



ISN FOREFRONT CONFERENCE

“VASCULAR REPAIR AND REGULATION IN KIDNEY DISEASE”

September 30 - October 2, 2004

Westin Bellevue Hotel, Dresden, Germany

Dear Colleagues

We are pleased to invite you join us in Dresden and attend the 2004 ISN FOREFRONT CONFERENCE on ***Vascular Repair and Regulation in Kidney Disease***.

The Conference is dedicated to selected aspects of **vascular physiology and pathophysiology that appear to be of major relevance in renal disease and uremia**. It will reflect recent progress in these areas and stimulate novel scientific exploration. Accordingly, an international group of experts will present and discuss their current findings.

The Conference will concentrate on the following areas of interest:

- Oxidative stress
- Nitric oxide
- Diabetic nephropathy
- Renal angiogenesis
- Endothelial progenitor cells
- Organ repair
- New horizons in endothelial research

Submission of abstracts for posters, to provide a forum through which to exchange ideas, is encouraged. **The deadline for abstract submission is August 10, 2004.**

Travel grants (€ 500) are available for poster presenters. (For details: see “General Information”).

The total number of participants is limited to 150. We therefore encourage you to register early in order to be able to participate in this unique event.

We shall be very pleased to welcome you to Dresden.

Peter Gross, M.D

Chairman

On behalf of the organizers



PROGRAM

Thursday, September 30, 2004

19.00 - 20.00 **Welcome Reception**

Friday, October 1, 2004

8.30 - 10.15 **Introduction**

8.30 - 8.45 Welcome and introduction
P. Gross, Dresden

8.45 - 9.15 The spectrum of endothelial cell dysfunction and its
relation to nitric oxide synthase
M.S. Goligorsky, Valhalla, N.Y.

9.15 - 9.45 Extrarenal and intrarenal vascular changes in experimental
uremia
K. Amann, Erlangen

9.45 - 10.15 Uremic arteriosclerosis, its spectrum and its possible causes
B. Lindholm, Stockholm

10.15 - 10.45 **Coffee Break**

Posters to be placed and Poster exhibition open

10.45 - 12.45 **Oxidative Stress**

10.45 - 11.15 The sources of oxidative stress in the vessel wall
M. S. Wolin, Valhalla, N.Y.

11.15 - 11.45 The quantification of oxidative stress in vivo and in vitro:
a critical appraisal
R. Brandes, Frankfurt

11.45 - 12.15 Reactive oxygen species in models of hypertensive and
nitrate-tolerant states
T. Münzel, Hamburg

12.15 - 12.45 Oxidative stress in chronic renal failure
J. Galle, Würzburg

12.45 - 14.00 **Lunch**



14.00 - 16.00

Nitric Oxide

14.00 - 14.30

The biochemistry of ADMA, its relevance for cardiovascular health and its role in uremia
P. Vallance, London

14.30 - 15.00

Nitric oxide in chronic renal failure
J. Passauer, Dresden

15.00 - 15.30

The regulation of eNOS
I. Fleming, Frankfurt

15.30 - 16.00

Is there a circulating pool of nitric oxide?
M. Kelm, Düsseldorf

16.00 - 16.30

Coffee Break

16.30 - 18.00

Diabetic Nephropathy

16.30 - 17.00

The role of protein kinase C activation in diabetes mellitus
H. Haller, Hannover

17.00 - 17.30

Diabetic nephropathy: reactive oxygen species, signalling and matrix remodelling
Hi Bahl Lee, Seoul

17.30 - 18.00

Roles of AGE and RAGE in experimental diabetes mellitus
A. Bierhaus, Heidelberg

Saturday, October 2, 2004

8.30 - 10.00

Renal Angiogenesis

8.30 - 9.00

The normal function of glomerular endothelium in the process of glomerular filtration
B. Haraldson, Göteborg

9.00 - 9.30:

The regulation of glomerular endothelial cell growth: the role of the podocyte in maintaining glomerular capillary endothelial cell differentiation.
B. Ballermann, Edmonton, Alberta

