

## Poster Presentation - Poster PA1 – PD14

Thursday, November 4, 17.30 - 18.15 h

Chair:

Kerstin Lang, Witten  
Oliver Ullrich, Magdeburg

### Disease and Therapy

- PA1 Atorvastatin induces T cell anergy via phosphorylation of the extracellular signal-related kinase 1 (Erk1)**  
Waiczies, S., Prozorovski, T., Infante-Duarte, C., Aktas, O., Ullrich, O., Zipp, F.  
Berlin, Magdeburg
- PA2 Selective interaction between the C-terminus of Neurochondrin and the proximal C-terminus of the Melanin-concentrating hormone receptor 1: Impact on MCH signal transduction and intracellular localization of the receptor**  
Francke, F., Schröder, V., Bächner, D.  
Hamburg
- PA3 Formation of reactive oxygen species and advanced glycation endproducts by fly ash particles in cardiac fibroblasts**  
Gursinsky, T., Ruhs, S., Friess, U., Diabate, S., Krug, H.F., Silber, R.-E., Simm, A.  
Halle, Tübingen, Karlsruhe
- PA4 Reduced proteasomal activity is associated with an accumulation of oxidatively damaged proteins in pre-eclamptic placenta**  
Kirchner, M., Meier, B., Renger, H., Hass, R., Sohn, C.  
Hannover
- PA5 Novel antagonistic antibodies to the human interleukin-13 receptor alpha-1 chain inhibit IL-13-induced cellular responses**  
Krause, S., Behrends, J., Lohrmann, J., Lang, S., Suofu, Y., Knoll, M., Myrtek, D., Virchow, J.C., Luttmann, W., Friedrich, K.  
Jena, Oldenburg, Freiburg, Rostock
- PA6 The anti-influenza viral activity of aspirin involves inhibition of NF- $\kappa$ B dependent expression of proapoptotic factors and block of caspase-mediated viral RNP export**  
Mazur, I., Wurzer, W.J., Ehrhardt, C., Korte, V., Wolff, T., Pleschka, S., Planz, O., Ludwig, S.  
Düsseldorf, Berlin, Giessen, Tübingen
-

- PA7 Invasion of human glioma cells is reduced by inhibition of the PI3K/Akt signaling pathway**  
Rauser, S., Hutzler, P., Mannweiler, E., Schlegel, J.  
München, Neuherberg
- PA8 Activation of cell-differentiation and apoptosis-related signals in monocytes after stimulation with platelet-derived microvesicles: a microarray study**  
Setzer, F., Oberle, V., Blaess, M., Deigner, H., Russwurm, S., Lösche, W., Claus, R.  
Jena
- PA9 STAT3 activation enhances invasive growth of colon carcinoma cells by transcriptional induction of matrix metalloproteinase 1 (MMP-1)**  
Tsareva, S.A., Moriggl, R., Corvinus, F., Pfitzner, E., Wiederanders, B., Schütz, A., Friedrich, K.  
Jena, Frankfurt, Leipzig, Wien/Austria
- PA10 The endogenous cannabinoid anandamide (AEA) protects neurons during CNS inflammation by CB1/2-mediated induction of MKP-1 in microglial cell**  
Eljaschewitsch, E., Witting, A., Mawrin, C., Schneider-Stock, R., Nitsch, R., Ullrich, O.  
Magdeburg, Berlin, Seattle/USA

### Adhesion, Cell Motility and the Cytoskeleton

- PB1 Different receptors mediate the uptake of quartz particles in alveolar macrophages**  
Haberzettl, P., Schins, R.P.F, Duffin, R., Borm, P.J.A, Albrecht, C.  
Düsseldorf
- PB2 Involvement of non-muscle myosin II in the migration of tumor cells and leukocytes within a three-dimensional collagen matrix**  
Bastian, P., Lang, K., Niggemann, B., Zaenker, K. S., Entschladen, F.  
Witten
- PB3 The adaptor protein SKAP-HOM is involved in B cell adhesion**  
Togni, M., Reimann, S., Kliche, S., Simeoni, L., Reinhold, D., Schraven, B.,  
Gerber, A.  
Magdeburg
- PB4 Stress: implications for metastasis development and the immune response**  
Lang, K., Joseph, J., Drell, T.L., Niggemann, B., Zänker, K.S., Entschladen, F.  
Witten
- PB5 Anoikis resistance of murine melanoma cells is controlled by AKT signaling independent of NF $\kappa$ B**  
Forti, F.L, Silva, R.S, Sorrentino, M.M, Lasaitis, C., Machado-Jr, J.  
São Paulo/Brazil
-

- PB6 The EGFR family protein Xmrk (Xiphophorus melanoma receptor kinase) from platyfish is sufficient for the induction of cell migration**  
Meierjohann, S., Wende, E., Wolf, K., Friedl, P., Schartl, M.  
Wuerzburg
- PB7 Rho-dependent signaling in *Dictyostelium discoideum*: role of RacH**  
Neffgen, C.N., Somesh, B.S., Rivero, F.R.  
Köln
- PB8 The formin family in *Dictyostelium discoideum***  
Rivero Crespo, F., Meyer, A.K., Kitayama, C., Muramoto, T., Urushihara, H.,  
Uyeda, T.  
Köln, Tsukuba/Japan
- PB9 Kette/Hem2/Nap1 is essential for myoblast fusion during *Drosophila* embryogenesis**  
Schröter, R.H., Lier, S., Holz, A., Bogdan, S., Klämbt, C., Beck, L.,  
Renkawitz-Pohl, R.  
Marburg, Giessen, Münster
- PB10 Role of metabotropic GABAB receptor like proteins in *Dictyostelium discoideum***  
Prabhu, Y., Noegel, A. A.  
Köln

