

Selected Publications of finalists in the MD/PhD program

(only publications during PhD at MHH, usually, students finish with at least two first author papers; the one paper with highest impact was selected for this list)

Abraham D, Dallmann R, Steinlechner S, Albrecht U, Eichele G, Oster H. Restoration of circadian rhythmicity in circadian clock-deficient mice in constant light. *J Biol Rhythms*. 2006 Jun;21(3):169-76.

Alkharsah, KR, Dedicoat, M, Blasczyk, R., Newton, R, Schulz, TF. Influence of HLA alleles on shedding of Kaposi's sarcoma herpesvirus in saliva in an African population. *J Infect Dis*, in press

Ansari, AW., Bhatnagar, N., Dittrich-Brieholz, O., Kracht, M., Schmidt, RE. and Heiken, H. Host chemokine (C-C motif) ligand-2 (CCL2) is differentially regulated in human immunodeficiency virus type 1 infected individuals. *Int. Immunology* 2006;18:1443-51

Schneider A, **Attaran M**, Gratz KF, Bleck JS, Winkler M, Manns MP, Ott M. Intraportal infusion of 99mtechnetium-macro-aggregated albumin particles and hepatocytes in rabbits: assessment of shunting and portal hemodynamic changes. *Transplantation*. 2003;75(3):296-302.

Bahlmann FH, De Groot K, Spandau JM, Landry AL, Hertel B, Duckert T, Boehm SM, Menne J, Haller H, Fliser D. Erythropoietin regulates endothelial progenitor cells. *Blood*. 2004;103:921-6.

Dihne M, **Bernreuther C**, Hagel C, Wesche KO, Schachner M. Embryonic stem cell-derived neuronally committed precursor cells with reduced teratoma formation after transplantation into the lesioned adult mouse brain. *Stem Cells*. 2006 Feb 2 (epub ahead of print)

Bohn, G, Allroth, A, Brandes, G et al. A novel human primary immunodeficiency syndrome caused by deficiency of the endosomal adaptor protein p14. *Nature Medicine* 2006, in press

Bollig, F., Winzen, R., Gaestel, M., Kostka, S., Resch, K. and Holtmann, H. Affinity purification of ARE-binding proteins identifies polyA-binding protein 1 as a potential substrate in MK2-induced mRNA stabilization. *Biochem Biophys Res Commun* 2003; 301:665-70.

Scherr M, **Chaturvedi A***, Battmer K, Dallmann I, Schultheis B, Ganser A, Eder M. Enhanced sensitivity to inhibition of SHP2, STAT5, and Gab2 expression in chronic myeloid leukemia (CML). *Blood*. 2006 Apr 15;107(8):3279-87.

Chang YS, Klockgether J, Tummler B. An intragenic deletion in pilQ leads to nonpiliation of a *Pseudomonas aeruginosa* strain isolated from cystic fibrosis lung. *FEMS Microbiol Lett*. 2007 Feb 13; [Epub ahead of print]

Dahlke MH, Popp FC, Bahlmann FH, Aselmann H, Jaeger MD, Neipp M, Piso P, Klempnauer J, Schlitt HJ. Liver regeneration in a retrorsine / CC14 induced acute liver failure model : do bone marrow derived cells contribute? *J Hepatol* 2003 Sep;39(3):365-73.

Dijkstra D, Leurs R, Chazot P, Shenton FC, Stark H, Werfel T, Gutzmer R. Histamine downregulates monocyte CCL2 production through the histamine H(4) receptor. *J Allergy Clin Immunol*. 2007 Aug;120(2):300-7.

Djojosebroto MW, Chin AC, Go N, Schaetzlein S, Manns MP, Gryaznov S, Harley CB, Rudolph KL. Telomerase antagonists GRN163 and GRN163L inhibit tumor growth and increase chemosensitivity of human hepatoma. *Hepatology*. 2005 Nov;42(5):1127-36.