9.30 - 10.00:

The role of apoptosis in fashioning the lumen of the glomerular capillary
W. Fierlbeck, Frankfurt

10.00 - 10.30: **Coffee Break**



10.30 - 12.30: Endothelial Progenitor Cells

10.30 - 11.00: The role of bone-marrow derived cells in endothelial repair of experimental glomerulonephritis
M. C. Verhaar, Utrecht

11.00 - 11.30: Erythropoietin regulates endothelial progenitor cells in vitro and in vivo
D. Fliser, Hannover

11.30 - 12.00: Endothelial progenitor cells: mechanisms of stimulation and effects on reendothelialisation in experimental models
U. Laufs, Homburg

12.00 - 12.30: Risk factors for coronary artery disease, circulating endothelial progenitor cells and the role(s) of HMG-CoA-reductase inhibitors
C. Urbich, Frankfurt

12.30 - 14.00: Lunch

13.45 - 15.00: Tour of the poster exhibition with oral presentations of all posters

15.00 - 15.30: Presentation of the 2 best posters

15.30 - 16.30: Organ Repair

15.30 - 16.00: The phenomena of nephrogenesis and glomerulogenesis in the adult little skate and the molecular mechanisms involved
M. Elger, Hannover

16.00 - 16.30: Cellular transplantation of nephrons.
M. Hammerman, St. Louis, MO.

16.30 - 17.00: Coffee Break

17.00 - 18.30: New Horizons in Endothelial Research

17.00 - 17.30: Steroid-induced effects in human endothelial cells
H. Oberleithner, Muenster

17.30 - 18.00: New insight into the pathogenesis of preeclampsia
R. Dechend, Berlin

18.00 - 18.30: Antioxidant treatment: effective prophylaxis for uremic cardiovascular complications.
M. Tepel, Berlin

18.30 - 18.40: Closing Speech

Poster Exhibition Ends

19.30 - 21.30: Dinner



Chairman, Organisation of the Conference

Peter Gross, M.D.
Head, Division of Nephrology,
Universitätsklinikum Carl Gustav Carus,
Fetscherstrasse 74,
D-01307 Dresden,
Germany
Tel. + 49 (0) 351 458 2645
Fax: + 49 (0) 351 458 5333;
e-mail: peter.gross@mailbox.tu-dresden.de

The Conference is organised by:
Members of the Division of Nephrology, Universitätsklinikum Carl Gustav Carus, Dresden
(Drs. E. Büssemaker, K. Herbrig, J. Passauer, F. Pistrosch).

Scientific Advisory Board

Barbara Ballermann, Edmonton, Alberta
Ralph Brandes, Frankfurt
Rudi Busse, Frankfurt
Stephanie Dimmeler, Frankfurt
Marlies Elger, Hannover
Wolfgang Fierlbeck, Frankfurt
Hermann Haller, Hannover
Malte Kelm, Düsseldorf

George L. King, Boston, MA
Hi Bahl Lee, Seoul
Thomas F. Lüscher, Zürich
Henning Morawietz, Dresden
Peter Nawroth, Heidelberg
Josef Pfeilschifter, Frankfurt
Elly Tanaka, Dresden

Acknowledgements

The FOREFRONT-CONFERENCE was made possible by generous grants from the International Society of Nephrology (ISN) as well as by the following supporters:

Hoffmann-La Roche AG
Fujisawa Deutschland GmbH
Wyeth Pharma GmbH
Ortho Biotech
Lilly GmbH
Novartis Pharma GmbH

Glaxo SmithKline GmbH & Co. KG
Schwarz Pharma AG
MSD Sharp & Dohme GmbH
Pfizer GmbH
Aventis Pharma Deutschland GmbH
Novo Nordisk Pharma

Additional partners and supporters are welcome – please contact the Chairman of the Organizing Committee for sponsorship/exhibition information.



GENERAL INFORMATION

Conference Venue:

Westin Bellevue Hotel

Grosse Meissner Strasse 15, 01097 Dresden.

