

ORGANIZERS:

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CONFERENCE VENUE:

Konrad-Zuse-Zentrum
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INFORMATION / REGISTRATION:

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**Targets, Drugs and Carriers
Novel Therapeutic Approaches**

May 14-15, 2004
Berlin-Dahlem

THE SYMPOSIUM WAS SUPPORTED BY:

Deutsche Forschungsgemeinschaft
Freie Universität Berlin

REGISTRATION FEES:

Non-Students: EUR 50
Students: free
Boat tour: EUR 50

PROGRAM

Friday, May 14, 2004

08:15 *Registration, put up posters*

09:00 **Opening ceremony**

ANTIINFLAMMATORY ACTIVITY

Chair: Kerstin Danker (Berlin), Rudolf Tauber (Berlin)

09:15 **Thomas Ruzicka** (Düsseldorf)
New molecular targets in inflammatory skin diseases

10:00 **Konrad Sandhoff** (Bonn)
Sphingolipids as functional components of cell membranes and of the epidermal barrier for water

10:45 **Dieter Steinhilber** (Frankfurt/M.)
Mechanism of induction of 5-lipoxygenase gene expression by 1,25-dihydroxyvitamin D₃ and transforming growth factor- β

11:30 *Coffee break*

11:50 **Dietmar Vestweber** (Münster)
Molecular mechanisms controlling endothelial permeability and leukocyte extravasation

12:35 **Josef M. Pfeilschifter** (Frankfurt/M.)
Matrix-metabolizing enzymes as prime targets of redox regulation by nitric oxide

13:20 *Lunch*

INTERACTION WITH MEMBRANES AND NATURAL BARRIERS

Chair: Oliver Liesenfeld (Berlin), Beate Röder (Berlin)

14:30 **Hans E. Junginger, J. Coos Verhoef** (Leiden)
Novel carriers for peroral peptide delivery and absorption

15:15 **Britta Engelhardt** (Münster)
Molecular mechanisms of T Cell migration across the blood-brain barrier in vitro and in vivo

16:00 **Alfred Blume** (Halle)
Interactions of polar and amphipathic molecules with lipid model membranes

16:45 **Sven Krüger** (Berlin)
Application of addressable light patterns to gather information of cellular systems

18:00 *Boat tour*

Saturday, May 15, 2004

INFLUENCING HYPERPROLIFERATIVE AND FIBROTIC DISEASES

Chair: Ronald Gust (Berlin), Werner Reutter (Berlin)

09:00 **Gert Fricker** (Heidelberg)
Taxol – new therapeutic options for the treatment of brain tumors

09:45 **Horst Kunz** (Mainz)
Synthetic glycopeptides – candidates for the development of antiinflammatory and antitumor drugs

10:30 **Hans Merk** (Aachen)
Chemoprevention of skin cancer – from xenobiotica metabolism to new drug targets

11:15 *Coffee break*

11:35 **Rolf W. Hartmann** (Saarbrücken)
Identification of a novel target (CYP11B2) for the treatment of cardiac fibrosis and first drug discovery results

12:20 **Anita Roberts** (Bethesda, MD)
Inhibition of Smad3 – a novel therapeutic approach to prevention of fibrotic sequelae?

13:05 *Closing ceremony*