

Tuesday, October 28, 2008

Part I: CeNTech Center for Nanotechnology

Seminar room, Heisenbergstraße 11,
48149 Münster

2.00 p.m. **Welcome**

URSULA NELLES

Rector of the University of Münster

VOLKER TER MEULEN ML*

President of the German Academy of
Sciences Leopoldina

Scientific Presentations

2.15 p.m. **HARALD FUCHS ML**

Department of Physics, University of Münster
**Nanobio-analytics:
From Atoms to Molecular Assemblies**

2.45 p.m. **HANS OBERLEITHNER**

Institute of Physiology II, University Hospital of
Münster
Endothelial Cells as Salt Sensors

3.15 p.m. **HANS-CHRISTIAN PAPE ML**

Institute of Physiology I, University Hospital of
Münster
Traces of Fear and Anxiety in the Brain

3.45 p.m. **Coffee Break / Lab Tour CeNTech** and

walk to the Max Planck Institute for Molecular
Biomedicine

Part II: Max Planck Institute for Molecular Biomedicine

Lecture Hall, Röntgenstraße 20,
48149 Münster

Scientific Presentations

4.30 p.m. **THOMAS LUGER ML**

Dermatological Clinic, University Hospital of
Münster

Molecular Aspects of Neurogenic Inflammation

5.00 p.m. **DIETMAR VESTWEBER ML**

Max Planck Institute for Molecular Biomedicine
How Leukocytes Reach Sites of Inflammation

5.30 p.m. **HANS SCHÖLER ML**

Max Planck Institute for Molecular Biomedicine
Induction of Pluripotency in Adult Stem Cells

6.00 – 6.30 p.m.

Coffee Break

**Lab Tour Max Planck Institute for Molecular
Biomedicine**

7.00 p.m. **Dinner** (upon special invitation)

About the Meeting

For many years the German Academy of Sciences Leopoldina has organized regular monthly public lectures in Halle (Saale), the seat of the Academy. In these lectures members report on their scientific work. They are invited to present themselves to the Academy and the interested public, and to meet other Leopoldina members. All lectures are published in the yearbooks of the Academy.

Starting in 2008, the Leopoldina Presidium organizes a limited number of monthly lectures outside the town of Halle, i. e. in institutions in which Academy members do their research. Thus, the Academy wishes to establish a direct contact with universities, other research institutions, and with its members. To this end, scientific meetings with the participation of speakers of the visited institution(s) are organized. Following the first meeting of this year at the University of Zurich, the October meeting 2008 will take place in Münster hosted by the Westfälische Wilhelms-Universität Münster, the Center for Nanotechnology, and the Max Planck Institute for Molecular Biomedicine. Following the scientific meeting on October 28th, 2008 at the Center for Nanotechnology CeNTech and the Max Planck Institute for Molecular Biomedicine, the Presidium of the Leopoldina will convene on October 29th for its monthly meeting.

The meeting will be an ideal opportunity for the exchange and presentation of concepts in various areas of research and will create a platform for the discussion of future collaboration between German universities and the Academy.

The scientific part of the October meeting is entitled “From Nanoscience to Biomedicine”. This area forms a strong focus within the research activities of members of the Leopoldina at the *Westfälische Wilhelms-Universität* Münster and the Max Planck Institute for Molecular Biomedicine. The meeting will focus on selected examples of analytical nanoscience work as well as recent biomedical research results. Prominent speakers will present aspects of novel and analytical nanotools and their application to complex biological systems, physiological aspects of fear, molecular mechanisms of inflammation, and induction of pluripotency in adult stem cells.

The organizers warmly welcome experts from the academic institutions in Münster and elsewhere as well as students and the interested public and, in particular, all members of the German Academy of Science Leopoldina.

* ML – Member of the Leopoldina

About the German Academy of Sciences Leopoldina

The Leopoldina is the world's oldest continuously existing academy for medicine and natural sciences with a tradition of 356 years. The number of its members from all over the world amounts to approximately 1300. The Leopoldina was officially appointed Germany's National Academy of Sciences in 2008.

The Leopoldina maintains a network with scientific institutions of European and non-European countries, organizes a large number of national and international meetings and symposia, and issues statements and recommendations. Counselling national and international parliaments and bodies in scientific matters and the support and promotion of young scientists are considered the most important tasks of the Leopoldina at the beginning of the 21st century.

Registration

Registration should be made by the enclosed registration form, by fax, or email until October 6, 2008.

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Internet: <http://www.leopoldina-halle.de/>

Accommodation

All participants (except invited guests) are requested to make their own reservation.

How to find the Center for Nanotechnology

By car:

Leave the highway at the exit for Münster Nord and drive in direction of Münster (B54, "Steinfurter Straße"). After 4.0 km on the B54, turn right onto "Orleans-Ring". After 400 m turn right onto "Apffelstaedtstraße" at the next traffic light. After 500 m turn, left into "Corrensstraße", then turn right onto "Heisenbergstraße". The CeNTech Building is located on the left, at the same level as the three modern buildings of "Technologiehof Münster". The car park is located behind the building (entry on the left).

By plane:

Local airport is Münster – Osnabrück (FMO), approximately 27 km to CeNTech. There is a transfer-bus-line from the airport to Münsters central train station.

By train/bus:

On working days/during the day the bus lines 4 and 12 drive from the main train station via "Horstmarer Landweg". Step out at the bus stop place "Mendelstraße". Travel time 15 – 20 minutes.

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Deutsche Akademie der Naturforscher Leopoldina
German Academy of Sciences Leopoldina
Nationale Akademie der Wissenschaften

Leopoldina Meeting

From Nanoscience to Biomedicine

Held by

Deutsche Akademie der
Naturforscher Leopoldina

CeNTech –
Center for Nanotechnology

Max Planck Institute for
Molecular Biomedicine

Westfälische Wilhelms-Universität
Münster

October 28, 2008, Münster, Germany

Scientific Organization:

HARALD FUCHS ML (Münster) and colleagues



WESTFÄLISCHE
WILHELMS-UNIVERSITÄT
MÜNSTER