

PERSONAL INFORMATION Jan Mueller-Berghaus**WORK EXPERIENCE**

December 1990–May 1998

Physician

Childrens' Hospital University Cologne (Germany)

October 1998–April 2002

Postdoctoral research associate

University of Pittsburgh (United States)

May 2002–September 2005

Researcher

University of Heidelberg/German Cancer Research Center (Germany)

September 2005–Present

Clinical assessor

Paul-Ehrlich-Institut (Germany)

EDUCATION AND TRAINING

October 1984–October 1990

License to practise medicine (Medical Doctor)

Ruhr-Universität Bochum (Germany)

December 1990–August 1998

Paediatric specialist (Facharzt für Kinderheilkunde und Jugendmedizin)

Childrens' Hospital University Cologne (Germany)

ADDITIONAL INFORMATION**Expertise****Publications**

Bökenkamp A, Offner G, Hoyer PF, Feldhoff C, Müller-Berghaus J, Wigger M, Neuhaus T, Brodehl J. Conversion to a new microemulsion formulation of cyclosporin A in renal transplant recipients under six years of age. *Tx Med* 1995; 7: 205-208

Müller-Berghaus J, Homoki J, Michalk DV, Querfeld U. Diagnosis and treatment of a child with the syndrome of apparent mineralocorticoid excess type 1. *Acta Paediatr* 1996;85:111-113

Müller-Berghaus J, Knisely AS, Zaum R, Vierzig Anne, Kim E, Michalk DV, Roth B. Neonatal hemochromatosis: report of a patient with favorable outcome. *Eur J Pediatr* 1997;156:296-298

Wagner M, Müller-Berghaus J, Schroeder R, Sollberg S, Luka J, Leysens N, Schneider B, Krueger GRF. Human Herpesvirus-6 (HHV-6) associated necrotizing encephalitis in Griscelli's Syndrome. *J Med Virol* 1997;53:306-312

Müller-Berghaus J, Hoppe B, Schmidt R, Wagner M, Querfeld U. A transplanted child with severe hypercalcemic hyperparathyroidism despite only modest bony lesions. *Nephrol Dial Transplant* 1997;12:2445-2446

Schmidt B, Christen HJ, Herkenrath P, Benz-Bohm G, Müller-Berghaus J, Querfeld U. Cerebral complications in Schimke immuno-osseous dysplasia. *Eur J Pediatr* 1997;156:789-791

Ristow M, Giannakidou E, Hebinck J, Busch K, Vorgerd M, Kotzka J, Knebel B, Müller-Berghaus J, Eppelen C, Pfeiffer A, Kahn CR, Doria A, Krone W, Müller-Wieland D. An association between type II diabetes mellitus (NIDDM) and X25/Frataxin (Friedreich's ataxia) GAA trinucleotide repeat polymorphism. *Diabetes* 1998;47:851-854

Tenbrock K, Müller-Berghaus J, Fuchshuber A, Michalk D, Querfeld U. Levamisole treatment in steroid-sensitive and steroid-resistant nephrotic syndrome. *Pediatr Nephrol* 1998;12:459-462

Tenbrock K, Müller-Berghaus J, Michalk D, Querfeld U. Intravenous iron treatment of renal anemia in

children on hemodialysis. *Pediatr Nephrol* 1999;13:580-2

Müller-Berghaus J, Kurowski C, Gharib M, Engelskirchen R, Roth B, Berthold F. Artificial abdominal hernia for the treatment of hepatomegaly in a neonate with stage 4S neuroblastoma. *Pediatr Hematol Oncol* 1999;16:453-8

Hoffmann TK, Meidenbauer N, Muller-Berghaus J, Storkus WJ, Whiteside TL. Proinflammatory cytokines and CD40 ligand enhance cross-presentation and cross-priming capability of human dendritic cells internalizing apoptotic cancer cells. *J Immunother*. 2001;24:162-71

Hoffmann TK, Muller-Berghaus J, Ferris RL, Johnson JT, Storkus WJ, Whiteside TL. Alterations in the frequency of dendritic cell subsets in the peripheral circulation of patients with squamous cell carcinomas of the head and neck. *Clin Cancer Res*. 2002;8:1787-93 (shared first authorship)

Asai T, Storkus WJ, Mueller-Berghaus J, Knapp W, DeLeo AB, Chikamatsu K, Whiteside TL. In vitro generated cytolytic T lymphocytes reactive against head and neck cancer recognize multiple epitopes presented by HLA-A2, including peptides derived from the p53 and MDM-2 proteins. *Cancer Immunity* 2002; 2: 3

Beckebaum S, Cicinnati V, Dworacki G, Muller-Berghaus J, Stolz D, Hamaha J, Whiteside T, Thomson A, Lu L, Fung J, Bonham C. Reduction in the circulating pDC1/pDC2 ratio and impaired function of ex vivo-generated DC1 in chronic hepatitis B infection. *Clin Immunol*. 2002 Aug;104:138

Lokshin AE, Kalinski P, Sassi RR, Mailliard RB, Muller-Berghaus J, Storkus WJ, Peng X, Marrangoni AM, Edwards RP, Gorelik E. Differential regulation of maturation and apoptosis of human monocyte-derived dendritic cells mediated by MHC class II. *Int Immunol*. 2002;14:1027-37

