

**Workshop A**  
**Immune Signaling**

**Monday, 18.10.2010**  
**14:15 – 16:15h**

**Chair: O. Janssen, Kiel**  
**E. Serfling, Würzburg**

14:15h

**A1 Keynote:**  
**Signaling defect in circulating T-cells explains failure to respond to CD28 superagonists and affects T-cell responses in general**  
Hünig T.  
Würzburg

14:45h

**A2 Integrating signals from the T-cell receptor and the interleukin-2 receptor**  
Lindquist J.A., Beyer T., Busse M., Hristov K., Gurbiel S., Smida M., Haus U-U., Niermann K., Pfeuffer F., Weismantel R., Schraven B.  
Magdeburg

15:00h

**A3 Immune modulation by FasL reverse signalling**  
Lückerath K., Melzer I.M., Thalheimer F., Zörnig M.  
Frankfurt

15:15h

**A4 Dose-dependent effects of CD95 coligation on primary human T cell activation**  
Paulsen M., Valentin S., Lavrik I., Krammer P.H., Janssen O.  
Kiel

15:30h

**A5 Using the crowbar on mast cells: ATP-induced release of IL-1 $\beta$  is linked to the disruption of cellular integrity**  
Kuhny M.K., Huber M.H.  
Aachen

15:45h

**A6 Quantitative single cell analysis of transcription factor expression and activation reveals NFATc2 and c-fos as limiting factors for IL-2 production of Th cells**  
Scheel T., Bendfeldt H., Benary M., Frischbutter S., Riemekasten G., Herzel H.-P., Baumgrass R.  
Berlin

16:00h

**A7 Presentation by *tebu-bio* GmbH:  
Rapid generation of stable and targeted cell lines with cGPS  
technology: Application to cell-based assays and protein production  
Wagner S., Cestelli G.  
Offenbach**

**16:15h** Coffee Break / Sponsors' Exhibition / Poster Preview

**STS/CCS Honorary Medal Award Ceremony**

**16:45h**

**Laudatio:**  
Feller S.M.  
Oxford/UK

**17:00h**

**Honorary Award Lecture:  
The evolution of phosphotyrosine and methylarginine signaling  
Pawson T.  
Toronto/CA**

---

**17:45h** Coffee Break / Sponsors' Exhibition / Poster Preview

**18:15h**

Poster Presentation I  
"one minute - one transparency"  
Poster PA1 – PB8

Chair: Joachim Clement, Jena

**18:45h** Poster Viewing (PA1 – PB8) / Sponsors' Exhibition

**20:00h** Dinner

**Workshop B**  
**Drug Discovery and Design I**

**Tuesday, 19.10.2010**  
**08:30 – 10:30h**

**Chair: R. Frank, Braunschweig**  
**J. Rademann, Leipzig**

08:30h

**B1 Keynote:**  
**Drugging cooperative signaling networks - Will it work?**  
Gibson T.  
Heidelberg

09:00h

**B2 Keynote:**  
**Structural Biology and Fragment-Based Approaches to Drug Discovery**  
Blundell T.  
Cambridge/UK

09:30h

**B3 Analysis of the TrkA-mediated survival/proliferation signal in the human mast cell leukemia cell line HMC-1.1: Identification of novel NGF/TrkA target genes**  
Koch A., Dutta P., Schneider H., Dittrich-Breiholz O., Kracht M., Tamura T.  
Hannover

09:45h

**B4 Impact of freezing Plk1 (polo-like kinase 1) by SBE13 on cell cycle in cancer and primary cells**  
Keppner S., Proschak E., Schneider G., Spänkuch B.  
Frankfurt

10:00h

**B5 Targeting signal transduction cascades in disease by novel small molecule nucleocytoplasmic transport inhibitors**  
Fetz V., Knauer S.K., von Kries J.P., Stauber R.H.  
Duisburg-Essen

10:15h

**B6 Presentation by Biozol Diagnostica GmbH/Dualsystems Biotech AG: Systematic mapping of integral membrane protein interactions using the membrane split-ubiquitin system (M-SUS)**  
Lentze N., Faria D., Schreiber R., Amaral M., Kunzelmann K., Auerbach D.  
Schlieren/CH

**10:30h** Coffee Break / Sponsors' Exhibition / Poster Preview

**Workshop B**  
**Drug Discovery and Design II**

**Tuesday, 19.10.2010**  
**11:00 – 12:45h**

**Chair: P. Filippakopoulos Oxford**  
**Karlheinz Friedrich, Jena**

11:00h

**B7**    **Keynote:**  
**Chemical Biology of Stem Cell Modulation**  
Russell A.  
Oxford/UK

11:30h

**B8**    **Keynote:**  
**Rational and combinatorial approaches for the development of selective integrin ligands**  
Kessler H.  
Garching

