

**Workshop A**

**Kinases and Phosphatases**

**Thursday, November 8**  
**13.00 - 14.50 h**

**Chair: Burkhardt Schraven, Magdeburg**  
**Jürgen Wienands, Bielefeld**

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13.00 h

**A1 Overview: Kinases and Phosphatases**

Franz-Josef Johannes

Stuttgart

(see also poster P1)

13.20 h

**A2 Herpesvirus saimiri replaces ZAP-70 for CD3 and CD2-mediated T cell activation**

Meinl, E., Derrfuss, T., Pirzer, R., Blank, N., Lengenfelder, D., Fleckenstein, B., Hivroz, C.

Martinsried, Erlangen-Nürnberg, Erlangen, Paris, France

13.35 h

**A3 Mitogen-activated 3p kinase (3pK) is active in the nucleus**

Ludwig, S., Keramas, G., Kilian, K., Rapp, U.R.

Würzburg

13.50 h

**A4 WNK kinases, a novel protein kinase subfamily in multi-cellular organisms**

Verissimo, F., Jordan, P.

Lisbon, Portugal

14.05 h

**A5 Towards a functional phosphoproteome in *B. subtilis***

Madec, E., Levine, A., Obuchowski, M., Vannier, F., Holland, I. B., Seror, S. J.

Orsay, France

14.20 h

**A6 Inducible expression of a constitutively active mutant of MAP kinase kinase (MKK) 7 specifically activates JUN N-terminal protein kinase (JNK), alters expression of at least nine genes, and inhibits cell proliferation**

Wolter, S., Mushinski, J.F., Resch, K., Kracht, M.

Hannover, Bethesda, MD, USA

14.35 h

**A7 Presentation by New England Biolabs GmbH, Frankfurt**

Peter Hornbeck

14.50 h **Coffee Break / Sponsors' Exhibition / Poster Preview**

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**Workshop B**

**Cell Death and Differentiation**

**Thursday, November 8**  
**15.15 - 17.15 h**

**Chair: Dieter Adam, Kiel**  
**Frank-D. Böhmer, Jena**

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15.15 h

**B1 Overview: Cell Death and Differentiation**

Klaus Schulze-Osthoff  
Münster

(see also poster P18)

15.30 h

**B2 Negative regulation of K562 cells erythroid differentiation by PI3K  $\gamma$**

Liu, Y.T., Bondeva, T., Müller, A., Häfer, R., Zintl, F., Wetzker, R.  
Jena

15.45 h

**B3 Ras mediated activation of ERK by cisplatin induces either cell death or survival dependent on the p53 status**

Wössmann, W., Schwalm, S., Chen, X., Borkhardt, A.  
Giessen, Georgia, USA

16.00 h

**B4 Staurosporine activates the mitochondrial death pathway by a mechanism distinct from conventional anticancer drugs**

Lauber, K., Stepczynska, A., Engels, I.H., Janssen, O., Klaus Schulze-Osthoff, K.,  
Wesselborg, S.  
Tübingen, Kiel, Münster

16.15 h

**B5 Mitochondrial-dependent caspase-9 activation is necessary for antigen receptor-mediated effector caspase activation and apoptosis in WEHI 231 lymphoma cells.**

Herold, M.J., Kuss, A.W., Berberich, I.  
Würzburg

16.30 h

**B6 C/EBP $\beta$  induces differentiation in T cells**

Berberich-Siebelt, F., Berberich, I., Klein-Hessling, S., Santner-Nanan, B., Schimpl, A., Serfling, E.  
Würzburg

16.45 h

**B7 Extracellular NAD induces rapid apoptosis of peripheral T cells via ART2-mediated ADP-ribosylation of cell surface proteins**

Haag, F., Ohlrogge, W., Welge, V., Adriouch, S., Seman, M., Koch-Nolte, F.  
Hamburg, Paris, France

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17.00 h

**B8 From the membrane to the nucleus - Analyzing signal transduction pathways with phosphorylation site specific monoclonal antibodies**

Heinz Hoschützky, Fritz, S., Riedel, J., Herr, G., Schuessler, P.

