

Thursday, October 18. 2001

14.00 - 14.10 *Introduction and Welcome Address*

14.10 – 16.50	SESSION I: <i>Signal transduction and proliferation</i> CHAIR: ANGEL - YANIV (HEIDELBERG – PARIS)
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- 14.10 - 14.30 1. **Growth factors and Herceptin show different effects on c-erbB-receptor activation and interaction and cause different cell cycle kinetics in breast cancer cells in spite of c-erbB2 overexpression**
Gero Brockhoff, Ruth Kneuchel, Ferdinand Hofstädter (Regensburg)
- 14.30 - 14.50 2. **Role of ERK MAP kinase signalling in normal cell cycle control and during cell transformation by v-Jun**
EJ Black, A MacLaren, W Clark, and DAF Gillespie (Glasgow)
- 14.50 - 15.10 3. **Cell cycle regulation by dioxins and its role in dioxin toxicity**
Martin Göttlicher (Göttingen)
- 15.10 -15.30 4. **Role of the Myc/Max/Mad network in growth and cell cycle control**
Michael Hölzel, Marino Schuhmacher, Franz Kohlhuber, Isabel Schlosser, Dieter Hölzel, Bernhard Lüscher, Dirk Eick (Munich, Hannover)
- 15.30 - 15.50 5. **Cell cycle dependent variations in transcription factors phosphorylation**
Dominique Lallemand, Latifa Bakiri, Christian Muchardt, Jose-Carlos Reyes, Brigitte Bourachot and Moshe Yaniv (Paris)
- 15.50 - 16.10 6. **Cell Cycle Promoting Role of JunB Through Cyclin A Activation**
Sven Andrecht, Andrea Kolbus, Bettina Hartenstein, Peter Angel, Marina Schorpp-Kistner (Heidelberg, Vienna)
- 16.10 - 16.30 7. **RINGO, a new family of cell cycle regulators that directly activate Cdk protein kinases**
Angel R. Nebreda, Ingvar Ferby, Gustavo J. Gutierrez, Anthi Karaiskou and Laurent H. Perez (Heidelberg)
- 16.30 - 16.50 8. **Control of cell proliferation and survival by the transforming proteins of human papillomaviruses**
Pidder Jansen-Dürr (Innsbruck)

16.50 – 17.10 --- coffee break ---

17.10 - 18.00	Session II: <i>Annual general meeting of the DGfZ</i> CHAIR: KNÜCHEL - CLARKE (REGENSBURG)
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18.00 - 19.00	Session III: <i>Postersession</i> CHAIR: MOUSTAFA - VIERGUTZ (MAINZ - ROSTOCK)
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1. **Quantitative DNA-analysis of cholangiocellular carcinoma: Predictive value and clinical relevance**
H. Al-Abadi, H. Abou-Rebyeh, I. Rotter, S. Jonas, P. Neuhaus (Berlin)
2. **Prognostic relevance of quantitative DNA-ploidy for liver transplantation due to hepatocellular carcinoma**
H. Al-Abadi, H. Abou-Rebyeh, I. Rotter, S. Jonas, P. Neuhaus (Berlin)
3. **Forward Scatter: Its role in functional genomics**
Atzberger A, Hipfner D, Cohen S, Ansorge W. (Heidelberg)

4. **Endopolyploidy in higher plants is rather related to taxonomic classification than to genome size**
Barow, Martin and Meister, Armin (Gatersleben)
5. **Protective activity of tea phenol (-)-epigallocatechin-3-gallate (EGCG) against oxidative damage to DNA as determined by the COMET assay**
Cornelia Berthold, Alexander Rapp, Heike Dittmar, Michael Gleis, Beatrice L. Pool-Zobe and Karl-Otto Greulich (Jena)
6. **Study of the glycogen content during refeeding in hepatocytes of rats with liver cirrhosis by cytofluorimetric method**
Bezborodkina Natalia, Kudryavtseva Margarita, Okovity Sergei, Kudryavtsev Boris (St. Petersburg)
7. **Prognostic value of DNA image cytometry in colorectal cancer**
T Borne, V Schmitz, I Rotter, H Al-Abadi, S Jonas, T Steinmüller, P Neuhaus (Berlin)
8. **Quantification of temporary and permanent stained subpopulations of bull sperm by an optimized Sybr-14 / propidium iodide assay**
Grundler W, Dirscherl P, Beisker W, Weber F, Bollwein H. (Neuherberg, Munich)
9. **Flow cytometric examinations on the effect of new antibiotics of the leptomyacin family on tumor cells**
Cornelia Kasper (Hannover)
10. **APC subsets involved in peptide presentation during induction of tolerance versus immunity**
D. Kunkel, R. Volkmer-Engert, J. Schneider-Mergener, A. Radbruch, A. Scheffold (Berlin)
11. **Dynamics of a mixed bacterial population during degradation of xenobiotics**
Lösche, A, Sträuber, H, Müller, S. (Leipzig)
12. **Flow cytometric characterisation of lactic acid bacteria**
Ullrich; S, Lösche, A, Müller, S. (Leipzig)
13. **Ultrastructural changes and activation differences in platelet concentrates stored in various media**
Wagner T, Vetter A, Dimovic N, Guber SE, Helmberg W, Lanzer G, Mayr WR, Neumüller J. (Graz, Vienna)

