

Poster Presentation

Short Oral Poster Presentations
("one minute - one transparency")

Poster PA1 – PB8

Monday, 18.10.2010, 18:15 – 18:45

Chair:
Joachim Clement, Jena

Poster PB9 – PE1

Tuesday, 19.10.2010, 18:15 – 18:45

Chair:
Frank Entschladen, Witten

Poster PF1 – PJ6

Wednesday, 20.10.2010, 18:15 – 18:45

Chair:
Ria Baumgrass, Berlin

Poster Presentation I – Poster PA1 – PB8

Monday, 18.10.2010, 18:15 – 18:45

**Chair:
Joachim Clement, Jena**

Immune Signaling

- PA1 Cyclin-dependent kinase 6 co-localizes and interacts with p65 NF- κ B to regulate inflammatory genes**
Beuerlein K., Müller H., Weber A., Handschick K., Schneider H., Dittrich-Breiholz O., Kracht M.
Gießen
- PA2 Identification of Swiprosin-1/EFhd2 binding proteins**
Brachs S., Hagen S., Urlaub H., Mielenz D.
Erlangen-Nürnberg
- PA3 The ADAP/SKAP55-module controls T-cell adhesion and migration through affinity/avidity regulation of LFA-1**
Degen J., Wang X., Patzak I., Meineke B., Moser M., Reinhold A., Kiefer F., Freund C., Schraven B., Kliche S.
Magdeburg
- PA4 Characterization of the *Drosophila* proteins Domeless and Upd3, possible orthologues of gp130 and IL-6**
Kieper J., Lorenzen I., Grötzinger J.
Kiel
- PA5 CD152 mediates migration of Th1 lymphocytes via Akt activation**
Knieke K., Chamaon K., Jorch G., Brunner-Weinzierl M.C.
Magdeburg
- PA6 How does TGIF modulate TGF- β signaling during Treg cell induction?**
Krüger M., Menning A., Baumgrass R.
Berlin

- PA7 Protein interactions of individual SH2 and SH3 domains of the adapter protein Nck in T lymphocytes**
Lettau M., Gerneth A., Gelhaus C., Janssen O.
Kiel
- PA8 Regulation of TLR-Expression through the haematopoietic GTPase RhoH**
Metzdorf D., Heeg K., Kubatzky K.F.
Heidelberg
- PA9 TLR2 dependent abrogation of the $\gamma\delta$ T cell mediated suppression correlates with an enhanced Akt phosphorylation**
Peters C., Oberg H.H., Marischen L., Kabelitz D., Wesch D.
Kiel
- PA10 PAG/Cbp suppression reveals a novel contribution of CTLA-4 to setting the activation threshold in T cells**
Smida M., Suchanek M., Schraven B., Lindquist J.A.
Magedburg
- PA11 SYCAMORE- A web-based integrating systems biology's workbench**
Stein M., Weidemann A., Richter S., Berynskyy M., Gauges R., Wade R.C., Kummer U.
Magdeburg
- PA12 Dissecting signaling mechanisms of Thymic Stromal Lymphopoietin (TSLP) by comparative analysis of human and murine receptor systems**
Wohlmann A., Borowski A., Sebastian K., Krause S., Friedrich K.
Jena
- PA13 TAK1- and p38 MAPK-dependent phosphorylation sites in TAK1-binding protein (TAB)-1 are involved in translational control of gene expression**
Wolf A., Beuerlein K., Eckart C., Weiser H., Dickopf B., Dörrie A., Holtmann H., Kracht M.
Gießen

Drug Discovery and Design

- PB1 Cross-talk and feedback loops between Wnt/ β -Catenin and hedgehog signalling**
Aleithe S., Schmidt-Heck W., Matz-Soja M., Hovhannisyan A., Zellmer S., Guthke R., Gebhardt R.
Leipzig

