



Organizing Committee

Rainer Haag | Freie Universität Berlin
Joachim Heberle | Freie Universität Berlin
Andreas Herrmann | Humboldt-Universität Berlin
Marie Weinhart | Freie Universität Berlin

Prof. Dr. Rainer Haag (Symposium Chair)

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

Venue

Zuse-Institute Berlin
Takustr. 7, 14195 Berlin, Germany

Deadline

Deadline for submission of poster abstracts
and flash presentations: **August 31, 2016.**

Accommodation

Seminaris CampusHotel
Science & Conference Center
Takustr. 39, 14195 Berlin, Germany
Phone ++49 30 557797-0
Email berlin@seminaris.de

<http://www.seminaris.de/berlin>

Seminaris CampusHotel Berlin (www.seminaris.de/berlin)



Local Organization

Dr. Wiebke Fischer (SFB765)

Freie Universität Berlin
Institute of Chemistry and Biochemistry
Takustr. 3, 14195 Berlin, Germany
Phone ++49 30 838-72681
Email wiebke.fischer@fu-berlin.de

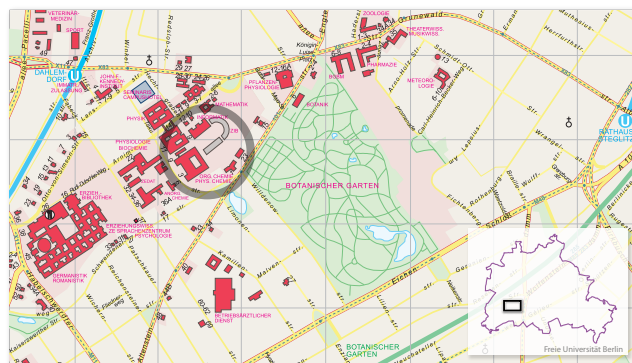
Dipl.-Chem. Achim Wiedekind (NanoScale)

Freie Universität Berlin
Institute of Chemistry and Biochemistry
Takustr. 3, 14195 Berlin, Germany
Phone ++49 30 838-55462
Email achim.wiedekind@fu-berlin.de

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

Registration and Poster Submission:
www.nanoscale.fu-berlin.de/news/FUBIO2016
www.sfb765.de

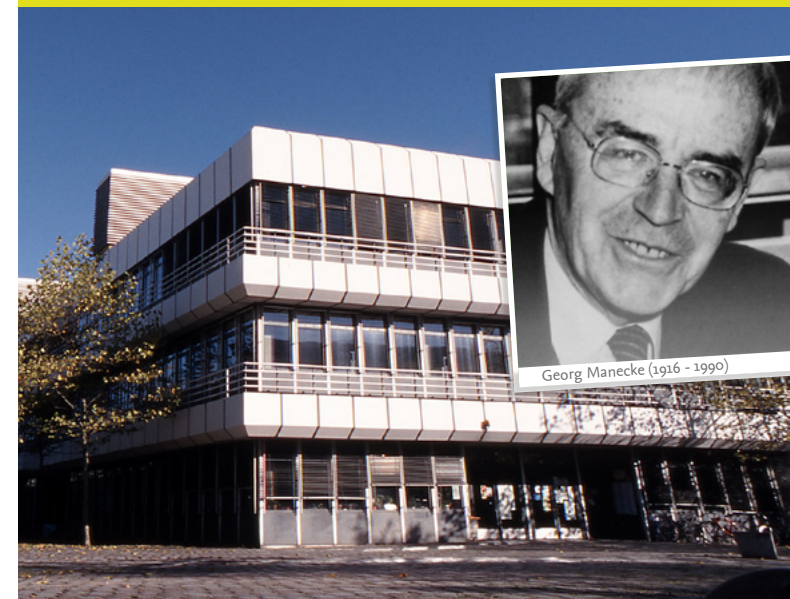


Flyer: Achim Wiedekind (NanoScale, FUB)

100th Anniversary of Georg Manecke

International Symposium Functional Biointerfaces

PROGRAM | October 4-5, 2016



Georg Manecke (1916 - 1990)

International Symposium 2016

“Functional Biointerfaces”

On behalf of the organizing committee, I cordially welcome you at our international symposium on “Functional Biointerfaces” which takes place October 4-5, 2016, at the Freie Universität Berlin, Germany.

One highlight of the international symposium will be the award ceremony for the Georg-Manecke-Award 2016, awarded by the GDCh for young researchers, honoring the 100th birthday of Georg Manecke (1916-1990) at his work place, the Freie Universität Berlin (1964-1984).