12:00h

**B9**    **The ubiquitin-conjugase UBCH8 targets active FMS-like tyrosine kinase 3 for proteasomal degradation**  
Krämer O.  
Jena

12:15h

**B10**    **Development of a screening assay for compounds blocking the interaction of the EBV oncoprotein LMP1 with its critical signaling mediator TRAF2**  
Giehler F., Kieser A.  
München

12:30h

**B11**    **Presentation by Merck Biosciences GmbH:**  
**Determining protein localization and exploring signal transduction events by fractionating the cell's proteome**  
Palm D.  
Schwalbach

**12:45h** Lunch Break / Sponsors' Exhibition / Poster Preview

**13:45 - 15:30h**

**General Assembly of the STS**

**15:30h** Coffee Break / Sponsors' Exhibition / Poster Preview

**Workshop C**  
**Tumor Biology**

**Tuesday, 19.10.2010**  
**16:00 – 17:45h**

**Chair: K. Giehl, Gießen**  
**H. Ungefroren, Lübeck**

---

16:00h

**C1** **Keynote:**  
**DNA damage checkpoints in telomere dysfunction induced aging**  
Rudolph K.L.  
Ulm

16:30h

**C2** **Self-organization of intrinsically disordered proteins with folded N-termini: N-terminal folding nucleation (NFN) in normal signaling and cancer**  
Simister P.C., Schaper F., O'Reilly N., McGowan S., Feller S.M.  
Oxford/UK

16:45h

**C3** **LEF1 is a proproliferation factor in Burkitt lymphoma**  
Kube D., Ulrich A., Walther N., von Bonin F., Meyer K., Klapper W., Schrader A., Vockerodt M., Spang R., Pukrop T., Murray P., Trümper L.  
Göttingen

17:00h

**C4** **Tracking non-canonical NF- $\kappa$ B activity induced by the herpesviral oncoprotein Tio**  
de Jong S.J., Albrecht J.-C., Biesinger B.  
Erlangen-Nürnberg

17:15h

**C5** **Opioids and tumour angiogenesis: paracrine signaling mechanism enables opioids to stimulate endothelial cells**  
Blaschke A., Förster C.Y., Eisinger D.A.  
München

17:30h

**C6** **Presentation by Keyence Deutschland GmbH: Digital Fluorescence Microscopy**  
Neumann T.  
Neu-Isenburg

**17:45h** Coffee Break / Sponsors' Exhibition / Poster Preview

---

**18:15h**

Poster Presentation II  
"one minute - one transparency"  
Poster PB9 – PE1

Chair: Frank Entschladen, Witten

**18:45h** Poster Viewing (PB9 – PE1) / Sponsors' Exhibition

**20:00h** Dinner and Party

**Workshop B**

**Drug Discovery and Design III**

**Wednesday, 20.10.2010**  
**08:30 – 10:30h**

**Chair: H. Daub, Martinsried**  
**G. Posern, München**

08:30h

**B12 Keynote:**  
**Can we reverse or attenuate chromatin modifications to deliver superior therapeutics for chronic diseases?**  
Bountra C.  
Oxford/UK

09:00h

**B13 High content analysis of living cells to identify and characterize the cytotoxicity of bacterial extracts**  
Jensen N., Gerth K., Niehaus K.  
Bielefeld

09:15h

**B14 Inhibiting bromodomains? All BETs are OFF!**  
Filippakopoulos P., Qi J., Picaud S., Shen Y., Fedorov O., Morse E.M., Keates T., Kung A.L., Wiest O., French C.A., Bradner J.E., Knapp S.  
Oxford/UK

09:30h

**B15 Rational design of functionally selective ligands for the dopamine D2 receptor**  
Tschammer N., Bollinger S., Gmeiner P.  
Erlangen-Nürnberg

09:45h

**B16 Biomimetic screening of class B G-protein coupled receptors**  
Devigny C., Perez-Balderas F., Hoogeland B., Wachtel R., Mauch C., Webb K., Deussing J., Hausch F.  
München

10:00h

**B17 Development and biological effects of specific inhibitors of SHP-2 protein tyrosine phosphatase**  
Rademann J., Grosskopf S., Eckert C., von Kries J.P., Birchmeier W.  
Leipzig

10:15h

**B18 Presentation by Thermo Scientific/Perbio Science Deutschland GmbH: Using electrophoretic mobility shift assay (REMSA) for detecting RNA-binding proteins by a non-radioactive method**  
Tremmel M.  
Bonn

**10:30h** Coffee Break / Sponsors' Exhibition / Poster Preview

**Workshop D**

**Cell Differentiation and Death**

**Wednesday, 20.10.2010**

**11:00 – 12:45h**

**Chair: D. Adam, Kiel**

**R. Hass, Hannover**

---

11:00h

**D1 Keynote:**  
**Epigenetic Control of Foxp3 Expression: the Key to a Stable Regulatory T-cell Lineage ?**  
Hühn J.  
Braunschweig