Dulkys Y, Kluthe C, Buschermohle T, Barg I, Knoss S, Kapp A, Proudfoot AE and Elsner J. IL-3 Induces Down-Regulation of CCR3 Protein and mRNA in Human Eosinophils. *J Immunol*. 2001. 167:3443.

Erpenbeck VJ, Hagenberg A, Dulkys Y, Elsner J, Balder R, Krentel H, Discher M, Braun A, Krug N, Hohlfeld JM. Natural porcine surfactant augments airway inflammation after allergen challenge in patients with asthma. *Am J Respir Crit Care Med*. 2004 Mar 1;169(5):578-86.

Gadzicki D, Wingen LU, Teige B, Horn D, Bosse K, Kreuz F, Goecke T, Schafer D, Voigtlander T, Fischer B, Froster U, Welling B, Debatin I, Weber BH, Schonbuchner I, Nippert I, Schlegelberger B; German Cancer Aid Consortium on Hereditary Breast and Ovarian Cancer. Communicating BRCA1 and BRCA2 genetic test results. *J Clin Oncol*. 2006 Jun 20;24(18):2969-70

Gebhardt T, Gerhard R, Bedoui S, Erpenbeck VJ, Hoffmann MW, Manns MP, Bischoff SC. beta2-Adrenoceptor-mediated suppression of human intestinal mast cell functions is caused by disruption of filamentous actin dynamics. *Eur J Immunol*. 2005 Apr;35(4):1124-32.

Ghosh A, Wolenski M, Klein C, Welte K, Blazar BR, Sauer MG. Cytotoxic T cells reactive to an immunodominant leukemia-associated antigen can be specifically primed and expanded by combining a specific priming Stepp with non specific large-scale expansion, *J. Immunotherapy*, in press

Gupta, S., Fuchs, B., Schulz-Maronde, S. et al. Intravascular inactivation of CCR5 by nonanoyl-CC chemokine ligand 14 and the prevention of allergic airway inflammation. *J Immunology* 2006, in press

Kant S, Schumacher S, Singh MK, Kispert A, Kotlyarov A, Gaestel M. Characterization of the atypical map kinase ERK4 and its activation of the MAPK-activated protein kinase MK5. *J Biol Chem*. 2006 Sep 13; [E-pub ahead of print]

Karacsonyi C, Knorr R, Fulbier A, Lindner R. Association of major histocompatibility complex II with cholesterol- and sphingolipid-rich membranes precedes peptide loading. *J Biol Chem*. 2004 Aug 13;279(33):34818-26.

Kumar V, **Ali SR**, Konrad S, Zwirner J, Verbeek JS, Schmidt RE, Gessner JE. Cell-derived anaphylatoxins as key mediators of antibody-dependent type II autoimmunity in mice. *J Clin Invest*. 2006 Feb;116(2):512-20.

Li, Y., Köster, T., Mörike, C., v. Hörsten, S., Martin, U., Bader, M., Haverich, A., Simon, A.R. Effects of pravastatin on graft survival in an allogeneic rat model of orthotopic single lung transplantation. *Eur J Cardiothorac Surg*. 2006 Jul 19

Luedde T, Assmus U, Wustefeld T, Meyer zu Vilsendorf A, Roskams T, Schmidt-Supprian M, Rajewsky K, Brenner DA, Manns MP, Pasparakis M, Trautwein C. Deletion of IKK2 in hepatocytes does not sensitize these cells to TNF-induced apoptosis but protects from ischemia/reperfusion injury. *J Clin Invest*. 2005 Apr;115(4):849-59

Meyerholz A, Hinrichsen L, Groos S, Esk PC, Brandes G, Ungewickell EJ. Effect of clathrin assembly lymphoid myeloid leukemia protein depletion on clathrin coat formation. *Traffic*. 2005 Dec;6(12):1225-34.