19.00 - end

Reception at the German Cancer Research Centre

CHAIR: LOCAL ORGANIZERS (Heidelberg)

Friday, October 19, 2001

9.00 – 11.30

SESSION IV: *Cellular differentiation and carcinogenesis*

CHAIR: NEBE - RADBRUCH (MANNHEIM - BERLIN)

- 9.00 – 9.15 1. **Cytokine induced apoptosis in tumour cells is correlated with increased c-Myc and Ki-67 levels.**
Baisch, Heinz (Hamburg)
- 9.15 – 9.30 2. **Characterisation of proliferating B-CLL cells**
Bochtler T, Beisker W, Nüsse M, Meinhardt G.
(Neuherberg, Muenchen)
- 9.30 – 9.45 3. **The first phase of the syngenic foetal organ implant development: crucial and mysterious process.**
Coulic V., Collette J., DeVuyst M., Hustin J., DeKoster E.
(Brussels, Liège)
- 9.45 – 10.00 4. **Flow-cytometric analysis of TGF- β producing T cells**
Maurus De La Rosa, Désirée Kunkel and Alexander Scheffold (Berlin)
- 10.00 – 10.15 5. **Differential chemokine expression by T cell subsets**
Brigitte Dorner, Andreas Radbruch, Richard Kroccek, and Alexander

Scheffold (Berlin)

- 10.15 – 10.30 6. **Cytometric approaches to the molecular analysis of cytokine memory**
Hyun-Dong Chang, Max Löhning, Torsten Stamm, and Andreas Radbruch
(Berlin)
- 10.30 – 10.45 7. **Comparison of inhibitory concentrations IC50 using the cell proliferation assays MTT and the flow cytometric BrdU-Hoechst technique applying CDK-inhibitors**
Bernhard Goller, Manfred Kubbies (Penzberg)
- 10.45 – 11.00 8. **APC subsets involved in peptide presentation during induction of tolerance versus immunity**
D. Kunkel, R. Volkmer-Engert, J. Schneider-Mergener, A.Radbruch and A. Scheffold (Berlin)
- 11.00 – 11.15 9. **Recruitment and conformational modulation of GPIIb/IIIa within rafts on platelets**
Alexandra Pfeiffer, Stefan Barlage, Antonia Wimmer, Gregor Rothe, Gerd Schmitz (Regensburg)
- 11.15 – 11.30 10. **Laser-Rupture Induced Ca²⁺ Oscillations in Non-Excitable Connective Tissue Cells**
Götz Pilarczyk, Shamci Monajembashi, Birgit Perner, Eberhard Schmitt, Karl Otto Greulich (Jena)

11.30 – 11.45 --- coffee break ---

11.45 – 12.10	SESSION V: <i>Talk of the Klaus Goertler Prize Winner</i> CHAIR: MEMBER OF THE PROGRAM COMMITTEE
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12.10 – 13.00 --- lunch ---

13.00 – 16.30	SESSION VI: <i>Novel techniques and applications</i> CHAIR: BEISKER – HAUSMANN (MUNICH – HEIDELBERG)
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- 13.00 – 13.15 1. **Comparison of Scanning Fluorescent Microscope, Laser Scanning Cytometer and Flow Cytometer in the field of analytical cytology**
József Bocsi, Sebestyén Varga, Béla Molnár, Zsolt Tulassay, Attila Tárnok (Budapest, Leipzig)
- 13.15 – 13.30 2. **Monitoring the *in vivo* differentiation of antigen-specific T cells following DNA vaccination**
Till Muzzulini, Désirée Kunkel, Andreas Radbruch,
and Alexander Scheffold (Berlin)
- 13.30 – 13.45 3. **FACSDiVa: The FACSVantage goes digital**
Mark Dessing (BD Biosciences, Heidelberg)
- 13.45 – 14.00 4. **Reflection microscopy for radioactive in situ hybridization on hard keratinized structures**
Lutz Langbein, Herbert Spring (Heidelberg)
- 14.00 – 14.15 5. **The scanning image cytometer MetaCyte: new features and applications**
Frank Mueller-Lutz, Andreas Plesch (Altlussheim)
- 14.15 – 14.30 6. **Magnetofluorescent liposomes for high-sensitivity multicolor immunofluorescence**
Katharina Raba, Désirée Kunkel, Andreas Radbruch, Toralf Kaiser,
Alexander Scheffold (Berlin)

14.30 – 14.45 --- coffee break ---

- 14.45 – 15.00 7. **Absolute volumetric counting of CD34+ and other immuno-labelled cells**
B. Greve, W. Göhde jun., C. Beller, W. Sibrowski, U. Cassens,
W. Göhde (Münster)