<b>Kinases and Phosphatases</b>
---------------------------------

- PC1 The H-REV107-1 class II tumor suppressor triggers apoptosis in ovarian carcinoma cells through inhibition of PP2A**  
Nazarenko, I., Schaefer, R., Sers, C.  
Berlin
- PC2 15-deoxy-D12,14-prostaglandin J2-mediated ERK signaling inhibits Gram negative bacteria-induced RelA phosphorylation and IL-6 gene expression in intestinal epithelial cells through modulation of protein phosphatase 2A activity**  
Ruiz, P.A., Kim, S.C., Sartor, R.B., Haller, D.  
Freising, Chapel Hill/USA
- PC3 Ligand binding to the SHP-1 N-SH2 domain: A computational and biological study**  
Hampel, K., Imhof, D., Wieligmann, K., Böhmer, F.D., Reissmann, S.  
Jena
- PC4 Nuclear located Interleukin-1 receptor associated kinase IRAK phosphorylates exogenous and endogenous substrates *in vitro***  
Böl, G.-F., Jurrmann, N., Brigelius-Flohé, R.  
Nuthetal
-

- PC5 Modulation of autocrine TNF-alpha - stimulated matrix metalloproteinase 9 (MMP-9) expression by mitogen-activated protein kinases (MAP Kinase ) in THP-1 leukemic cells**  
Heidinger, M., Jochum, M., Ries, C.  
München
- PC6 Global gene expression analysis revealed contribution of individual kinase pathways in lipopolysaccharide-activated human monocytes**  
Steinmüller, L., Ehrchen, J., Sorg, C., Roth, J.  
Münster
- PC7 MAPK activated protein kinase 3 is a negative regulator of IL-8 expression in liver cells**  
Zakowski, V., Bode, J., Albrecht, U., Schmeck, B., Goebeler, M., Voncken, W., Ludwig, S.  
Düsseldorf, Berlin, Würzburg, Maastricht/Netherlands

<p><b>Chemokines, Cytokines, Growth Factors and their Receptors</b></p>
---

- PD1 Protein phosphatase 1 and phosphodiesterase IV play prominent roles in the negative regulation of IL-1 $\beta$  production in macrophages**  
Ohlweiler, S., Runkel, N., Schilling, D., Nixdorff, K.  
Darmstadt
- PD2 Id1: A novel target of activin action which regulates keratinocyte differentiation**  
Rotzer, D., Sulyok, S., Werner, S.  
Zürich/Switzerland
- PD3 Role of steroid receptor coactivator-1 and CREB binding protein in transcriptional control of acute-phase protein genes by Stat3**  
Cvijic, H., Horn, F.  
Leipzig
- PD4 Carbon nanotubes induce oxidative stress, inflammatory responses and cell death in pulmonary epithelial cells and macrophages**  
Diabate, S., Pulskamp, K., Krug, H.F.  
Karlsruhe
- PD5 The hepatoma-derived growth factor - identification of interacting proteins**  
Dietz, F., Franken, S.  
Bremen, Bonn
- PD6 STAT phosphoregulation and cleavage is regulated by histamine via histamine (H4) receptor in human lymphocytes *ex vivo***  
Horr, B., Borck, H., Nierich, K., Wackes, C., Medina, V., Rieger, S., Diel, F.  
Fulda, Neuherberg
-

- PD7 Characterisation of EGFR family proteins and their ligands in *Xiphophorus***  
Laisney, J., Gómez, A., Wellbrock, C., Schartl, M., Meierjohann, S.  
Würzburg, Torre la Sal/Spain, London/UK
- PD8 Activation of cellular signaling pathways in monocytic and epithelial cells by infection with the human pathogens *C. pneumoniae* and *C. trachomatis***  
Rother, M., Meyer, T. F., Szczepek, A. J.  
Berlin
- PD9 Posttranslational modification of STAT5a by ubiquitin-related SUMO peptides in hematopoietic cells**  
Shu, Y., Buchse, T., Bittorf, T., Brock, J., Sasse, T.  
Rostock
- PD10 Interaction partners of the receptor tyrosine kinase Xmrk and their role in tumorigenesis**  
Teutschbein, J., Schartl, M., Meierjohann, S.  
Würzburg
- PD11 IFN-gamma abrogates profibrogenic TGF-beta in the liver by targeting the expression of pathway-restricted and inhibitory Smads**  
Weng, H., Mertens, P.R., Gressner, A.M., Wiercinska, E., Dooley, S.  
Mannheim, Aachen, Zhejiang/China
- PD12 Id1 as a target gene of TGF-beta involved in transdifferentiation of hepatic stellate cells**  
Wiercinska, E., Wickert, L., Breitkopf, K., Gressner, A.M., Dooley, S.  
Mannheim, Heidelberg, Aachen
- PD13 *Streptococcus pneumoniae* induced p38 MAPK and NF- $\kappa$ B-dependent interleukin-8 release by bronchial epithelial cells**  
Zahlten, J., Moog, K., Hammerschmidt, S., Rosseau, S., Hocke, A., Suttorp, N., Hippenstiel, S., Schmeck, B.  
Berlin, Würzburg
- PD14 Histamine modulates reactive oxygen species (ROS) production through H1 and H2 membrane receptors**  
Medina, V., Cricco, G., Garbarino, G., Nunez, M., Martin, G., Cocca, C., Bergoc, R.M., Rivera, E.S., Horr, B., Diel, F.  
Fulda, Buenos Aires/Argentina
-