments of the technique from the very beginnings to the present day. The speakers will cover the characterization of biological and synthetic supramolecular assemblies by the use of state-of-the-art image analysis and 3D reconstruction techniques up to near atomic resolution.



New FEI Talos Arctica at the Research Center of Electron Microscopy at the Freie Universität Berlin

**June 02, 2017
9:00 am - 2:00 pm
Zuse Institute Berlin
Takustr. 7, 14195 Berlin, Germany**

**Freie Universität Berlin
Berlin-Dahlem, Germany**

**Registration deadline: April 30, 2017
www.biosupramol.de**

The symposium is free of charge and will be supported by the DFG.

Speakers

- **Yeshayahu Talmon**
Technion - Israel Institute of Technology
Keynote Lecture - Cryo-TEM
- development and perspectives
- **Nico Sommerdijk**
Eindhoven University of Technology
Chemical supramolecular assemblies
- **Christian Spahn**
Charité – Universitätsmedizin Berlin
High resolution structural biology
- **Marin van Heel**
Leiden University
Image processing and 3D reconstruction strategies
- **Egbert Boekema**
University of Groningen
Supercomplexes of Photosystem I
- **Carsten Sachse**
EMBL Heidelberg
Helical structure reconstruction of amyloids
- **Christoph Böttcher**
Freie Universität Berlin
Amphiphilic assemblies

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**Core Facility
BioSupraMol**