Nassenstein C, Braun A, Erpenbeck VJ, Lommatzsch L, Schmidt S, Luttmann W, Renz H, and Virchow JC jr., The Neurotrophins Nerve Growth Factor, Brain-Derived Neurotrophic Factor, Neurotrophin-3, and Neurotrophin-4 are Survival and Activation Factors for Eosinophils in Patients with Allergic Bronchial Asthma. *J Exp Med* 2003 Aug 4; 198(3):455-67

Purwar R, Wittmann M, Zwirner J, Oppermann M, Kracht M, Dittrich-Breiholz O, Gutzmer R, Werfel T. Induction of C3 and CCL2 by C3a in keratinocytes: a novel autocrine amplification loop of inflammatory skin reactions. *J Immunol*. 2006 Oct 1;177(7):4444-50.

Schambach A, Schiedlmeier B, Kuhlcke K, Versteegen M, Margison GP, Li Z, Kamino K, Bohne J, Alexandrov A, Hermann FG, von Laer D, Baum C. Towards hematopoietic stem cell-mediated protection against infection with human immunodeficiency virus. *Gene Ther*. 2006 Mar 16

Sellge G, Lorentz A, Gebhardt T, Levi-Schaffer F, Bektas H, Manns MP, Schuppan D, Bischoff SC. Human intestinal fibroblasts prevent apoptosis in human intestinal mast cells by a mechanism independent of stem cell factor, IL-3, IL-4, and nerve growth factor. *J Immunol*. 2004 Jan 1;172(1):260-7

Serinsöz, E., Bock, O., Gwinner, W., Schwarz, A., Haller, H., Kreipe, H., Mengel, M. Local complement expression is a major contributor to both humoral and cellular rejection in renal allografts. *Am. J. Transplant* 2005 Jun;5(6):1490-4

Sharma AD, Cantz T, Richter R, Eckert K, Henschler R, Wilkens L, Jochheim-Richter A, Arseniev L, Ott M. Human cord blood stem cells generate human cytokeratin 18-negative hepatocyte-like cells in injured mouse liver. *Am J Pathol*. 2005 Aug;167(2):555-64

Singh KK, Rommel K, Mishra A, Karck M, Haverich A, Schmidtke J, Arslan-Kirchner M. TGFBR1 and TGFBR2 mutations in patients with features of Marfan syndrome and Loeys-Dietz syndrome. *Hum Mutat*. 2006 Jun 23; [Epub ahead of print]

Singh MK, Christoffels VM, Dias JM, Trowe MO, Petry M, Schuster-Gossler K, Burger A, Ericson J, Kispert A. Tbx20 is essential for cardiac chamber differentiation and repression of Tbx2. *Development*. 2005 Jun;132(12):2697-707. Epub 2005 May 18.

Skokowa J*, **Ali SR***, Felda O, Kumar V, et. al 2005. Macrophages induce the inflammatory response in the pulmonary Arthus reaction through G alpha i2 activation that controls C5aR and Fc receptor cooperation. *J Immunol*. 174(5):3041-50.

Tacke F, Gehrke C, Luedde T, Heim A, Manns MP, Trautwein C. Basal Core Promoter and Precore Mutations in the Hepatitis B Virus Genome Enhance Replication Efficacy of Lamivudine-Resistant Mutants. *J Virol* 2004; 78(16):8524-8535

Tessema M, Länger F, Dingemann J, Ganser A, Kreipe H, and Lehmann U. Aberrant methylation and impaired expression of the *p15^{INK4b}* cell cycle regulatory gene in chronic myelomonocytic leukemia (CMML). *Leukemia*. 2003; 17: 910-918.

Tiede A, Eder M, von Depka M, Battmer K, Luther S, Kiem HP, Ganser A, Scherr M. Recombinant factor VIII expression in hematopoietic cells following lentiviral transduction. *Gene Ther* 2003; 10:1917-1925

Traub F, Mengel M, Luck HJ, Kreipe HH, von Wasielewski R. Prognostic impact of Skp2 and p27 in human breast cancer. *Breast Cancer Res Treat*. 2006 Apr 25; (epub ahead of print)

Werwitzke S, Tiede A, Drescher BE, Schmidt RE, Witte T. CD8beta/CD28 expression defines functionally distinct populations of peripheral blood T lymphocytes. *Clin Exp Immunol*. 2003 Sep;133(3):334-43.