



**Symposium
of the
ABCD*-Universities and Jülich**

**Infection, Inflammation and
Oncology
- a BioRiver Initiative –**

**Cologne
July 04 – 05, 2003**

*Aachen, Bonn, Cologne, Düsseldorf

Friday, July 04

10:15 – 10:30 a.m.

T. Küpper, Rektor Universität zu Köln: Welcome Address

INFECTION AND INFLAMMATION

Chair: H.F. Merk (Aachen) Mediators, receptors and signalling

10:30 – 11:00 a.m.

P.C. Heinrich (Aachen)

Principles of IL-6-type cytokine signalling and its regulation

11:00 – 11:30 a.m.

J. Bode (Düsseldorf)

Modulation of JAK/STAT-signalling by pro-inflammatory mediators and viral proteins

11:30 – 12:00 p.m.

W. Kolanus (Bonn)

Regulation of leukocyte integrin adhesion by the cytohesin-1/CYTIP complex

12:00 – 12:30 p.m.

M. Hoch (Bonn)

Innate immunity pathways in the Drosophila gastrointestinal tract

12:30 – 1:00 p.m.

J. Brüning (Köln)

Insulin signalling and inflammation

- Lunch break -

Chair: H. Pfister (Köln) Acute inflammatory diseases

2:00 – 2:30 p.m.

C. Suschek (Düsseldorf)

Inducible nitric oxide expression in acute and chronic inflammation: a powerful protective and regulatory response

2:30 – 3:00 p.m.

I. Haase (Köln)

The role of epidermal I kappa B kinase 2 in skin inflammation

3:00 – 3:30 p.m.

G. Baumgarten (Bonn)

Septic cardiomyopathy, inflammation and Toll Like Receptors

3:30 – 4:00 p.m.

Ch. D. Weber (Aachen)

Specialized roles of chemokines and adhesion molecules in inflammatory leukocyte recruitment and atherogenesis

4:00 – 4:30 p.m.

B. Homey (Düsseldorf)

Chemokines in inflammatory diseases

- Coffee break -

Chair: D. Häussinger (Düsseldorf) Chronic Inflammation, autoimmunity and fibrosis

5:00 – 5:30 p.m.

B. Eckes (Köln)

Regulation of connective tissue metabolism in fibrosis

5:30 – 6:00 p.m.

T. Heintges (Düsseldorf)

Abrogation of hepatitis C NS3 helicase enzymatic activity by recombinant human antibodies

6:00 – 6:30 p.m.

J. Floege (Aachen)

Cytokines in renal inflammatory and fibrotic diseases

6:30 – 7:00 p.m.

M. Weber (Köln)

The ECM in inflammatory kidney diseases

7:00 – 7:30 p.m.

T. Bieber (Bonn)

Atopic dermatitis: a paradigmatic chronic inflammatory skin disease at the frontier of allergy and autoimmunity

- Wine and Cheese Party -

Saturday, July 05

ONCOLOGY

Chair: M. Krönke Control of cellular proliferation and apoptosis

9:00 – 9:30 a.m.

K. Schulze-Osthoff (Düsseldorf)

Different pathways of apoptosis triggered by death receptors

9:30 – 10:00 a.m.

R. Knüchel-Clarke (Aachen)

Molecular analysis of clonality in bladder cancer

10:00 – 10:30 a.m.

M. Scheffner (Köln)

Human papillomaviruses and p53: Implications for the development of molecular strategies for the treatment of cervical cancer

10:30 – 11:00 a.m.

P. Schirmacher (Köln)

Hepatocellular carcinoma – from tumor profile to therapeutic target structures

11:00 – 11:30 a.m.

R. Kronenwett (Düsseldorf)

Normal and malignant hematopoietic stem cells – genetic program and functional properties

- Lunch break -

Chair: T. Sauerbruch (Bonn) Mechanisms of homing, invasion and metastasis

12:30 – 1:00 p.m.

C. Mauch (Köln)

Role of MMPs in tumor invasion and metastasis

1:00 – 1:30 p.m.

R. Büttner (Bonn)

Regulation of tumor invasion by signalling through the LIM protein domain FHL2

1:30 – 2:00 p.m.

A. Limmer (Bonn)

Cross-presentation of antigen from apoptotic tumor cells leads to induction of immune tolerance: implications for tumor immune escape

2:00 – 2:30 p.m.

E. Roeb (Aachen)

MMP-9 in the context of inflammation in neoplastic progression

- Coffee break -

Chair: R. Haas (Düsseldorf) Molecular diagnostic and novel therapy

3:00 – 3:30 p.m.

J. L. Schultze (Köln)

What is the impact of genomics on cancer vaccine development?

3:30 – 4:00 p.m.

T. Tüting (Bonn)

Perspectives for antigen-specific immunotherapy of melanoma

4:00 – 4:30 p.m.

D. Dillo (Düsseldorf)

Dendritic cell vaccines for the treatment of solid tumors and haematological malignancies in children and adults

4:30 – 5:00 p.m.

H. Abken (Köln)

Manipulating the anti-tumor immune response: recombinant immunoreceptors endow T cells with predefined specificity

5:00 – 5:30 p.m.

W. A. Schulz (Düsseldorf)

DNA methylation alterations for cancer diagnostics and classification

5:30 p.m.

Conclusions