

Poster Presentation - Poster PD9 - PH4

Friday, November 10, 18.00 – 18.50 h

Chair:

Gaby-Fleur Böhl, Potsdam-Rehbrücke
Karlheinz Friedrich, Jena

Signalling in Immune Cells

- PD9 Enhanced T-cell growth transformation by *Herpesvirus saimiri* independent of IL-2 and Stat3**
Heck, E., Full, F., Lengenfelder, D., Schmidt, M., Müller-Fleckenstein, I., Fleckenstein, B., Biesinger, B., Ensser, A.
Erlangen
- PD10 The requirement of glucocorticoid receptor dimerization for effective immunosuppression**
Kleyman, A., Illing, A., Schmid, W., Kenzelmann, M., Ittrich, C., Tronche, F., Reichardt, H., Schütz, G., Tuckermann, J.
Jena, Heidelberg, Würzburg, Paris/France
- PD11 Functional profiling of chemical inhibitors and therapeutic antibodies using cellular antibody microarrays**
Köhler, K., Andre, T., Grosse-Hovest, L., Jung, G., Brock, R.
Tübingen
- PD12 Insulin and insulin-like growth factor-1 promote mast cell survival via activation of the phosphatidylinositol-3-kinase pathway**
Lessmann, E., Grochow, G., Weingarten, L., Giesemann, T., Aktories, K., Leitges, M., Krystal, G., Huber, M.
Freiburg, Hannover, British Columbia/Canada
- PD13 Potential role of the adapter protein Nck in the transport of FasL and its storage granules to the immunological synapse**
Lettau, M., Qian, J., Janssen, O.
Kiel
- PD14 Connecting secretory lysosomes to the cytoskeleton: Does CD95 Ligand provide the missing link?**
Linkermann, A., Kähne, T., Janssen, O.
Kiel, Magdeburg
- PD15 How does the Fas/FasL system influence T cell activation?**
Mathew, B., Qian, J., Lettau, M., Beyer, A., Podda, G., Janssen, O.
Kiel
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- PD16 PKB interacts with calcineurin/NFAT signaling to regulate Rag expression and pre-T cell differentiation**
Patra, A., Drewes, T., Serfling, E., Bommhardt, U.
Magdeburg, Würzburg
- PD17 The EBV oncoprotein latent membrane protein 1 affects the expression and activation of STAT signaling and negative regulators in transformed B lymphocytes**
Pinkert, D., Vockerodt, M., Kieser, A., Kube, D.
Göttingen, München
- PD18 An on-off switch within TCR-signaling decides about IL-2 expression on single cell level**
Podtschaske, M., Hofer, T., Bendfeldt, H., Radbruch, A., Baumgrass, R.
Berlin
- PD19 Is GEM localization required for PAG function?**
Posevitz-Fejfar, A., Šmída, M., Kliche, S., Schraven, B., Lindquist, J.
Magdeburg
- PD20 Analysis of the functional redundancy among the non-raft transmembrane adaptor proteins LAX, SIT and TRIM**
Simeoni, L., Arndt, B., Schraven, B.
Magdeburg
- PD21 Characterization of a novel tyrosine-based signaling motif (TBSM) within the phosphoprotein associated with glycosphingolipid-enriched microdomains (PAG)**
Simeoni, L., Schraven, B., Lindquist, J.A.
Magdeburg
- PD22 The EBV latent membrane protein 1 modulates cellular genes in Hodgkins lymphoma cells and in their untransformed counterparts**
Vockerodt, M., Baumforth, K.R.N, Morgan, S.L., Kube, D., Wei, W., Young, L.S, Murray, P.G.
Göttingen, Birmingham/UK
- PD23 Quantitative analysis of membrane proximal signalling events regulating the activation and proliferation of peripheral T-cells**
Wang, X.Q., Kliche, S., Saez-Rodriguez, J., Gilles, E.D., Schraven, B.
Magdeburg
- PD24 NAB proteins disrupt EGR:NFKB complexes and thus repress their synergistic transcriptional activity on cytokine genes**
Wieland, G.D., Müller, D., Wetzker, M., Ludajic, K., Sühnel, J., Skerka, C., Zipfel, P.F.
Jena
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Signalling Induced by Pathogens