- PB2 Identification of a Grb2 binding domain in the N-terminal region of the Inositol 5-Phosphatase SHIP1**
Brauer H., Hünemörder S., Chaskas N., Feller S.M., Jücker M.
Hamburg
- PB3 Phosphorylated ribosomal protein S6: a novel biomarker for therapeutic drug monitoring of mTOR-inhibitors**
Dieterlen M.T., Klein S., Eberhardt K., Bittner H.B., Dhein S., Mohr F.W., Barten M.J.
Leipzig
- PB4 CKII-dependent phosphorylation of occludin attenuates its interaction with ZO-2 and regulates tight junction integrity**
Doerfel M.J., Westphal J.K., Krug S.M., Fromm M., Huber O.
Jena
- PB5 A glycosylated recombinant EMMPRIN domain as a tool for the investigation of tumor-stroma-signaling**
Knutti N., Jennek S., Friedrich KH.
Jena
- PB6 The structure of the unliganded extracellular domain of the interleukin-6 signal transducer gp130 in solution**
Lorenzen I., Shang W., Perbandt M., Svergun D.I., Waetzig G.H., Rose-John S., Hilgenfeld R., Grötzinger J.
Kiel
- PB7 Role of PI3Kgamma in Desensitization of μ -opioid receptor**
Madishetti S., Gavrilova-Ruch O., Koenig CHRISTIAN, Rubio I., Bauer R., Heinemann S., Schulz S., Wetzker R.
Jena
- PB8 Displace Aptamers with small molecules -inhibition of the guanine nucleotide exchange factor Tiam1**
Niebel B., Mayer G., Famulok M.
Bonn

Poster Presentation II – Poster PB9 – PE1

Tuesday, 19.10.2010, 18:00 – 18:45

**Chair:
Frank Entschladen, Witten**

Drug Discovery and Design

- PB9 Phosphorylation on serine 774 of the Neural Cell Adhesion Molecule (NCAM) is crucial for CREB activation and neurite outgrowth**
Pollscheit J., Horstkorte R., Bork K.
Halle/Saale
- PB10 A myxobacterial compound as inhibitor of Interleukin-8 expression**
Reboll M., Ritter B., Sasse F., Frank R., Nourbakhsh M.
Braunschweig
- PB11 Receptor fusion proteins for the inhibition of cytokines of the IL-6-family**
Schwache D., Brolund L., Küster A., Müller-Newen G.
Aachen
- PB12 Born 2B wildtype - importance of selected amino acids responsible for ligand recognition by the human adenosine A_{2B} receptor**
Thimm D.T., Schiedel A.C., Hochheiser K., Hinz S., Sherbiny F.F., Maaß A.,
Müller C.E.
Bonn
- PB13 Lymphotoxin β receptor antagonizes adipogenesis via the NF κ B transcription factor RelB**
Weidemann A., Lovas A., Weih D., Weih F.
Jena

Tumor Biology

- PC1 Further insights into the inhibition of TCF- β -catenin mediated transcription by Fhit**
Albring K.F., Huber O.
Jena
- PC2 Profiling of signalling protein expression and activities in squamous carcinomas of head and neck to identify novel candidates for molecularly targeted therapies**
Doondeea J., Ehsanian R., Janning M., Wu Z., Grenman R., Gollin S.M., Eccles S.A., van Waes C., Taylor S., McGowan S.J., Kuester B., Feller S.M.
Oxford
- PC3 Complex expression control of MMP-1 in colorectal carcinoma by joint activities of transcription factors STAT3 and AP-1**
Gasch J., Müller A., Zugowski C., Lieder F., Albring K., Friedrich K.H.
Jena
- PC4 SOS regulation by the membrane-actin linker protein ezrin**
Geißler K.J., Sperka T., Morrison H.
Jena
- PC5 Cell transformation by FMS-like tyrosine kinase 3 (FLT3)-ITD in Acute Myeloid Leukemia involves oxidative inactivation of the tumor suppressor protein-tyrosine phosphatase DEP-1/ PTPRJ**
Godfrey R., Arora D., Bauer R., Stopp S., Müller J.P., Herrlich P., Scholl S., Böhmer F.D.
Jena
- PC6 Distinct functional roles of Akt isoforms for proliferation, survival and migration of disseminated tumor cells from a patient with non-small cell lung cancer**
Grabinski N., Grupp K., Pantel K., Brandt B., Jücker M.
Hamburg
- PC7 Tumor-associated fibroblasts enhance migration and invasiveness of bladder carcinoma cells**
Grimm S., Junker K., Berndt A., Friedrich KH.
Jena
- PC8 T cell growth transformation by γ 2 -Herpesviruses: functional comparison of their oncoproteins**
Katsch K., de Jong S.J., Biesinger-Zwosta B.
Erlangen-Nürnberg

