

## Final Program:

### Thursday October 16 2003

<b>14.00</b>	<b>Welcome Address and Introduction</b>
<b>14.10 - 16.20</b>	<b>Session I: Biomonitoring and Quality Control</b> <i>Chair: Bley - Müller (Dresden - Leipzig)</i>
<b>14.10-14.40</b>	<b>Bringing flow cytometry to the limit: abundance and activity of small aquatic bacteria</b> Julia S. Hofer, Stefan Andreatta, Roland Psenner, and Ruben Sommaruga
<b>14.40-15.00</b>	<b>Characterization of the microbial community structure in activated sludge systems with biological phosphorus elimination by molecular techniques</b> Martin Eschenhagen, Markus Schuppler, and Isolde Röske
<b>15.00-15.20</b>	<b>System-Oriented Modelling of <i>Saccharomyces cerevisiae</i>: Coupling Cell Cycle Progression and Energy Metabolism</b> D. Müller, L. Aguilera-Vázquez, E. Guerrero-Martín and M. Reuss
<b>15.20-15.40</b>	<b>Affinity of single <i>S. cerevisiae</i> cells to 2-NBDglucose under changing substrate concentrations</b> J. Achilles, S. Müller, T. Bley, and W. Babel
<b>15.40-16.00</b>	<b>Monitoring of Biotechnology Processes via Online Flow Cytometry</b> Jost Weber, Jörg Bühner, Wolfgang Göhde, and Thomas Bley
<b>16.00-16.20</b>	<b>Single cell and tissue based microarrays for harmacotoxicological and therapeutical biomonitoring</b> Andrea Robitzki, Andrée Rothermel, Hagen Thielecke
<b>16.20 - 16.30</b>	<b>*** coffee break ***</b>
<b>16.30 - 18.20</b>	<b>Session II: Clinical Applications</b> <i>Chair: Brockhoff - Hemmer (Regensburg - Ulm)</i>
<b>16.30-17.00</b>	<b>Predictive Medicine in Cardiology</b> Tarnok A, Bocsi J, Lenz D, Rahimi K, Valet GK
<b>17.00-17.20</b>	<b>Automated histological evaluation of gastric biopsy specimen using digital slide</b> Levente Ficsor, Béla Molná, Péter Gombás, Zsolt Tulassay
<b>17.20-17.40</b>	<b>Protein-losing enteropathy after Fontan surgery: is assessment of risk patients with immunological data possible?</b> Dominik Lenz, Jörg Hamsch, Peter Schneider, Attila Tarnok
<b>17.40-18.00</b>	<b>Detection of Carcinoma of the upper aerodigestive tract by laser-scanning-cytometry of mucosal swabs</b> Alex Thiele, Andrea Tannapfel, Andreas Gerstner, Attila Tárnok, Friedrich Bootz
<b>18.00-18.20</b>	<b>Towards the Individualization of Systemic Lupus Erythematoses (SLE) Therapy</b> Valet G, Jacobi A, Dörner T

<b>18.20 - 18.30</b>	<b>*** coffee break ***</b>
<b>18.30</b>	<b>Session III: Annual Meeting of the members of the DGfZ</b> <i>Chair: Stöhr (Heidelberg)</i>
<b>19.30</b>	<b>Session IV: Poster Presentation</b> <i>Chair: Moustafa - Viergutz (Mainz - Rostock)</i>
<b>20.30 - finis</b>	<b>Session V : Reception at the German Cancer Research Centre</b> <i>Chair: Local Organizers (Heidelberg)</i>

## **Friday October 17 2003**

<b>9.00 - 11.20</b>	<b>Session VI: Correlative Light and Electron Microscopy</b> <i>Chair: Herrmann - Trendelenburg (Heidelberg)</i>
<b>9.00- 9.30</b>	<b>Improvement of the routine and automated evaluation technique in electron microscopic immunolocalization applications involved in correlative microscopy</b> Luiz Henrique Monteiro-Leal
<b>9.30-10.00</b>	<b>Correlative microscopy of consecutive ultra-thin specimens using reflection contrast light microscopy (RCM), confocal laser scanning light microscopy (CLSM) and electron microscopy (TEM)</b> J.S.Ploem and F.A.Prins
<b>10.00-10.20</b>	<b>Impact of correlative light and electron microscopy in diffusion-limited compartmentalisation of mammalian cell nuclei</b> Karsten Richter, S. Döris, Peter Lichter
<b>10.20-10.40</b>	<b>Correlative light and electron microscopy in analysing vascular permeability</b> Paul Debagge
<b>10.40-11.00</b>	<b>Dilemma between recognition and resolution</b> Thomas Bächli
<b>11.00-11.20</b>	<b>Correlative light and electron microscopy</b> Josef Neumüller
<b>11.20 - 12.20</b>	<b>*** lunch ***</b>
<b>12.20 - 12.30</b>	<b>*** coffee break ***</b>
<b>12.30 - 15.30</b>	<b>Session VII: Cellular Function and Signalling</b> <i>Chair: Scheffold - Bühring (Berlin - Tübingen)</i>
<b>12.30-13.00</b>	<b>Disturbed apoptosis induction in peripheral mononuclear cells by anti-dsDNA antibodies</b> Ingrid Böhm
<b>13.00-13.30</b>	<b>Continuous Bromodeoxyuridine (BrdU) exposition affects cell cycle progression of human breast and bladder cancer cell lines</b> Brockhoff Gero, Kubbies Manfred, Schmidt-Bruecken Elisabeth, Kunz-Schughart Leoni, Diermeier Simone