11:30h

**D2 MALfunction on proliferation and non-invasive cell migration**  
Posern G., Leitner L., Descot A., Shaposhnikov D.  
München

11:45h

**D3 Induction of the ER stress signalling pathway by nelfinavir in human cancer cells**  
Brüning A.  
München

12:00h

**D4 NFATc1 determines the fate of splenic B cells upon B cell receptor stimulation by controlling the Ca<sup>++</sup>/calcineurin signal cascade**  
Bhattacharyya S., Deb J., Patra A.K., Vaeth M., Berberich-Siebelt F., Klein-Hessling S., Nitschke L., Brunner C., Bommhardt U., Mueller M., Avots A., Serfling E.  
Würzburg

12:15h

**D5 The dissociation activation model of B cell antigen receptor triggering**  
Yang J., Infantino S., Benz B., Reth M.  
Freiburg

12:30h

**D6 Presentation by HiSS Diagnostics GmbH: Dedicated to Imagination**  
Klopfer G., Gregor N., Janocha B.  
Freiburg

**12:45h** Lunch Break / Sponsors' Exhibition / Poster Preview

---

**Workshop E**  
**Pathogens and Disease**

**Wednesday, 20.10.2010**  
**13:45 – 15:30h**

**Chair: A. Kieser, München**  
**S. Wessler, Salzburg**

13:45h

**E1 Keynote:**  
**Recognition of danger and pathogens by inflammasomes**  
Latz E.  
Bonn

14:15h

**E2 Pasteurella multocida toxin: osteoclastogenesis and immune evasion**  
Hildebrand D., Heeg K., Kubatzky K.F.  
Heidelberg

14:30h

**E3 The viral Tax oncoprotein of HTLV-1 strongly induces the tumour marker Fascin depending on NF- $\kappa$ B**  
Kress A.K., Kalmer M., Grassmann R., Fleckenstein B.  
Erlangen-Nürnberg

14:45h

**E4 The Epstein-Barr Virus oncogene LMP1 induces a dynamic signalling complex of the germinal center kinase TNIK with TRAF6, TAK1 and TAB2**  
Town J., Shkoda A., Griese J., Kieser A.  
München

15:00h

**E5 Helicobacter pylori HtrA is a new secreted virulence factor that cleaves E-cadherin to disrupt intercellular adhesion**  
Hoy B., Löwer M., Backert S., Schneider G., Wessler S.  
Salzburg/A

15:15h

**E6 Presentation by New England BioLabs GmbH/ Cell Signaling Technology:**  
**Proteomics of Post-Translational Modifications**  
Herlihy J.D., Bunker C.  
Leiden/NL

**15:30h** Coffee Break / Sponsors' Exhibition / Poster Preview

**Workshop F**

**Growth Factors, Cytokines and Chemokines**

**Wednesday, 20.10.2010**  
**16:00 – 17:45h**

**Chair: I. Behrmann, Luxembourg**  
**G. Müller-Newen, Aachen**

16:00h

**F1 Keynote:**  
**Molecular basis for pro- and anti-inflammatory activities of cytokines**  
Rose-John S.  
Kiel

16:30h

**F2 Glucocorticoids increase interleukin-6 dependent gene induction by interfering with the expression of the feedback inhibitor SOCS3**  
Khoury C., Dittrich A., Sackett S.D., Ehltling C., Albrecht U., Bode J.G., Trautwein C., Schaper F.  
Aachen

16:45h

**F3 Oncostatin M up-regulates the ER chaperone Grp78/BiP in liver cells.**  
Vollmer S., Haan C., Behrmann I.  
Luxemburg/L

17:00h

**F4 Role for the MIF-N-loop in MIF/CXCR-driven atherogenic leukocyte recruitment: A structural basis for drug discovery**  
Kraemer S., Lue H., Zernecke A., Kapurniotu A., Frank R., Weber C., Bernhagen J.  
Aachen

17:15h

**F5 BMP-signalling in circulating epithelial tumor cells**  
Bähring F., Wagner K., Müller U., Kilper R., Hochhaus A., Clement J.H.  
Jena

17:30h

**F6 KSHV-encoded vIRF-3 downregulates MHC II by repressing IFN $\gamma$**   
Schmidt K., Wies E., Neipel F.  
Erlangen-Nürnberg

**17:45h** Lunch Break / Sponsors' Exhibition / Poster Preview

**18:15h**

Poster Presentation III  
"one minute - one transparency"  
Poster PF1 – PJ6

Chair: Ria Baumgrass, Berlin

**18:45h** Poster Viewing (PF1- PJ6) / Sponsors' Exhibition

**20:00h** Dinner and Award Ceremony