- PC9 Protein changes upon down-regulation of the cancer/testis antigen 45 (CT45) in L428 Hodgkin's lymphoma cells**
Koop A., Schmidt H., Nebendahl M., Gelhaus C., Leippe M., Janssen O., Heidebrecht H.-J.
Kiel
- PC10 The Rosetta-Stone hypothesis: revealing putative functions to uncharacterized proteins**
Mittag S., Huber O.
Jena
- PC11 Aberrant expression of the protooncogene c-Myc in normal human germinal centre B cells triggers a tumor like expression pattern that is expressed in Burkitt lymphomas but also some DLBCL**
Schrader A., Bentink S., Spang R., Lenze D., Hummel M., Kuo M., Arrand J., Murray P., Trümper L., Kube D., Vockerodt M.
Göttingen
- PC12 Rac1b in pancreatic ductal adenocarcinoma cells: Differential roles in TGF- β 1-induced growth arrest and cell motility**
Ungefroren H., Groth S., Sebens S., Gieseler F., Fändrich F.
Lübeck

Cell Differentiation and Death

- PD1 Ubiquitin conjugase UBC8 targets active FLT3 tyrosine kinase for proteasomal degradation**
Buchwald M., Pietschmann K., Müller J., Böhmer F.D., Heinzel T., Krämer O.H.
Jena
- PD2 Identification of interaction partners for ADAM10**
Oberdoerster H., Lettau M., Gelhaus C., Janssen O.
Kiel
- PD3 The Polycomb group protein EED couples TNF receptor 1 to neutral sphingomyelinase**
Puchert M., Philipp S., Adam-Klages S., Tchikov V., Winoto-Morbach S., Mathieu S., Deerberg A., Kolker L., Kabelitz D., Schütze S., Adam D.
Kiel

Pathogens and Disease

- PE1** **Temperature-induced released proteins of *Leishmania mexicana* alter host macrophage signalling and function**
Hassani K., Antoniak E., Jardim A., Olivier M.
Monteal/CAN

Poster Presentation III – Poster PF1 – PJ6

Wednesday, 20.10.2010, 18:15 – 18:45

**Chair:
Ria Baumgrass, Berlin**

Growth Factors, Cytokines and Chemokines

- PF1 Flotillin-1 is necessary for activation of the EGF receptor/MAP kinase signaling in rafts**
Amaddii M., Banning A., Meister M., Tomasovic A., Tikkanen R.
Gießen
- PF2 The receptor tyrosine kinase c-Kit controls IL-33 receptor signaling in mast cells**
Drube S., Heink S., Walter S., Löhn T., Grusser M., Gerbaulet A., Berod L., Schons J., Dudeck A., Freitag J., Grotha S., Kamradt T.
Jena
- PF3 A novel way of IL-1 β induction and activation in macrophages by *Pasteurella multocida* toxin**
Hildebrand D., Heeg K., Kubatzky K.F.
Heidelberg
- PF4 Shaping the microenvironment of umbilical cord-derived mesenchymal stem cell-like cells for bone tissue engineering**
Kasper C., Hatlapatka T., Lavrentieva A., Marquardt N., Jacobs R., Hass R.
Hannover
- PF5 HDAC3 is required for IL-1-induced gene expression**
Kettner-Buhrow D., Schröder L.M., Newel D., Kronich P., Müller H., Soelch J., Schneider H., Dittrich-Breiholz O., Weber A., Wittwer T., Schmitz L., Kracht M.
Gießen
- PF6 Recruitment and activation of STAT proteins by the type I interferon receptor**
Löchte S., Wilmes S., Gupta A., Roder F., Beutel O., You C., Richter C., Piehler J.
Osnabrück