**nanoTools Antikörpertechnik GmbH & Co. KG, Teningen**

17.15 h **Coffee Break / Sponsors' Exhibition / Poster Preview**

17.40 h

**Poster Presentation I  
one minute - one transparency  
posters P1 – P55**

**Chair: Gaby-Fleur Böhl, Potsdam-Rehbrücke**

18.30 h **Poster Viewing (P1 – P55) / Sponsors' Exhibition**

20.00 h **Dinner**

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**Workshop C**

**Cytokines, Chemokines and their Receptors**

**Friday, November 9**  
**08.15 – 10.05 h**

**Chair: Dieter Kabelitz, Kiel**  
**Michael U. Martin, Hannover**

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08.30 h

**C1** **Overview:** Friedhelm Diel  
Fulda

(see also Poster P30)

08.50 h

**C2** **Identification of CD95Ligand-interacting proteins by 2D gel electrophoresis**  
Ghadimi, M., Sanzenbacher, R., Wenzel, J., Thiede, B., Janssen, O.  
Kiel, Berlin

09.05 h

**C3** **The neurotrophic factor GDNF induces chemotaxis of human pancreatic carcinoma cells via multiple signal transduction pathways**  
Giehl, K., Veit, C., Mansard, A., Engst, A., Gierschik, P.  
Ulm

09.20 h

**C4** **Effect of various type I receptors from the transforming growth factor- $\beta$  receptor superfamily on extracellular matrix gene expression in pancreatic carcinoma cells**  
Ungefroren, H., Lenschow, W., Chen, W., Clement, J., Maacke, H., Kalthoff, H.  
Kiel, Jena

09.35 h

**C5** **Analysis of TRADD and TNF-Receptor signalling complex formation**  
Henkler, F., Fotin-Mleczek, M., Scheurich, P., Wajant, H.  
Stuttgart

09.50 h

**C6** **Analysis of complex patterns of protein phosphorylation in normal and disease states**  
Eric Schaefer, Zorn, L., Jiang, D., Li, M., Devlin, T., Wang, J., Burns, F.,  
Reagan, K., Ilic, D., Sabe, H., Sussman, M.  
**BioSource International**  
Hopkinton, Camarillo, San Francisco, USA, Osaka, Japan, Cincinnati, OH, USA

10.05 h **Coffee Break / Sponsors' Exhibition / Poster Preview**

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**Workshop D**

**Signal Transduction Through G-Proteins**

**Friday, November 9**  
**10.30 - 12.20 h**

**Chair: Bernd Nürnberg, Ulm**  
**Ernst J. M. Helmreich, Würzburg**

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10.30 h

**D1 Overview: Signal Transduction Through G-Proteins**

Ignacio Rubio  
Jena

(see also Poster P48)

11.50 h

**D2 MAPK-mediated signal transduction for mating, filamentous growth and osmotolerance in yeast *Saccharomyces cerevisiae***