<b>13.30-13.50</b>	<b>Predominant T cell activation in mesenteric lymph nodes versus Peyers Patches in response to orally applied proteins</b> Dennis Kirchhoff, Desiree Kunkel, Andreas Radbruch, Dirk Bumann, and Alexander Scheffold
<b>13.50-14.10</b>	<b>Competition for IL-2 is essential for CD4+CD25+ regulatory T cell function</b> Maurus de la Rosa, Sascha Rutz and Alexander Scheffold
<b>14.10-14.30</b>	<b>Inhibitory and stimulatory effects of growth factors and Herceptin on cell proliferation mediated by specific erbB-receptor interaction and activation</b> Diermeier Simone, Schmidt-Bruecken Elisabeth, Knuechel-Clarke Ruth, Hofstaedter Ferdinand, and Brockhoff Gero
<b>14.30-15.00</b>	<b>Changes of p53 expression and rates of proliferation and apoptosis in peripheral blood leukemic cells of children with acute lymphoblastic leukemia in response to glucocorticoids</b> Tomasz Urasinski, Jerzy Grabarek, Elzbieta Urasinska
<b>15.00-15.30</b>	<b>Title will follow</b> Harry Crissman
<b>15.30 - 15.45</b>	<b>*** coffee break ***</b>
<b>15.45 - 17.00</b>	<b>Tutorials 1+4: Proliferation and Cell Death</b> <i>Chair: Viergutz Location: DKFZ-Heidelberg</i> <b>Proliferation and Cell Death</b> <i>Chair: Atzberger Location: EMBL-Heidelberg</i>
<b>17.00 - finis</b>	<b>Tutorial 2: Multi Colour Fluorescence Microscopic Imaging</b> <i>Chair: Wachsmuth Location: LEICA-Mannheim</i>

## **Saturday October 18 2003**

<b>9.30 - finis</b>	<b>Session VIII: Improving Microscopic Techniques and Applications</b> <i>Chair: Hausmann - Langbein (Freiburg - Heidelberg)</i>
<b>9.30- 9.50</b>	<b>Detection of rare nuclei showing DNA-heterogeneity in populations of 50.000 cervical cells, using a high speed Hyperthreaded Scanning and Cell-Analysis program (HSCA)</b> J.S.Ploem and J. Maddison
<b>9.50-10.10</b>	<b>Scanning Fluorescent Microscopy Analysis is Applicable for Absolute and Relative Cell Frequency Determinations</b> József Bocsi, Viktor Sebestyen Varga, Bela Molnar, Ferenc Sipos, Zsolt Tulassay, and Attila Tarnok
<b>10.10-10.30</b>	<b>Scanning Fluorescent Microscopy is an Alternative for Quantitative Fluorescent Cell Analysis</b> Viktor Sebestyen Varga, Jozsef Bocsi, Ferenc Sipos, GaborCsendes, Zsolt Tulassay, and BelaMolnar
<b>10.30-10.50</b>	<b>High-resolution cytometry of the large-scale genome organization during cell differentiation and transformation</b> Kozubek S., Lukasova E., Bartova E., Kozubek M., and Taslerova R
<b>10.50 - 11.30</b>	<b>*** coffee break and breakfast ***</b>

11.30-11.50	<b>„GFP-Walking“: Artificial Construct Conversions Caused by Simultaneous Co-Transfection Analysed by Spatially and Resolved Planeometric Microscopy (SIRPM)</b> Tobias A. Knoch, Felix Bestvater, and Eberhard Spiess	<b>Intensity</b>
11.50-12.10	<b>Design of specific labeling probes for COMBO-FISH</b> Eberhard Schmitt and Michael Hausmann	
12.10-12.30	<b>Investigations of Cell Contacts to Solid Surfaces using TIRF Microscopy</b> G. Pilarczyk, U. Joos, I. Westphal, R. Schmidt, K. Edinger, and C. Duschl	
12.30-12.50	<b>An improved method for determining and correcting glare in a microscope</b> Oleksiy Tsybrovskyy	
12.50-13.10	<b>Title will follow</b> G. Seiler	
	<b>*** FINIS ***</b>	