- PF7 Interferon alpha-functionalized micro- & nanoparticles**
Pollok S., Ginter T., Günzel K., Brandt C., Pieper J., Müller R., Krämer O.,
Reichardt W.
Jena
- PF8 JNK-dependent phosphorylation of DCP1 α at S315 defines a novel posttranscriptional pathway**
Rzeczkowski K., Beuerlein K., Müller H., Weber A., Schneider H., Dittrich-
Breiholz O., Kracht M.
Gießen
- PF9 The macrophage response to Wnt3a and Wnt5a: Differential modulation of mycobacteria-induced inflammation**
Schaale K., Neumann J., Schneider D., Ehlers S., Reiling N.
Borstel
- PF10 Dynamics of the Type I interferon receptor assembly in the plasma membrane**
Wilmes S., Löchte S., Beutel O., You C., Richter C., Reinersmann J.,
Piehler J.
Osnabrück

Migration, Adhesion and Intracellular Signaling

- PG1 Acetylation impairs activation of STAT1**
Ginter T., Knauer S.K., Reichardt S., Stauber R.H., Heller R., Henke A.,
Heinzel T., Reichardt W., Krämer O.H.
Jena
- PG2 Biological activity of tocopherol metabolites with a special focus on iNOS**
Wallert M., Mosig S., Rennert K., Lorkowski S., Birringer M.
Jena
- PG3 A fluorescence polarization-based screening to identify small molecules that inhibit the Arf6-effector interaction**
Weiche B., Famulok M.
Bonn

Signaling in Non-Mammalian Organisms

- PH1** **Molecular characterisation of the defensome of *Hydra***
Schoenbeck B.J., Augustin R., Bosch T.C.G.
 Kiel

Complex Signaling Systems and Mathematical Models

- PI1** **Functional decisions at the switchpoint of Hedgehog signalling – novel interactions among the Gli factors and with the Wnt/ β -catenin pathway**
Matz-Soja M., Gebhardt R.
 Leipzig
- PI2** **A logical model of the canonical interleukin(IL)-1 pathway**
Weber A., Poltz R., Kettner-Buhrow D., Newel D., Naumann M., Kracht M.
 Gießen

New Methods and Miscellaneous

- PJ1** **Imaging lymphatics with a variety of near-infrared-labeled optical agents**
 Kovar J.L., Wang Y.Y., Simpson M.A., Olive D.M., Englisch U.U.
 Bad Homburg
- PJ2** **Prolonged starvation as a risk factor of iron accumulation in the liver**
Hovhannisyan A.S., Gebhardt R.
 Leipzig
- PJ3** **Designer antimicrobial proteins - Human beta-defensin 2 and beta-defensin 3 chimeric proteins reveal the structural basis of the pathogen specificity of their parent molecules**
Jung S., Mysliwy J., Spudy B., Lorenzen I., Gelhaus C., Podschun R., Leippe M., Grötzinger J.
 Kiel
- PJ4** **The E3 ligase Mdm2 ubiquitinates several proteins of the 19S regulatory complex of the proteasome**
 Letienne J.L., Blattner C.B.
 Karlsruhe

- PJ5 Theromacin from the Leech - Structure of a further member of the Macin protein family**
Mohr M., Jung S., Sönnichsen F., Tasiemski A., Leippe M., Grötzinger J.
Kiel
- PJ6 Regulation of IL-6 type cytokine signaling by internalisation of the common receptor subunit gp130**
Radtke S., Mais C., Yang X., Schaper F., Hermanns H.
Würzburg