The international symposium is organized by our interdisciplinary Focus Area Nanoscale Functional Materials (NanoScale) and the Collaborative Research Center “Multivalency” (CRC 765) with a focus on functional biointerfaces and biointerface processes.

The symposium covers three major research aspects from chemical biology, including:

- Development of novel bioorthogonal strategies as well as the synthesis of multifunctional architectures and their spatial organisation.
- Investigation of artificial extracellular matrix and their interaction with biological objects, such as cells or pathogens.
- New methods for the physical and theoretical analysis and description of selected biointerface processes.

I am looking forward to intensive and interesting discussions and new insights in this highly interdisciplinary field.



Rainer Haag
(Symposium Chair)



Zuse-Institute Berlin, venue of the symposium 2016. (www.zib.de)

Program

TUESDAY, OCTOBER 04, 2016

- 8:30 REGISTRATION
- 9:00 OPENING
Rainer Haag | Focus Area NanoScale, Freie Universität Berlin
- 9:10 **New Detection Methods at Biointerfaces**
Frederik Höök | Chalmers University, Gothenburg, SE
- 9:55 **Multivalent Virus Inhibition with Functional Biointerfaces**
Andreas Herrmann | Humboldt-Universität Berlin
- 10:40 COFFEE BREAK
- 11:00 **Probing Biointerfaces by Functionalized Plasmonic Nanostructures**
Qiuming Yu | University of Washington, Seattle, USA
- 11:45 **Mechanotransduction by Engineered Extracellular Matrices**
Britta Trappmann | MPI für molekulare Biomedizin, Münster
- 12:05 6 SPEED LECTURES from selected posters
- 12:45 LUNCH BUFFET & POSTER PRESENTATION
- 14:15 **Cell Sheet Engineering and Thermo-responsive Surfaces**
Teruo Okano | Tokyo Women's Medical University, JP
- 15:00 **Functional Thermo-responsive Surfaces**
Jürgen Rühle | IMTEK, Albert-Ludwigs-Universität Freiburg
- 15:45 COFFEE BREAK & POSTER PRESENTATION
- 17:15 **From Polymeric Coatings to Cell Culture Applications**
Marie Weinhart | Freie Universität Berlin
- 18:00 **Artificial Extracellular Matrix**
Carsten Werner | Max-Bergmann Center, TU Dresden

WEDNESDAY, OCTOBER 05, 2016

- 8:30 **Zwitterionic Surfaces to Prevent Biofouling**
Shaoyi Jiang | University of Washington, Seattle, USA
- 9:15 **Blood and Pathogen Interactions of Biomaterials**
Jay Kitzhakkedathu | University of British Columbia, Vancouver, CA
- 10:00 COFFEE BREAK & POSTER PRESENTATION
- 10:30 **Photoresponsive Biosurfaces**
Aránzazu del Campo | Leibniz INM, Saarbrücken
- 11:30 **Simulation Approaches to Interacting Surface in Water**
Roland Netz | Freie Universität Berlin
- 12:15 LUNCH BUFFET (ZIB) & POSTER PRESENTATION
- 13:30 **Mucins as Lubricants on Artificial and Biological Surfaces**
Oliver Lieleg | TU München
- 13:50 **Bone Marrow-Mimicking Soft Hydrogels for Stem Cell Delivery**
Qiang Wei | MPI für intelligente Systeme, Stuttgart
- 14:10 4 SPEED LECTURES from selected posters
- 14:30 COFFEE BREAK & POSTER PRESENTATION

100th Anniversary of Georg Manecke (1916-1990) Award Ceremony for the Georg-Manecke-Preis 2016

Awarded by the German Chemical Society (GDCh)
for Young Researchers

- 15:00 Welcome by Prof. Katharina Landfester
Member of the Georg-Manecke-Preis Committee
- 15:05 Achievements and Footprints of Georg Manecke
Prof. Oskar Nuyken and Prof. Rainer Haag
- 15:25 Laudatio for the Awardee and Award Ceremony
- 15:35 Lecture of the Awardee
- 16:00 **Biomimetic Polymeric Materials**
Rolf Mülhaupt | Albert-Ludwigs-Universität Freiburg
- 16:45 POSTER PRIZES & CLOSING REMARKS
Prof. Rainer Haag | Freie Universität Berlin
- 17:00 END OF THE CONFERENCE

Institute of Chemistry and Biochemistry

Freie Universität Berlin