

Most Important Publications

Soluble BAFF Levels Inversely Correlate with Peripheral B Cell Numbers and the Expression of BAFF Receptors. Kreuzaler M, Rauch M, Salzer U, Birmelin J, Rizzi M, Grimbacher B, Plebani A, Lougaris V, Quinti I, Thon V, Litzman J, Schlesier M, Warnatz K, Thiel J, Rolink AG, Eibel H. *J Immunol.* 2012 Jan 1;188(1):497-503. Epub 2011 Nov 28.

Genetic CD21 deficiency is associated with hypogammaglobulinemia. Thiel J, Kimmig L, Salzer U, Grudzien M, Lebrecht D, Hagena T, Draeger R, Völxen N, Bergbreiter A, Jennings S, Gutenberger S, Aichem A, Illges H, Hannan JP, Kienzler AK, Rizzi M, Eibel H, Peter HH, Warnatz K, Grimbacher B, Rump JA, Schlesier M. *J Allergy Clin Immunol.* 2011 Oct 27. [Epub ahead of print]

IL-21 is the primary common α chain-binding cytokine required for human B-cell differentiation in vivo. Recher M, Berglund LJ, Avery DT, Cowan MJ, Gennery AR, Smart J, Peake J, Wong M, Pai SY, Baxi S, Walter JE, Palendira U, Tangye GA, Rice M, Brothers S, Al-Herz W, Oettgen H, Eibel H, Puck JM, Cattaneo F, Ziegler JB, Giliani S, Tangye SG, Notarangelo LD. *Blood* 2011 Dec 22;118(26):6824-35. Epub 2011 Oct 28.

Rizzi M, Neumann C, Fielding AK, Marks R, Goldacker S, Thaventhiran J, Tarzi MD, Schlesier M, Salzer U, Eibel H, Warnatz K, Finke J, Grimbacher B, Peter HH. Outcome of allogeneic stem cell transplantation in adults with common variable immunodeficiency. *J Allergy Clin Immunol.* 2011 Sep 17. Epub ahead of print

Janda A, Rensing-Ehl A, Eibel H, Ehl S, Speckmann C. Elevated Serum BAFF Levels in Patients with Autoimmunity and Lymphoproliferation. *Scand J Immunol.* 2011 Nov;74(5):518-9.

Ochtrop ML, Goldacker S, May AM, Rizzi M, Draeger R, Hauschke D, Stehfest C, Warnatz K, Goebel H, Technau-Ihling K, Werner M, Salzer U, Eibel H, Schlesier M, Peter HH. T and B lymphocyte abnormalities in bone marrow biopsies of common variable immunodeficiency. *Blood.* 2011 14;118(2):309-18.

Eibel H, Salzer U, Warnatz K. Common variable immunodeficiency at the end of a prospering decade: towards novel gene defects and beyond. *Curr Opin Allergy Clin Immunol.* 2010 Dec;10(6):526-33

Rizzi M, Knoth R, Hampe CS, Lorenz P, Gougeon ML, Lemercier B, Venhoff N, Ferrera F, Salzer U, Thiesen HJ, Peter HH, Walker UA, Eibel H. Long-lived plasma cells and memory B cells produce pathogenic anti-GAD65 autoantibodies in Stiff Person Syndrome. *PLoS One.* 2010 5(5):e10838.

Venhoff N, Rizzi M, Salzer U, Bossaller L, Thoden J, Eibel H, Walker UA. Monozygotic twins with stiff person syndrome and autoimmune thyroiditis: rituximab inefficacy in a double-blind, randomised, placebo controlled crossover study. *Ann Rheum Dis.* 2009 68(9):1506-8.

Warnatz K, Salzer U, Rizzi M, Fischer B, Gutenberger S, Böhm J, Kienzler A.K., Pan-Hammarstrom Q, Hammarstrom L, Rakhmanov M, Schlesier M, Grimbacher B, Peter H.H., and Eibel H. BAFF-R deficiency is associated with an adult onset antibody deficiency syndrome in humans. *PNAS* 2009 106:13945-13950.

Rakhmanov M, Keller B, Gutenberger S, Foerster F, Hoening M, Driessen G, van der Burg M, van Dongen J, Wiech E, Visentini M, Quinti M, Prasse A, Voelxen N, Salzer U, Goldacker S, Fisch P, Eibel H, Schwarz K, Peter H.H., and Warnatz K. Circulating CD21low B cells in Common Variable Immunodeficiency resemble tissue homing, innate-like B cells. *PNAS* 2009 106:13451-13456.

Speckmann C, Pannicke U, Wiech E, Schwarz K, Fisch P, Friedrich W, Niehues T, Gilmour K, Buiting K, Schlesier M, Eibel H, Rohr J, Superti-Furga A, Gross-Wieltsch U, and Ehl S. Clinical and immunologic consequences of a somatic reversion in a patient with X-linked severe combined immunodeficiency. *Blood*, 2008. 112(10): p. 4090-7.

Goldacker S, Draeger R, Warnatz K, Huzly D, Salzer U, Thiel J, Eibel H, Schlesier M, and Peter H.H., Active vaccination in patients with common variable immunodeficiency (CVID). *Clin Immunol*, 2007. 124: p. 294-303.

Taubenheim N, von Hornung M, Durandy A, Warnatz K, Corcoran L, Peter H.H., and Eibel H. Defined blocks in terminal plasma cell differentiation of common variable immunodeficiency patients. *J Immunol*, 2005. 175(8): p. 5498-503.

Wehr, C., Eibel, H., Masilamani, M., Illges, H., Schlesier, M., Peter, H.H., and Warnatz, K., A new CD21^{low} B cell population in the peripheral blood of patients with SLE. *Clin Immunol*, 2004. 113(2): p. 161-71.

Grimbacher, B., Hutloff, A., Schlesier, M., Glocker, E., Warnatz, K., Drager, R., Eibel, H., Fischer, B., Schaffer, A.A., Mages, H.W., Krocsek, R.A., and Peter, H.H., Homozygous loss of ICOS is associated with adult-onset common variable immunodeficiency. *Nat Immunol*, 2003. 4(3): p. 261-8.

Aicher, W.K., Alexander, D., Haas, C., Kuchen, S., Pagenstecher, A., Gay, S., Peter, H.H., and Eibel, H., Transcription factor early growth response 1 activity up-regulates expression of tissue inhibitor of metalloproteinases 1 in human synovial fibroblasts. *Arthritis Rheum*, 2003. 48(2): p. 348-59.

Warnatz, K., Denz, A., Drager, R., Braun, M., Groth, C., Wolff-Vorbeck, G., Eibel, H., Schlesier, M., and Peter, H.H., Severe deficiency of switched memory B cells (CD27⁺)IgM⁻)IgD⁻) in subgroups of patients with common variable immunodeficiency: a new approach to classify a heterogeneous disease. *Blood*, 2002. 99(5): p. 1544-51.

Groth, C., Drager, R., Warnatz, K., Wolff-Vorbeck, G., Schmidt, S., Eibel, H., Schlesier, M., and Peter, H.H., Impaired up-regulation of CD70 and CD86 in naive (CD27⁻) B cells from patients with common variable immunodeficiency (CVID). *Clin Exp Immunol*, 2002. 129(1): p. 133-9.