Tel.: + 49 (0) 351 805 0; FAX: 0049 (0) 351 805 1609;

e-mail: hotelinfo@westin-bellevue.com

The hotel is centrally located among the picturesque gardens on the banks of the river Elbe. It has breathtaking panoramic views of Dresden's famous historic skyline, including Semper Opera House, the Zwinger and the Hofkirche Catholic Cathedral.

During the Conference, the secretariat, presentations, poster exhibition, most of the meals and the industrial exhibition will all be held at the Westin Bellevue Hotel.

Registration:

The total number of participants is limited to 150. It is advisable to register early in order to benefit from participation in this unique opportunity.

The registration fee of 70 € includes:

- Welcome reception
- Lunch, October 1
- Lunch, October 2
- Dinner, October 2

To register, please use the following registration form at the end of the document. Registrations will be accepted on a first come, first served basis (limited to 150 participants).

Abstract submission and posters:

Participants are encouraged to submit abstracts for posters to be presented during the poster exhibition. All abstracts will be evaluated by a panel of referees. When selected for presentation, posters should be exhibited from October 1 at 10.15 until the end of the Conference. There will be a dedicated poster viewing time on October 2, between 13.45 and 15.00. A panel of experts will tour all posters, providing authors the opportunity for a short (3 minute) oral presentation of their work. Please use the abstract submission form attached to submit an abstract.

Please send your abstracts to:

Peter Gross, M.D.; Head, Division of Nephrology,
Universitätsklinikum Carl Gustav Carus, Fetscherstrasse 74,
D-01307 Dresden, Germany

Fax: + 49 (0) 351 458 5333;

e-mail: peter.gross@mailbox.tu-dresden.de

Deadline for abstracts to be at the above address: **August 10, 2004**



Travel grants:

Researchers younger than 40 years old and submitting an abstract may apply for a travel grant worth €500 offered by the ISN. The number of available travel grants is encouraging. If applying for a travel grant (to be paid in Dresden) please send a short curriculum vitae (1/2 page) together with your abstract submission form. Your CV should give information on your age, the date of graduation from medical school (university), your postgraduate training, past and present research and the reason for participation in the ISN FOREFRONT CONFERENCE.

How to get to Dresden:

Dresden is easily reached by train (via Leipzig or Berlin), by car – using the German Autobahn, or by regular commercial airline (usually via Munich or Frankfurt). If you use the trains you may want to disembark at “Dresden-Neustadt”, since that station is not far from the venue of the Conference (The Westin Bellevue Hotel, Dresden).



HOTELS AND ACCOMMODATION

The Westin Bellevue Hotel:

This hotel will serve as the venue to the conference. It offers luxurious rooms with great views over the city. The hotel is in the center of the city. It is quiet and offers easy access to the highlights of sightseeing. The interior of the hotel has been refurbished completely in recent years.

Prices start at €110 /night for a single bedroom

Contact information:

The Westin-Bellevue Hotel Dresden;
Grosse Meissner Strasse 15, D-01097 Dresden, Germany
Tel: + 049 (0) 351 805 0, Fax: + 049 (0) 351 805 1609
e-mail: hotelinfo@westin-bellevue.com

The Martha-Hospiz:

This is a small hotel with reasonable rates. It is pleasant, comfortable and quiet. It is only about 400 m from the venue of the Conference (Westin Bellevue).

Room rates as of: €46 /night for a single bedroom

Contact information:

Martha Hospiz, Nieritzstrasse 11, D-01097 Dresden, Germany
Tel: + 049 (0) 351 81760, Fax: + 49 (0) 351 81762
If interested book your room early because of limited capacity.

Hotel Bayerischer Hof:

This is another very comfortable hotel in the vicinity of the Conference venue (400m). The entire hotel has been reconstructed in recent years.

Room rates as of: €85 /night for a single bedroom

Contact information:

Hotel Bayerischer Hof, Antonstrasse 33-35, D-01097 Dresden, Germany
Tel: + 49 (0) 351 829370, Fax: + 49 (0) 351 801 4860
e-mail: info@bayerischer-hof-dresden.de.

