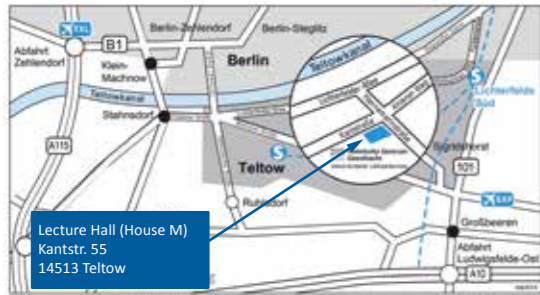


How to reach the lecture halls

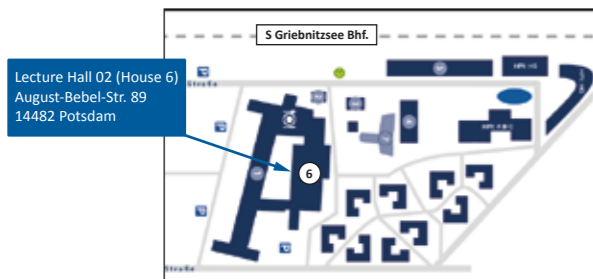
Institute of Biomaterial Science, Helmholtz-Zentrum Geesthacht
Lecture Hall 103, House M, Kantstr. 55, 14513 Teltow
via S-Bahn from Berlin: S25 (direction Teltow Stadt) to
Berlin-Lichterfelde Süd and 15 min walk
via bus from Potsdam: X1 (direction Teltow Bhf), transfer at
Warthestr./Teltow to bus 184 (direction S+U Tempelhof) to
Hannemannstr./Teltow and 5 min walk



Berlin-Brandenburg Center for Regenerative Therapies (BCRT),
Charité Campus Virchow-Klinikum (CVK)
Auditorium (room 0.0045), Föhrer Str. 15, 13353 Berlin
via bus 142, 221 or U9 to Amrummer Str. or S+U Westhafen and
10 min walk



University of Potsdam, Campus Griebnitzsee
Lecture Hall 02, House 6, August-Bebel-Str. 89, 14482 Potsdam
via S7, RB 21, RB 22 to S Griebnitzsee



SUMMER SCHOOL 2016
HELMHOLTZ GRADUATE SCHOOL
FOR MACROMOLECULAR BIOSCIENCE

Registration

Please register for the Summer School
until **2 September 2016** by email:

macrobio@hzg.de

For further information please visit our website:

www.hzg.de/macrobio

**Helmholtz
Graduate School**
Macromolecular Bioscience

Contact MacroBio Coordination Office

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**Helmholtz-Zentrum
Geesthacht**
Centre for Materials and Coastal Research



Summer School 2016 is held in
cooperation with the
BioInterfaces International
Graduate School of the
Karlsruhe Institute of Technology



SUMMER SCHOOL 2016
HELMHOLTZ GRADUATE SCHOOL
FOR MACROMOLECULAR BIOSCIENCE

HELMHOLTZ-ZENTRUM GEESTHACHT

Helmholtz Graduate School for Macromolecular Bioscience

Summer School
19 - 23 September 2016

*Biomaterial Interfaces –
Where Biology meets Chemistry*



Introduction

The Helmholtz Graduate School for Macromolecular Bioscience – a cooperation between the Institute of Biomaterial Science of the Helmholtz-Zentrum Geesthacht, Freie Universität Berlin and University of Potsdam - holds its first joint Summer School with the BioInterfaces International Graduate School of the Karlsruhe Institute of Technology.

With this year's focus on "Biomaterial Interfaces – Where Biology meets Chemistry", the Summer School 2016 is concentrated on the synthesis and processing of polymer-based biomaterials and the investigation of their performance within the biological system. The understanding of the complex processes at the interface between a polymer and the living system are crucial for improving the design of biomaterials for future medicine and biotechnology.

The Summer School program is designed to provide participants with a comprehensive insight into the Graduate Schools' interdisciplinary research fields. It is an important yearly forum, not only for PhD students, to meet with selected guest speakers and to discuss their own research in an expert setting. The five-day program of lectures, project presentations and scientific challenges will be held at three different scientific locations of the Berlin-Brandenburg region and is conducted in English. It includes a team event and the awarding of the best Summer School PhD presentation.

On Thursday, 22 September 2016, a special symposium on „Technology and Medicine“ is embedded in this year's Summer School program. The session features keynotes from internationally recognized scientists and provides a great opportunity to discuss future trends in Technology and Medicine.

Prof. Nan Ma
Spokesperson

Dr. Burkhard Schulz
Deputy Spokesperson

**Helmholtz
Graduate School**
Macromolecular Bioscience

SUMMER SCHOOL 2016
HELMHOLTZ GRADUATE SCHOOL
FOR MACROMOLECULAR BIOSCIENCE

Program

Monday, 19 September 2016

Institute of Biomaterial Science
Helmholtz-Zentrum Geesthacht (HZG)
Lecture Hall 103, House M, Kantstr. 55, 14513 Teltow

- 09:00 - 09:15 Opening and Welcome: **Prof. Nan Ma**
Spokesperson MacroBio Grad School
- 09:15 - 10:00 **Prof. Andreas Taubert**
Institute of Chemistry, University of Potsdam
- 10:00 - 10:45 **Dr. Marie Weinhart**
Institute of Chemistry and Biochemistry,
Freie Universität Berlin
- 10:45 - 11:15 **Coffee Break**
- 11:15 - 12:00 **Prof. Bernd Schmidt**
Institute of Chemistry, University of Potsdam
- 12:00 - 12:45 **Prof. Mirosława El Fray**
Polymer Institute, West Pomeranian
University of Technology Szczecin
- 12:45 - 13:45 **Lunch Break**
- 13:45 - 14:05 Short Oral Talk
N. N.
- 14:05 - 14:25 Short Oral Talk
N. N.
- 14:25 - 14:45 Short Oral Talk
N. N.
- 14:45 - 15:05 Short Oral Talk
N. N.
- 15:05 - 15:35 **Coffee Break**
- 15:35 - 16:30 Summary of the Day and Scientific Challenge

Tuesday, 20 September 2016

Institute of Biomaterial Science
Helmholtz-Zentrum Geesthacht
Lecture Hall 103, House M, Kantstr. 55, 14513 Teltow

- 09:00 - 09:05 Welcome
- 09:05 - 09:45 MacroBio Members Assembly
- 10:00 Departure Team Event
- 11:30 Team Event „Escape Room“

Program

Wednesday, 21 September 2016

Berlin-Brandenburg Center for Regenerative Therapies (BCRT)
Charité Campus Virchow-Klinikum (CVK)
Auditorium (room 0.0045), Föhrer Str. 15, 13353 Berlin

- 10:00 - 10:15 Welcome: **Dr. Christian Wischke**
Institute of Biomaterial Science, HZG
- 10:15 - 11:00 **Prof. Ute Schepers**
Institute of Toxicology and Genetics,
Karlsruhe Institute of Technology
- 11:00 - 11:45 **Prof. Burkhard Luy**
Institute for Biological Surfaces 4,
Karlsruhe Institute of Technology
- 11:45 - 12:45 **Lunch Break**
- 12:45 - 13:30 **Prof. Katja Hanack**
Institute of Biochemistry and Biology,
University of Potsdam
- 13:30 - 14:15 **Dr. Manfred Gossen**
Institute of Biomaterial Science, HZG
- 14:15 - 14:45 **Coffee Break**
- 14:45 - 15:05 Short Oral Talk
N. N.
- 15:05 - 15:25 Short Oral Talk
N. N.
- 15:25 - 15:45 Short Oral Talk
N. N.
- 15:45 - 16:05 Short Oral Talk
N. N.
- 16:05 - 16:35 **Coffee Break**
- 16:35 - 17:35 **Dr. Christoph Feest**
Innovation Platform, BCRT
- 17:35 - 18:00 Summary of the Day and Scientific Challenge

Program

Thursday, 22 September 2016

University of Potsdam
Campus Griebnitzsee
Lecture Hall 02, House 6, August-Bebel-Str. 89, 14482 Potsdam

Symposium on „Technology and Medicine“

- 09:00 - 09:15 Welcome: **Prof. Andreas Lendlein**
Director Institute of Biomaterial Science, HZG
- 09:15 - 10:00 **Keynote: Prof. Avi Schroeder**
Department of Chemical Engineering,
Technion – Israel Institute of Technology
- 10:00 - 10:45 **Keynote: Prof. Giuseppe Battaglia**
Department of Chemistry,
University College London
- 10:45 - 11:15 **Coffee Break**
- 11:15 - 11:35 **Philipp U. Bastian**
Institute of Chemistry, University of Potsdam
- 11:35 - 11:55 **Burcu Kepsutlu**
Helmholtz-Zentrum Berlin
- 11:55 - 12:40 **Keynote: Prof. Fabian Kießling**
Institute for Experimental Molecular Imaging,
University Hospital Aachen
- 12:40 - 13:40 **Lunch Break**
- 13:40 - 14:00 **Philipp Lohmann**
Institute of Neuroscience and Medicine 4,
Forschungszentrum Jülich
- 14:00 - 14:20 **Nadia Brunacci**
Institute of Biomaterial Science, HZG
- 14:20 - 15:05 **Keynote: Prof. Kristopher Kilian**
Dept. of Materials Science and Engineering,
University of Illinois at Urbana-Champaign
- 15:05 - 15:35 **Coffee Break**
- 15:35 - 16:20 **Keynote: Prof. Stephanie Bryant**
Chemical and Biological Engineering,
University of Colorado at Boulder
- 16:20 - 16:40 **Gowthamy Venkidasubramonian**
Institute of Biological Interfaces,
Karlsruhe Institute of Technology
- 16:40 - 17:00 **Dr. Maïke Windbergs**
Helmholtz Institute for Pharmaceutical
Research Saarland
- 17:00 **Get-together**

Program

Friday, 23 September 2016

University of Potsdam
Campus Griebnitzsee
Lecture Hall 02, House 6, August-Bebel-Str. 89, 14482 Potsdam

- 09:00 - 09:15 Welcome: **Dr. Burkhard Schulz**
Deputy Spokesperson MacroBio Grad School
- 09:15 - 10:00 **Prof. Marcus Frohme**
Institute for Applied Biosciences,
Technical University of Applied Sciences Wildau
- 10:00 - 10:45 **Dr. Claus Duschl**
Department of Cellular Biotechnology,
Fraunhofer IZI
- 10:45 - 11:15 **Coffee Break**
- 11:15 - 12:00 **Prof. Ursula Anderer**
Cell Biology,
BTU Cottbus-Senftenberg
- 12:00 - 12:45 **Prof. Frank Hufert**
Institute of Microbiology and Virology,
Medizinische Hochschule Brandenburg
- 12:45 - 13:45 **Lunch Break**
- 13:45 - 14:05 Short Oral Talk
N. N.
- 14:05 - 14:25 Short Oral Talk
N. N.
- 14:25 - 14:45 Short Oral Talk
N. N.
- 14:45 - 15:05 Short Oral Talk
N. N.
- 15:05 - 15:35 **Coffee Break**
- 15:35 - 16:30 Summary of the Day and Scientific Challenge