Ramezani-Rad, M.  
Düsseldorf

11.05 h

**D3 Functional characterization of a *Dictyostelium* Rho-GTPase dissociation inhibitor**

Dislich, H., Meyer, A.K., Adam, N., Illenberger, D., Rivero, F.  
Köln, Ulm

11.20 h

**D4 NPY-receptor interaction by FRET-techniques: Novel insights in ligand structure and receptor dimerization**

Beck-Sickinger, A.G., Bettio, A., Dinger, M.  
Leipzig

11.35 h

**D5 Dual role of the actin cytoskeleton in the regulation of CTGF gene expression**

Iwanciw, D., Heusinger-Ribeiro, J., Goppelt-Strübe, M.  
Erlangen

11.50 h

**D6 Opioidreceptors type-selectively cointernalize with G protein-coupled receptor kinases 2 and 3**

Schulz, R., Wehmeyer, A., Schulz, K.  
München

12.05 h **Lunch Break / Sponsors' Exhibition / Poster Preview**

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13.15 - 14.00 h

**General Assembly of the STS (see page 9 for Agenda)**

**Workshop E**

**Signal Transduction and Cancer (Part 1)**

**Friday, November 9**  
**14.00 - 15.35 h**

**Chair: Reinhard Wetzker, Jena**  
**Ottmar Janssen, Kiel**

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14.00 h

**E1 Overview: Signal Transduction and Cancer**

Stephan M. Feller  
Oxford, UK

(see also Poster P58)

14.20 h

**E2 Target genes of the Jun oncoprotein with transforming activity**

Hartl, M., Bader, A.G., Reiter, F., Schneider, M.L., Bister, K.  
Innsbruck, Austria

14.35 h

**E3 Stress-hormones have different influence on the migration of colon carcinoma and immunocompetent cells**

Entschladen, F., Masur, K., Niggemann, B., Zänker, K. S.  
Witten

14.50 h

**E4 Activation of the SMAD-signaling pathway modulates the biological properties of breast cancer cell lines**

Wölfli, S., Odyvanova, L., Geyer, A., Frenzel, T., Kühnemund, A., Lichtenberg, M., Hortschansky, P., Clement, J.H.  
Jena

15.05 h

**E5 Role of casein kinase 1 (CK1) isoforms delta and epsilon and p53 in regulating centrosome specific functions**

Knippschild, U., Stoeter, M., Deppert, W., Behrend, L.  
Hamburg

15.20 h

**E6 CrystalPure™. Supply of high-quality protein reagents.**

Andrew Paterson  
**Upstate Discovery Ltd. Dundee, UK**  
Presentation by Biomol Feinchemikalien GmbH, Hamburg

15:35 h **Coffee Break / Sponsors' Exhibition / Poster Preview**

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**Workshop E**

**Signal Transduction and Cancer (Part 2)**

**Friday, November 9**  
**16.00 - 17.30 h**

**Chair: Oliver Ullrich, Berlin**  
**Ralf Sanzenbacher, Langen**

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16.00 h

**E7 Divergence of TGF- $\beta$  signaling in activated hepatic stellate cells downstream from Smad2 phosphorylation**

Berg, F., Delvoux, B., Gao, C.F., Westhoff, J.H., Breitkopf, K., Gressner, A.M.,  
Dooley, S.  
Aachen, Shanghai, China

16.15 h

**E8 Isolation and identification of TNF-Receptor Associated Factor 2 (TRAF2) associated proteins potentially involved in the anti-apoptotic effect of TRAF2 or its regulation**

Carpentier, I., Beyaert, R.  
Gent – Belgium

16.30 h

**E9 Modulation of STAT3 dependent gene transcription through the PI 3-Kinase / Akt pathway: Evidence for interaction between the transcription factors FKHR and STAT3**

Barthel, A., Kortylewski, M., Krüger, K.-D., Axer, H., Feld, F., Roth, R.A., Heinrich, P.C., Behrmann, I., Joost, H.-G.  
Aachen, Stanford, USA

16.45 h

**E10 Lysosphingomyelin stimulates reorganization of the cytokeratin cytoskeleton in epithelial cancer cells**

Seufferlein, T., Beil, M., Gern, U., Adler, G.  
Ulm

17.00 h

**E11 New, Web-enabled tools for studying proteomic pathways**

Jörg Homfeld  
**BioCarta Europe, Hamburg**

17.15 h **Coffee Break / Sponsors' Exhibition / Poster Preview (P56 – P110)**

17.40 h

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**Poster Presentation II**  
**one minute - one transparency**  
**posters P56 – P110**