Art'otel Dresden:

This is an unusual place. All of its rooms are decorated with pieces of modern art, wall pictures, furniture and even the bathroom installation included. Some pieces of art are by Penck. It is only 1 km from the venue of the Conference.

Room rates as of: €115 or a single bedroom.

Contact information:

Art'otel Dresden, Ostra-Allee 33, D-01067 Dresden, Germany
Tel: + 049 (0) 351 49220, Fax: + 049 (0) 351 4922 777
e-mail: aodrinfo@artotels.de.

**Dorint Hotel:**

This is a standard hotel offering space and comfort.
It was built 8 years ago. The hotel is about 2 km away from the venue of the Conference.

The room rate starts at 114 €/night for a single bedroom

Contact information: Dorint-Hotel, Grunaer Strasse 14, D-01069, Dresden
Germany

Tel: + 49 (0) 351 491 50, Fax: + 49 (0) 351 491 5112

e-mail: Reservierung.DRSHDD@dorint.com

Other:

If you wish to find suitable accommodation on your own, the tourist information service may be useful to you.

Contact information:

Dresden-Werbung und Tourismus GmbH

Tourist information Zimmervermittlung, Ostra-Allee 11, D-01067 Dresden,
Germany

Tel: + 49 (0) 351 4919 2222, Fax: + 49 (0) 351 4919 2116

e-mail: info@dresden.tourist.de



FOREFRONT CONFERENCE

“VASCULAR REPAIR AND REGULATION IN KIDNEY DISEASE”

September 30 - October 2, 2004

Dresden, Germany

CONFERENCE REGISTRATION FORM

Please complete and return to:

Prof. Peter Gross
Division of Nephrology, Universitätsklinikum Carl Gustav Carus,
Fetscherstrasse 76, D-01307 Dresden, Germany
Fax: + 49 (0) 351 458 5333
e-mail: peter.gross@mailbox.tu-dresden.de

Prof./Dr. Family name: _____ First name: _____

Address: _____

Post Code and City: _____

Country: _____

Tel.: _____ Fax: _____

E-mail: _____

I would like to register for the FOREFRONT CONFERENCE on “Vascular Repair and Regulation in Kidney Disease”. The registration fee is 70 € and includes all lunches and dinners during the conference.

▪ I plan to attend the welcome reception on September 30^t Yes / No

▪ I plan to attend the dinner on October 2: Yes / No

I wish to pay the registration fee by credit card: MASTERCARD VISA J.B.C.

The card number is: _____ Expiry Date: ____/____

The card verification number: _____
(the number noted on the back of the card, often in the field for the signature)

Name of card holder : _____

I wish to pay the registration fee when in Dresden for the Conference. I shall use:
 My credit Card Cash Other

Signature: _____ Date: _____



ABSTRACT SUBMISSION FORM

ISN FOREFRONT
CONFERENCE

Vascular Repair and Regulation In Kidney Disease

Sept. 30 - Oct. 2, 2004
Dresden, Germany

**Abstract submission deadline:
August 10, 2004**
(in Dresden)

Send or fax abstract to the
following address:

Dr. Peter Gross
Renal Division
University Medical Center
Carl Gustav Carus
Fetscherstrasse 76
D-01307 Dresden, Germany
FAX: + 49 (0) 351 5333
E-mail:
peter.gross@mailbox.tu-dresden.de

Category of abstract:

- oxidative stress
- nitric oxide
- diabetic nephropathy
- stem cells/progenitor cells
- organ repair
- renal angiogenesis
- other

Prof./Dr. Family name: _____ First name: _____

Address: _____

Post Code and city: _____ Country: _____

Tel.: _____ FAX: _____

E-mail: _____

I wish to apply for a travel grant for young investigators (< 40 years). A short curriculum vitae (1/2 page) with my age, date of graduation from medical school (university), postgraduate training, past and present research and reason for participation in the FOREFRONT-CONFERENCE is added to this abstract form.