- PE1 The hepatitis C virus non-structural 3/4A protein confers resistance to TNF α induced liver damage in vivo: A new mechanism of immune-escape**
Brenndörfer, E.D., Frelin, L., Ahlen, G., Hultgren, C., Alheim, M., Glaumann, H., Rozell, B., Milich, D.R., Sällberg, M., Bode, J.G.
Düsseldorf, Stockholm/Sweden, San Diego/USA
- PE2 Infection with *Leishmania major* (L.m.) inhibits the IFN-gamma signaling in polymorphonuclear neutrophil granulocytes (PMN)**
Bussmeyer, U., Lotz, S., Hoffmann, R., van Zandbergen, G., Solbach, W., Laskay, T.
Lübeck, München
- PE3 Rhinovirus infection induces cytoskeletal rearrangement and signal transduction via membrane rafts and small G-proteins**
Dreschers, S., Dumitru, C.A., Franz, P., Gulbins, E.
Essen
- PE4 Rhinoviral infections activate p38 MAPK via membrane rafts and Rho A**
Dumitru, C.A., Dreschers, S., Gulbins, E.
Essen
- PE5 Synergistic activation of mast cells by bacterial lipopeptides and antigen**
Gimborn, K., Grochoway, G., Port, F., Kalis, C., Bessler, W., Galanos, C., Krystal, G., Freudenberg, M., Huber, M.
Freiburg, Vancouver/Canada
- PE6 RNAi-based screens for host cell factors involved in the infection process of obligate intracellular chlamydia**
Hess, S., Machuy, N., Gurumurthy, R.K., Kumar, P., Karlas, A., Bartfeld, S., Meyer, T.F.
Berlin
- PE7 Blocking of type 1 interferon signalling permits establishment of persistently newcastle disease virus infected cells**
Keil, G.M., Höhle, C., Veits, J., Fischer, U., Römer-Oberdörfer, A., Giesow, K.
Greifswald-Insel Riems
- PE8 Tyrosine phosphorylation of the *Chlamydia trachomatis* Tarp protein is mediated by Src family kinases**
Mehlitz, A., Meyer, T.F., Selbach, M.
Berlin
- PE9 *Listeria monocytogenes* activated p38 MAPK and induced IL-8 secretion in a Nod1-dependent manner in human endothelial cells**
Opitz, B., Püschel, A., Beermann, W., Hocke, A., Förster, S., Schmeck, B., van Laak, V., Chakraborty, T., Suttorp, N., Hippenstiel, S.
Berlin, Giessen
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- PE10 An inducible system to analyse signaling pathways affected by the EBV oncoprotein latent membrane protein 1 in Hodgkin lymphoma derived cell lines**
Pinkert, D., Vockerodt, M., Kieser, A., Kube, D.
Göttingen
- PE11 The tyrosine kinase c-Abl is targeted in cytoskeletal structures of *Helicobacter pylori* infected gastric cells**
Poppe, M., Römer, G., Feller, S., Weßler, S.
Langen, Oxford/UK
- PE12 CNF-induced activation of Rho-GTPases in human endothelial cell: Effects on actin cytoskeleton and pathogen invasion**
Reichardt, W., Schöne, K., Schmidt, G., Aktories, K., Wetzker, R.
Jena, Freiburg
- PE13 *Mycobacterium tuberculosis*-induced death of human monocytes is not influenced by TNF-targeted biologicals**
Schneider, D., Ehlers, S., Reiling, N.
Borstel

