<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.00</td>
<td><strong>Welcome Address and Opening Remarks</strong></td>
</tr>
</tbody>
</table>
| 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, Stempfl Th, Bogdahn U. |
| 15.50 - 16.00 | **coffee break**            |
| 16.00 - 18.05 | **Session II: Stem Cell Biology**  
**Chair:** Frühauf - Lyko (Heidelberg - Heidelberg)  
Chaning 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 Goerttler Prize Winners 2003 + 2004**  
**Annual General Meeting of DGfZ Members**  
**Chair:** Stöhr - Tárnik (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) |
Friday  October  22   2004

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 Hansemann–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

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

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

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

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

Kinin B2 receptor function during neuronal differentiation of embryonal P19 cells

*** finis ***