

# Preliminary Program:

**Thursday October 21 2004**

**14.00 Welcome Address and Opening Remarks**

**14.10 - 15.50 Session I: siRNA-Technology**

*Chair: Scheffold - Rudel (Berlin - Berlin)*

**Use of RNA interference for gene function analysis in mammalian cells**

Rudel Th.

**RNAi tools to study cancer**

Agami R.

**Large-scale gene silencing using RNAi-based cell arrays**

Janitz M.

**Towards in vivo application of siRNA technology**

Rutz S.

**siRNA-mediated silencing of EGFR has no inhibitory effect on human glioma cells *in vitro***

Vollmann A, Soutschek J, Stempf Th, Bogdahn U.

**15.50 - 16.00**

**\*\*\* coffee break \*\*\***

**16.00 - 18.05 Session II: Stem Cell Biology**

*Chair: Frühauf - Lyko (Heidelberg - Heidelberg)*

**Chaninging gears – new ways for stem cell mobilisation**

Frühauf St.

**Titel under construction**

Ho A.

**Mechanism of human stem cell homing and repopulation in transplanted NOD/SCID mice**

Lapidot T.

**Placenta as a reservoir of multipotent progenitor cells which can differentiate into neural and muscle cells in vitro**

Pavlova BG, Neumüller J, Heinz R, Kolbus A, Stadelmann S, Huber J.

**Combined application of flow cytometry & retroviral vector technology for the functional genomic analysis of human myelopoiesis and dendritic cell development**

Taschner, Platzer B, Jörgl A, Höcher B, Strobl H.

**18.05 - 18.15**

**\*\*\* coffee break \*\*\***

**18.15 - 19.45 Klaus Goertler Prize Winners 2003 + 2004**

**Annual General Meeting of DGfZ Members**

*Chair: Stöhr - Tárnok (Heidelberg - Leipzig)*

**19.45 - 20.15 Session III: Poster Exhibition**

*Chair: Moustafa – Viergutz (Mainz - Rostock)*

**20.15 - end Reception at the German Cancer Research Center**

*Chair: local organizers (Heidelberg - Mainz - Rostock)*

**9.00 - 10.30 Session IV:    Biomonitoring and Quality Control**

*Chair:                    Bley - Müller (Dresden - Leipzig)*

**Two-stage continuous PHA production: simulation and measurement of polymer distribution within bacterial populations**

ACKERMANN JU.

**Long-term cultivation of *Escherichia coli* using a substrate-limited, high-cell-density membrane bioreactor system**

Keil, C, Müller, S, Szewzyk, U.

**Population dynamics of a bacterial consortium during growth on diesel fuel in saline environments**

Kleinsteuber S, Müller S, Lösche A, Riis V.

**Appropriateness of different heat measurement principles and flow cytometry used to control the continuous synthesis of polyhydroxyalcanoates**

Maskow Th, Müller S, Lösche A, Kemp R.

**10.30 - 10.45**

**\*\*\* coffee break \*\*\***

**10.45 –  
12.30**

**Session V:    Tumor Biology**

*Chair:                    Brockhoff – NN (Regensburg - NN)*

**The Hanseman–Boveri hypothesis on the origin of tumours**

Hardy PA, Zacharias H.

**EGFR coexpression modulates susceptibility to herceptin in HER2/neu overexpressing breast cancer cells**

Diermeier S, Horváth G, Knuechel R, F, Szöllősi J, Brockhoff G.

**High-resolution multiparameter DNA flow cytometric measurements enabling detection of stromal cells and tumor cell subpopulations in paraffin-embedded tissues**

Corver WE, ter Haar NT, Dreef EJ, Miranda NFCC, Prins FA, Jordanova ES, Cornelisse CJ, Jan Fleuren G.

**Simultaneous HER2/neu FISH and fluorescence immuno staining on paraffin-embedded breast cancer tissue sections**

Lottner Ch, Jung R, Schwarz St, Hartmann A, Hofstaedter F, Knuechel R, Brockhoff G.

**Simultaneous measurement of p53 and MDM2 in acute lymphoblastic leukemia cells in response to prednisone**

Ociepa T, Kamienska E, Pawluch L, Urasinski T, Urasinska E.

**12.30 – 13.30**

**\*\*\* lunch \*\*\***

**13.30 - 14.50 Session VI:    Microscopic Imaging**

*Chair:                    Hausmann – Knoch (Freiburg – Rotterdam/Heidelberg)*

**Automated proliferation/apoptosis determination by tissue cytometry in gastrointestinal fresh frozen sections using triple labeling and scanning fluorescent microscopy**

Bocsi J, Sipos F, Ficsor L, Varga V, Molnar B, Tárnok A.

**Immunophenotyping by slide-based cytometry and by flow cytometry are compatible**

Gerstner AOH, Laffers W, Dähnert I, Lenz D, Mittag A, Bootz F, Bocsi J, Tárnok A.

**Small and cheap: Accurate differential blood count with minimal sample volume by laser scanning cytometry (LSC)**

Lenz D, Mittag A, Smith P, Pach S, Tárnok A.

**Two- and threedimensional distribution of nuclei and neurons in brain tissue using laser scanning cytometry (LSC)**

Mittag A, Lenz A, Mosch B, Bocsi J, Arendt Th, Tárnok A.

14.50 – 15.00

\*\*\* coffee break \*\*\*

**15.00 - 16.20 Session VII: Genome Organisation**

*Chair: Rippe – Knoch (Heidelberg –Rotterdam/Heidelberg)*

**Trichostatin A induced histone acetylation causes decondensation of interphase chromatin**

Fejes Tóth K, Knoch TA, Wachsmuth M, Frank M, Stöhr M, Bacher CP, Müller G, Rippe K.

**Genome organization in human cancer: basic principles and clinical implications**

Walch A, Stein S, Hausmann M, Werner M.

**COMBO-FISH: A versatile fluorescence labeling technique of genome regions for high resolution microscopy**

Hausmann M, Finsterle J, Schmitt E, Großmann C, Stein St, Spöri U, Hildenbrand G, Mokhir A, Brunner J, Rapp A, Walch A, Werner M, Krämer R, Cremer Ch.

**Statistical geometrical cytometry**

Schmitt E, Rapp A, Monajembashi Sh, Greulich KO, Hausmann M.

16.20 - 16.30

\*\*\* coffee break \*\*\*

**16.30 – end Session VIII: Guidance through Industrial Tutorials**

*Chair: Local Organizers*

**Saturday October 23 2004**

**9.00 - 11.20 Session IX: Cellular Function and Immuno Phenotyping**

*Chair: Pavlova – Tárnok (Wien - Leipzig)*

**Cell depletion using laser induced, nanoparticle mediated selective cell eradication**

Endl G, Hüttmann G, Ramanzadeh R, Gerdes J.

**Relationship between g-H2AX and Rad51 components of DNA repair in paired radio resistant and radio sensitive tumour cell-lines after irradiation**

Erenpreisa J, Gloushen S, Ivanov A, Cragg MS, Ivanova M, Illidge TM.

**Aptamers as modulators of protein functions and tools for cytomics research**

Henning U.

**Evaluation of in vitro-effects of 50 toxic reference chemicals using an electrical current exclusion assay versus MTT- and NRU- assay**

Lewandoswki B, Schreyögg S, Stäudte A, Lindl T, Glauner B, Schärfe J.

**Flow cytometric characterization of a new monoclonal antibody specific to fetal erythroid cells**

Zimmermann S, Preuß K, Hollmann C, Stachelhaus S.

11.20 - 12.00

\*\*\* break fast and short meal \*\*\*

**12.00 - 13.20 Session X: Progenitor Cells and their Clinical Relevance**

*Chair: Neumüller - Ulrich (Wien - São Paulo)*

**Placenta-derived mesenchymal stem cells (PDSC) and myogenic progenitor cells improve cardiac function**

Pavlova BG, Schlechta B, Neumüller J, Stadelmann S, Jandrositz A, Kittinger C, Bialy J, Bonaros N, Ehrlich M, Huber JC, Preisegger KH, Kocher AA.

**Immunological and ultrastructural characterization of endothelial cell cultures differentiated from human cord blood derived endothelial progenitor cells**

Neumüller J, Neumüller-Guber SE, Vetterlein M, Lipovac M, Mosgöller W, Pavelka M, Huber J.

**Change in cell surface expression of adhesion molecules during differentiation of human cord blood derived endothelial progenitor cells**

Neumüller-Guber SE, Neumüller J, Renz R, Vetterlein M, Lipovac M, Pavelka M, Huber J.

**Kinin B2 receptor function during neuronal differentiation of embryonal P19 cells**

Martins AHB, Majumder P, Faria M, Resende RR, Pesquero JB, Tarnók A, Colli W, Ulrich H.

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