**Chair: Karlheinz Friedrich, Jena**

18.30 h **Poster Viewing (P56 – P110) / Sponsors' Exhibition**

20.00 h **Dinner**

**Workshop F**

**Interference of Pharmaceuticals and Xenobiotics with Signal Transduction**

**Saturday, November 10  
08.30 - 10.05 h**

**Chair: Barry Holland, Orsay, France  
Margarete Goppelt-Strübe,  
Erlangen**

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08.30 h

**F1 Overview: Interference of Pharmaceuticals and Xenobiotics with Signal Transduction**

Harald F. Krug  
Karlsruhe

(see also Poster P79)

08.50 h

**F2 Interference of the carcinogen cadmium with cellular signaling**

Beyersmann, D.  
Bremen

09.05 h

**F3 Hyperosmotic stress induces phosphorylation of cytosolic phospholipase A2 in HaCaT cells by an epidermal growth factor receptor-mediated process**

Kaszkin, M., Rodriguez, I., Holloschi, A., Kabsch, K., Marquez, M.M., Mao, X., Alonso, A.  
Heidelberg, Frankfurt/Main, Mannheim

09.20 h

**F4 PTP antagonizing K vitamin analogs: a new class of growth inhibitor**

Kar, S., Wang, Z., Wang, M., Adachi, T., Wilcox, C.S., Lazo, J.S., Carr, B.I.  
Pittsburgh, USA

09.35 h

**F5 Screening for Interferon-agonists and Interferon-antagonists in marine organisms**

Busche, A., Zakaria, H., Otto, B.  
Hannover

09.50 h

**F6 Evidence for the involvement of distinct species of detergent-insoluble glycolipid-enriched raft domains in cross-talk to the insulin signaling cascade by various insulin-mimetic stimuli in rat adipocytes**

Guenter Mueller, Hanekop, N., Wied, S., Tennagels, N., Frick W.  
Aventis Pharma, Frankfurt

10.05 h **Coffee Break / Sponsor's Exhibition**

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**Workshop G**

**Control of Transcription**

**Saturday, November 10**  
**10.30 - 12.20 h**

**Chair: Ralf Hass, Hannover**  
**Edgar Serfling, Würzburg**

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10.30 h

**G1 Overview: Control of Transcription**

Michael Naumann  
Berlin

(see also Poster P85)

10.50 h

**G2 Activation of the p38 MAP kinase pathway by *Mycobacterium avium*: The role of Toll-like receptor (TLR) 2 and CD14**

Reiling, N., Lien, E., Kirschning, C., Ehlers, S.  
Borstel, Munich, Trondheim, Norway

11.05 h

**G3 Monomeric actin acts as a signalling intermediate regulating SRF-mediated transcription**

Posern, G., Sotiropoulos, A., Treisman, R.  
London, United Kingdom

11.20 h

**G4 Protein Kinase A supports the GATA-3 mediated Activation of Th2-type Lymphokine Genes**

Klein-Hessling, S., Jha, M.K., Satner-Nannan, B., Berberich-Siebelt, F., Schimpl, A., Serfling, E.  
Würzburg

11.35 h

**G5 Involvement of steroid hormone receptor coactivators in IL-4-induced STAT6-mediated transactivation**

Litterst, C.M., Pfitzner, E.  
Frankfurt/Main

11.50 h

**G6 Negative regulation of IL-1 $\beta$  at the level of transcription in macrophages stimulated with lipopolysaccharide**

Nixdorff, K., Schilling, D.  
Darmstadt

12.05 h

**G7 Epstein-Barr Virus and Interleukin-10**

Kube, D., Rieth, H., Mörmann, M., Kremsner, P., Vockerodt, M.  
Tübingen, Köln

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12.20 h

**G8 Technology, applications and future of multiplex fluorescence immunoassay analysis with suspension protein arrays**

Christian Zimmermann

Bio-Rad Laboratories GmbH, München

12.35 h **Concluding Remarks**

12.45 h **Farewell Buffet**

13.30 h **End of Meeting**

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