

## Autoimmunity & Transplantation: 2002-2004 Publications in top ranked journals

### 2004

Weitz-Schmidt G, Welzenbach K, Dawson J, Kallen J., Improved LFA-1 inhibition by statin derivatives: Molecular basis determined by X-ray analysis and monitoring of LFA-1 conformational changes in vitro and ex vivo. *J Biol Chem.* (2004 Aug 10).

Brinkmann V, Cyster JG, Hla T., FTY720: sphingosine 1-phosphate receptor-1 in the control of lymphocyte egress and endothelial barrier function, *Am J Transplant.* **4**(7):1019-25. (2004 Jul).

Welsch CA, Roth LW, Goetschy JF, Movva NR. Genetic, Biochemical, and Transcriptional Responses of *Saccharomyces cerevisiae* to the Novel Immunomodulator FTY720 Largely Mimic Those of the Natural Sphingolipid Phytosphingosine. *J Biol Chem.* **279**(35):36720-31. (2004).

Schuler W, Bigaud M, Brinkmann V, Di Padova F, Geisse S, Gram H, Hungerford V, Kleuser B, Kristofic C, Menninger K, Tees R, Wieczorek G, Wilt C, Wioland C, Zurini M. Efficacy and safety of ABI793, a novel human anti-human CD154 monoclonal antibody, in cynomolgus monkey renal allotransplantation. *Transplantation.* **15**;77(5):717-26. (2004 Mar).

Schaerli P, Ebert L, Willimann K, Blaser A, Roos RS, Loetscher P, Moser B. A skin-selective homing mechanism for human immune surveillance T cells. *J Exp Med.* **3**;199(9):1265-75. (2004 May).

Deola, S.; Scaramuzza, S., Birolo, R.S.; Carballido-Perrig, N.; Ficara, F.; Mocchetti, C.; Dando, J.; Carballido, J. M.; Bordignon, C.; Roncarolo, M. G.; Bregni, M.; Aiuti, A. Mobilized Blood CD34+ Cells Transduced and Selected with a Clinically Applicable Protocol Reconstitute Lymphopoiesis in SCID-Hu Mice. *Human Gene Therapy* **15**(3), 305-311. (2004).

Andriambeloson E, Cagnet C, Pally C, Klanke B, Bruns C, Zerwes HG, Bigaud M. Transplantation-induced functional/morphological changes in rat aorta allografts differ from those in arteries of rat kidney allografts. *Am J Transplant.* **4**(2):188-95. (2004 Feb).

Moser B, Wolf M, Walz A, Loetscher P. Chemokines: multiple levels of leukocyte migration control. *Trends Immunol.* **25**(2):75-84. (2004 Feb).

Rot, Antal; Von Andrian, Ulrich H. Chemokines in innate and adaptive host defense: Basic chemokine grammar for immune cells. *Annual Review of Immunology* **22** 891-928. (2004).

Lametschwandtner, G.; Biedermann, T.; Schwarzler, C.; Gunther, C.; Kund, J.; Fassl, S.; Hinteregger, S.; Carballido-Perrig, N.; Szabo, S. J.; Glimcher, L.H.; Carballido, J. Sustained T-bet expression confers polarized human TH2 cells with TH1-like cytokine production and migratory capacities. *J. Allergy Clin. Immunol.* **113**(5), 987-994. (2004).

## 2003

Beckmann N, Falk R, Zurbrugg S, Dawson J, Engelhardt P. Macrophage infiltration into the rat knee detected by MRI in a model of antigen-induced arthritis. *Magn Reson Med.* **49**(6):1047-55. (2003 Jun).

Bello-Fernandez C., Stasakova J., Renner A., Carballido-Perrig N., Koenig M., Waclavicek M., Madjic O., Oehler L., Haas O., Carballido J., Buschle M., Knapp W. Retrovirus mediated IL-7 expression in leukemic dendritic cells generated from primary acute myelogenous leukemias enhances their functional properties. *Blood* **101**, pp.2184-2190 (2003).

Tigani B, Di Padova F, Zurbrugg S, Schaeublin E, Revesz L, Fozard JR, Beckmann N. Effects of a mitogen-activated protein kinase inhibitor on allergic airways inflammation in the rat studied by magnetic resonance imaging. *Eur J Pharmacol.* **482**(1-3):319-24. (2003 Dec 15).

Zemann, Barbara; Rot, Antal. What dogs may teach humans about the vertical transmission of allergy predisposition. *Immunology* **110**(4), 427-429. (2003).

Gruber F., Hufnagl P., Hofer-Warbinek R., