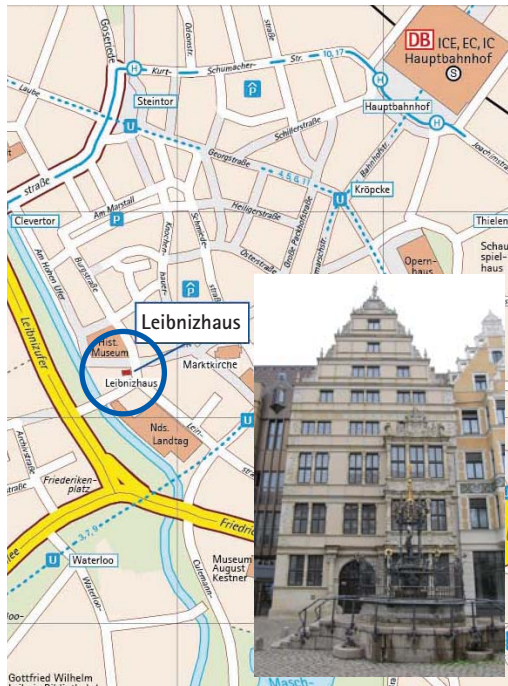


Location



Leibnizhaus: Holzmarkt 4 – 6, 30159 Hannover

Location: The central station with its connection to intercity and suburban railways is within a 10-minutes' walking distance. A subway station (Station Markthalle/ Landtag) and a bus stop (Friedrichswall) are within walking distance as well. From the Central Station, suburban train S 5 takes you to Hannover Airport within 25 minutes.

NanoSaTox

Nanotechnology is regarded as one of the most promising key technologies that can contribute to the solution of many problems of mankind. In addition to the potential opportunities of nanotechnology, there are warnings on possible risks of nanotechnology for the environment and health. The „Workshop on Nanosafety and Nanotoxicology (NanoSaTox)“ examines this complex subject with various presentations from different institutions to give a differentiated picture of the current state of research.

The workshop is organized by the PhD-programme „Hannover School for Nanotechnology“ of the Laboratory of Nano and Quantum Engineering from Leibniz Universität Hannover.

Registration

An informal registration is requested. Please just send an e-mail with your name, affiliation and the subject "NanoSaTox registration" to:

Sekretariat@LNQE.uni-hannover.de

Please register until 20th October!

There is no conference fee.

More information on:

www.hsn.uni-hannover.de/nanosatox.html



Workshop on Nanosafety and Nanotoxicology (NanoSaTox)

Hannover
27th October 2015
Tuesday
9:00 – 17:30

Leibnizhaus
Holzmarkt 4 – 6
30159 Hannover
Germany

Programme:

08:30 Registration / Coffee

09:00 Introduction

- 09:00 **Prof. Dr. Rolf Haug**
Coordinator of the PhD-programme
"Hannover School for Nanotechnology"
Leibniz Universität Hannover

09:15 – 10:45 Session 1

Keynote talk

- 09:15 *"Reliability of Nanosafety Research
- Considerations on the Basis of a Comprehensive Literature Study"*
Prof. Dr. Harald Krug
Swiss Federal Laboratories for Materials
Science and Technology

- 10:10 *"Rational design of nanoparticle toxicology assays: a question of exposure scenario, dose and experimental setup"*
Prof. Dr.-Ing. Stephan Barcikowski
University of Duisburg-Essen, Technical
Chemistry I and Center for Nanointegration
Duisburg-Essen

10:45 – 11:15 Coffee

11:15 – 13:00 Session 2

- 11:15 *"Regulatory Aspects of Nanomaterials in the EU"*
Dr. Birgit Sokull-Klüttgen
European Commission, Joint Research Centre
(JRC)
- 11:50 *"Overcoming the limitations of in vitro toxicology - development of new optical test methods"*
Dr. Jürgen Schnekenburger
Biomedical Technology Center of the Medical
Faculty Münster

- 12:25 *"Analyzing iron oxide nanoparticles for drug delivery - innovative investigation tools for nanotoxicology"*
Dr. Christina Janko
University Hospital Erlangen, Department of
Otorhinolaryngology, Head and Neck Surgery,
Section of Experimental Oncology and Nano-
medicine (SEON)

13:00 – 14:00 Photo & Buffet Lunch

14:00 – 15:45 Session 3

- 14:00 *"Proteomics approaches for hazard assessment of NMs and for supporting NM classification"*
Dr. Andrea Haase
German Federal Institute for Risk Assessment
- 14:35 *"Exploring environmental risks of Manufactured Nanomaterials - current knowledge, challenges & (inter-)national activities"*
Dr. Doris Völker
Umweltbundesamt
- 15:10 *"DaNa2.0 - Knowledge Base Nanomaterials"*
Dr. Christoph Steinbach
DECHEMA e.V.

15:45 – 16:15 Coffee

16:15 – 17:25 Session 4

- 16:15 *"Inhalation Toxicity Testing of Nanopowders"*
Dr. Otto Creutzenberg
Inhalation Toxicology & Chemical Risk Assessment, Fraunhofer Institute of Toxicology & Experimental Medicine (Fraunhofer ITEM)
- 16:50 *"In vitro Biotesting of nanoparticles on mammalian cells"*
Prof. Dr. Cornelia Blume
Leibniz Universität Hannover, Institute of
Technical Chemistry

17:25 End

Laboratory of Nano and Quantum Engineering

The Laboratory of Nano and Quantum Engineering (LNQE) is an interdisciplinary Leibniz Research Center of the Leibniz Universität Hannover in the field of nanotechnology. Substantive goals are both excellent basic research as well as application-oriented engineering at the nanoscale accompanied by appropriate cross-disciplinary training. Currently there are 31 research groups from five faculties at LNQE involved. To achieve its objectives the Laboratory of Nano and Quantum Engineering operates a shared research building in Hanover, with laboratories, equipment, etc., and especially clean rooms.

Website: www.LNQE.uni-hannover.de

Hannover School for Nanotechnology

hsn, the Hannover School for Nanotechnology, is the coordinated PhD-programme of the Laboratory of Nano and Quantum Engineering from Leibniz Universität Hannover together with Hochschule Hannover. Involved in the programme are the disciplines of physics, chemistry, electrical engineering, civil engineering, and mechanical engineering. The research is on nanotechnology, concentrated on transformation, transport and storage of energy.

Website: www.hsn.uni-hannover.de