- 5.00 – 15.15 8. **Analysis of single molecules**
Bürk Schäfer, Battulga Nasanshargal, Karl Otto Greulich (Jena)
- 15.15 – 15.30 9. **A novel single tube assay for the simultaneous quantification of residual leukocytes, red blood cells, and platelets in fresh frozen plasma by flow cytometry**
H.P. Spengler, B. Lambrecht, U. Bauerfeind, and H. Mohr (Heidelberg)
- 15.30 – 15.45 10. **CyFlow – plant and microbial applications for an ultracompact multiparameter flow cytometer**
Matthias Steinberg, Carsten Herrmann, Volker Ost and Wolfgang Göhde jun. (Münster)
- 15.45 – 16.00 11. **Enzymatic amplification staining for flow cytometry**
Michael Steinbrecher (Hamburg)
- 16.00 – 16.15 12. **Flow cytometrical enumeration of radiation induced CD59-mutation frequencies in human-hamster AL cells**
B. Greve, D. Uthe, E. Severin, W. Göhde, S. Guldbakke, D. Schlegel and H. J. Brede (Münster)
- 16.15-16.30 13. **Toluidine blue colour test for sperm nucleus status: Application of RGB image analysis**
Je. Erenpreisa, Ju. Erenpreisa M. Slaidina (Riga)

16.30 – 16.45 --- coffee break ---

16.45 – 17.45	SESSION VII: <i>Clinical applications (part1)</i> CHAIR: BROCKHOFF – HEMMER (REGENSBURG – ULM)
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- 16.45 – 17.00 1. **Detection of allo- and autoreactive antibodies in patients with protein losing enteropathy (PLE) in Fontan patients by flow and laser scanning cytometry**
Dominik Lenz, Jörg Hamsch, Jacqueline Richter, Peter Schneider, Attila Tárnok (Leipzig)
- 17.00 -17.15 2. **Combined in vitro chemosensitivity testing and subcellular localisation studies to assess new hematoporphyrin-derived platinum conjugates**
C. Lottner, R. C. Krieg, G. Bernhardt, R. Knüchel and H. Brunner (Regensburg)
- 17.15 – 17.30 3. **True platelet counts and reticulated platelets as a measure of thrombopoietic activity**
C. T. Nebe, C. Keup, A. Bugert and A. Dorn-Beineke (Mannheim)
- 17.30 – 17.45 4. **Potential of cytomics for complication prediction in allogenic and autologous stem cell transplantation (SCT)**
G.Valet, J.Cornelisse, C.Lamers, J.Gratama (Martinsried, Rotterdam)

Saturday, October 20. 2001

9.30 – 10.15	SESSION VIII: <i>Clinical applications (part 2)</i> CHAIR: BÖHM - TARNOK (BONN - Leipzig)
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- 9.30 – 9.45 1. **Optimization of three and four color multiparameter DNA analysis in lymphoma specimens**
Mark Plander, Gero Brockhof, Burkhard Hennemann, Stefan Barlage, Gregor Rothe, Ruth Knuechel (Szombathely, Regensburg)
- 9.45 – 10.00 2. **Methods for four-colour immunophenotyping of tissue sections by laser scanning cytometry (LSC)**

Attila Tárnok, Andreas Gerstner, Dominik Lenz, Pavel Osmancik,
Peter Schneider, Christine Trumpfheller, Pal Racz, Klara Tenner-Racz
(Leipzig, Hamburg)

- 10.00 – 10.15** 3. **Ultrastructural changes and activation differences in platelet concentrates stored in various media**
Wagner T, Vetter A, Dimovic N, Guber SE, Helmberg W, Lanzer G,
Mayr WR, Neumüller J. (Graz, Vienna)

10.15 – 11.15 --- coffee break and breakfast ---

11.15 – 12.30	SESSION IX: <i>Cellular function and markers</i> CHAIR: SCHEFFOLD - VALET (BERLIN - Martinsried)
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- 11.15 – 11.30** 1. **Low temperature FISH of chromosomes analysed by scanning far-field and near-field optical microscopy**
Michael Hausmann, Ralph Winkler, Birgit Perner, Alexander Rapp,
Markus Durm, Karl-Otto Greulich (Jena, Heidelberg)
- 11.30 – 11.45** 2. **Flow cytometric analysis of leukocyte chemotaxis**
C. T. Nebe, K.Hartmann, C. Bissinger and W. Hirt
(Mannheim, Heidelberg)
- 11.45 – 12.00** 3. **Automated micro-axial tomography for quantitative analysis of the genome organisation**
M. Kozubek, H. Eipel, M. Skalníková E. Bártová, J. Rauch, C.
Cremer, M. Hausmann (Brno, Heidelberg, Regensburg)
- 12.00 – 12.15** 4. **The mobility of biomolecules in the cell nucleus**
M. Wachsmuth, T. Weidemann, T. A. Knoch, G. Müller,
W. Waldeck, J. Langowski (Heidelberg)
- 12.15 - 12.30** 5. **Replicative senescence due to telomere-erosion in Hodgkin- and Reed-Sternberg cells**
Z. Balta, U. Flucke, T. Scheuffler, A. Basler, J. Lorenzen (Aachen)

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