

Session Program

17-19 Sept 2018



German Conference for Research with Synchrotron Radiation, Neutrons and Ion Beams at Large Facilities

Micro symposium 2

Fakultät für Maschinenwesen der Technischen Universität München
Boltzmannstraße 15 85748 Garching b. München

Monday 17 September

11:00

Micro symposium 2: Structural biology: Instrumentation and methods, current trends and topics

Session | **Location:** Fakultät für Maschinenwesen, MW 0350

11:00-11:15 **Facilities for Structural Biology at the ESRF: present and future.**

Speaker

Christoph MUELLER-DIECKMANN

11:15-11:30 **Investigations on Structure and Dynamics of Proteins by SAXS**

Speaker

Manfred Rößle

11:30-11:45

P11 at PETRA III: A Versatile Beamline for Serial and High-Throughput Crystallography

Speaker

Dr Sebastian Guenther

11:45-12:00 **EMBL beamlines for macromolecular crystallography at PETRA III**

Speaker

Dr Thomas Schneider

12:00-12:15 **Facilities for Macromolecular Crystallography at the HZB**

Speaker

Dr Martin Gerlach

12:15-12:30 **Discussions**

12:30

14:30

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14:30-14:55

From Fragments to Drug Leads: Combing Crystallography with Docking and Design

Speaker

Prof. Gerhard Klebe

14:55-15:11 **In-situ macro-seeding apparatus for protein crystal growth**

Speaker

Marialucia Longo

15:11-15:27

Rapid mixing microfluidics for time-resolved serial synchrotron crystallography

Speaker

Diana Monteiro

15:27-15:43 **AUSPEX: a diagnostic tool for graphical X-ray data analysis**

Speaker

Andrea Thorn

15:43-15:58

Hitting proteins with a sledgehammer - structural characterization with X-rays

Speaker

Charlotte Uetrecht

16:00