Tatsumi T, Kierstead LS, Ranieri E, Gesualdo L, Schena FP, Finke JH, Bukowski RM, Mueller-Berghaus J, Kirkwood JM, Kwok WW, Storkus WJ. Disease-associated Bias in T Helper Type 1 (Th1)/Th2 CD4+ T Cell Responses Against MAGE-6 in HLA-DRB10401+ Patients With Renal Cell Carcinoma or Melanoma. *J Exp Med* 2002;196: 619-628

Müller-Berghaus J, Kern K, Paschen A, Nguyen XD, Klüter H, Morahan G, Schadendorf D. Deficient IL-12p70 secretion by dendritic cells based on IL12B promoter genotype. *Genes Immun* 2004;5:431-434

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Muller-Berghaus J, Olson WC, Moulton RA, Knapp WT, Schadendorf D, Storkus WJ. IL-12 production by human monocyte-derived dendritic cells: looking at the single cell. *J Immunother* 2005; 28:306-13

Paschen A, Jing W, Drexler I, Klemm M, Song M, Müller-Berghaus J, Nguyen XD, Osen W, Stevanovic S, Sutter G, Schadendorf D. Melanoma patients respond to a new HLA-A*01-presented antigenic ligand derived from a multi-epitope region of melanoma antigen TRP-2. *Int J Cancer* 2005; 116:944-8

Paschen A, Song M, Osen W, Nguyen XD, Mueller-Berghaus J, Fink D, Daniel N, Donzeau M, Nagel W, Kropshofer H, Schadendorf D. Detection of spontaneous CD4+ T-cell responses in melanoma patients against a tyrosinase-related protein-2-derived epitope identified in HLA-DRB1*0301 transgenic mice. *Clin Cancer Res* 2005; 11:5241-7

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Muller-Berghaus J, Ehlert K, Ugurel S, Umansky V, Bucur M, Schirmacher V, Beckhove P, Schadendorf D. Melanoma-reactive T cells in the bone marrow of melanoma patients: association with disease stage and disease duration. *Cancer Res* 2006; 66:5997-6001

Zeng J, Muller-Berghaus J, Nguyen XD, Klüter H, Schonhaber H, Song M, Schwinn N, Schadendorf D, Goerdts S, Eichmüller S, Dippel E. Identification of HLA class I dependent immunogenic peptides from clonotypic TCRbeta expressed in cutaneous T-cell lymphoma. *Int J Cancer* 2006;119: 2476-80 (shared first authorship)

Ugurel S, Thirumaran RK, Bloethner S, Gast A, Sucker A, Mueller-Berghaus J, Rittgen W, Hemminki K, Becker JC, Kumar R, Schadendorf D. B-RAF and N-RAS Mutations Are Preserved during Short Time In Vitro Propagation and Differentially Impact Prognosis. *PLOS One* 2007; 2: e236

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Paschen A, Müller-Berghaus J, Haas I, Mackensen A, Køllgaard T, Thor Straten P, Schmitt M, Giannopoulos K, Maier R, Veelken H, Bertinetti C, Konur A, Huber C, Stevanović S, Wölfel T, van der Burg SH. The CIMT-monitoring panel: a two-step approach to harmonize the enumeration of antigen-specific CD8(+) T lymphocytes by structural and functional assays. *Cancer Immunol Immunother* 2008;57:289-302

Nguyen XD, Müller-Berghaus J, Kälsch T, Schadendorf D, Borggrefe M, Klüter H. Differentiation of monocyte-derived dendritic cells under the influence of platelets. *Cytotherapy*. 2008;10:720-9

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Waibler Z, Sender LY, Kamp C, Müller-Berghaus J, Liedert B, Schneider CK, Löwer J, Kalinke U. Toward experimental assessment of receptor occupancy: TGN1412 revisited. *J Allergy Clin Immunol*. 2008; 122:890-2

Muthuswamy R, Mueller-Berghaus J, Haberkorn U, Reinhart TA, Schadendorf D, Kalinski P. PGE2 transiently enhances DC expression of CCR7 but inhibits the ability of DCs to produce CCL19 and attract naive T cells. *Blood*. 2010; 116: 1454-9

Vidal JM, Kawabata TT, Thorpe R, Silva-Lima B, Cederbrant K, Poole S, Mueller-Berghaus J, Pallardy M, Van der Laan JW. In vitro cytokine release assays for predicting cytokine release syndrome: The current state-of-the-science. Report of a European Medicines Agency Workshop. *Cytokine*. 2010; 51:213-5

Holloway C, Mueller-Berghaus J, Lima BS, Lee SL, Wyatt JS, Nicholas JM, Crommelin DJ. Scientific considerations for complex drugs in light of established and emerging regulatory guidance. *Ann N Y Acad Sci*. 2012;1276:26-36

Weissmüller S, Semmler LY, Kalinke U, Christians S, Müller-Berghaus J, Waibler Z. ICOS-LICOS interaction is critically involved in TGN1412-mediated T-cell activation. *Blood* 2012;119:6268-7

Melchiorri D, Pani L, Gasparini P, Cossu G, Ancans J, Borg JJ, Drai C, Fiedor P, Flory E, Hudson I, Leufkens HG, Müller-Berghaus J, Narayanan G, Neugebauer B, Pokrotnieks J, Robert JL, Salmonson T, Schneider CK. Regulatory evaluation of Glybera in Europe-two committees, one mission. *Nat Rev Drug Discov* 2013

Müller-Berghaus J, Volkens P, Scherer J, Cichutek K. Besonderheiten bei der Regulierung biologischer Arzneimittel in der individualisierten Medizin: Mehr als stratifizierte Medizin. *Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz* 2013

Projects

Memberships

Other Relevant Information