Adhesion, Cell Motility and the Cytoskeleton

- PF1 SH3P7/mAbp1 deficiency leads to tissue and behavioural abnormalities and impaired vesicle transport**
Connert, S., Wienand, S., Thiel, C., Krikunova, M., Hilfiker-Kleiner, D., Bartsch, J.W., Klingauf, J., Wienands, J.
Göttingen, Bielefeld, Hannover
- PF2 The role of matrix metalloproteinase 3 in increased motility caused by mutant E cadherin**
Fuchs, M., Bremm, A., Hermannstädter, C., Höfler, H., Luber, B.
München
- PF3 The complex of the two cytosolic adapter proteins ADAP and SKAP55 is regulating TCR-mediated LFA-1 activation through Rap1**
Kliche, S., Hoppe, J., Breitling, D., Togni, M., Pusch, R., Koretzky, G., Schraven, B.
Magdeburg, Philadelphia/USA
- PF4 Functional and biochemical characterization of RhoC and RhoA**
Liska, M., Dietrich, K., Gierschik, P., Giehl, K.
Ulm
- PF5 Distinct germline mutations of E-cadherin lead to distinct motility in ECM**
Mateus, A. R., Oliveira, M. J., Ferreira, P., Hutzler, P., Mareel, M., Seruca, R., Luber, B.
München, Neuherberg, Porto/Portugal, Ghent/Belgium
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- PF6 Mechanisms of receptor tyrosine kinase mediated migration in melanocytes**
Meierjohann, S., Kraiss, A., Wende, E., Schartl, M.
Wuerzburg
- PF7 Actin-dependent regulation of Connective Tissue Growth Factor (CTGF) via Serum Response Factor (SRF)**
Muehlich, S., Goppelt-Struebe, M.
Erlangen
- PF8 Functional interaction of the tyrosine kinase Syk and the discoidin domain receptor DDR1 in epithelial cells**
Neuhaus, B., Vogel, W.F., Kiefer, F.
Münster, Toronto/Canada
- PF9 Tubulin regulation in the migration of lymphocytes and tumor cells within a three-dimensional collagen matrix**
Strell, C., Entschladen, F., Niggemann, B., Zänker, K.S., Lang, K.
Witten
- PF10 K-Ras-induced carcinoma cell migration is mediated by Akt/PKB**
Unger, M., Pek, D., Müller, M., Gierschik, P., Giehl, K.
Ulm
- PF11 Analysis of transiently overexpressed Src Y527F on phosphoproteome signalling**
von Hagen, J., Michelsen, U., Andrecht, S., Seiler, A., Hendriks, R.
Darmstadt

Small Molecules as Signalling Modifiers – Toxins and Ions

- PG1 Regulation of asparagine synthetase gene transcription by the basic region leucine zipper transcription factors ATF5 and CHOP**
Al Sarraj, J., Vinson, C., Thiel, G.
Homburg, Bethesda/USA
- PG2 STAT3 is essential for Hodgkin lymphoma cell proliferation and is a target of tyrphostin AG17**
Schoof, N., Pinkert, D., Kussebi, N., Vockerodt, M., Landgrebe, J., Katzer, M., Asif, A.R., Brechlin, P., Otto, M., Trümper, L., Kube, D.
Göttingen
- PG3 Upregulation of tyrosine hydroxylase gene transcription by tetradecanoylphorbol acetate is mediated by the transcription factors Elk-1 and Egr-1**
Stefano, L., Rössler, O.G., Al Sarraj, J., Vinson, C., Thiel, G.
Homburg, Bethesda/USA
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PG4 Influence of polybrominated diphenyl ethers (BDE 47) on cytochrom P450 1A1 protein level in 5L rat hepatoma cells

Wahl, M., Strack, S., Kuch, B., Krug, H.F.
Karlsruhe, Stuttgart

PG5 Potentiated vanadium toxicity through nano size

Wörle-Knirsch, J.M., Kern, K., Krug, H.F.
Karlsruhe

PG6 On carbon nanotubes that fake acute toxicity in cultured human lung cells

Wörle-Knirsch, J.M., Pulskamp, K., Krug, H.F.
Karlsruhe

Miscellaneous

PH1 Regulation and regulatory role of the multidomain serine proteinase inhibitor LEKTI

Droegemueller, K., Maronde, E., Keil, C., Herrling, S., Forssmann, W.G.,
Maegert, H.J.
Koethen, Hannover, Magdeburg

PH2 Identification of novel G α_s -interacting proteins

Klass, K., Krause, E., Kleuss, C.
Berlin

PH3 Constitutive activation of IKK2 is sufficient to induce pancreatitis

Baumann, B., Aleksic, T., Wagner, M., Weber, C.K., Adler, G., Wirth, T.
Ulm

PH4 Persistent STAT3 activation and elevated expression of matrix metalloproteinase MMP-1 spatially and functionally coincide in colon and lung cancer

Röser, K., Tsareva, S.A., Pupyshev, A.B., Schütz, A., Friedrich, K.
Jena, Leipzig, Novosibirsk/Russia
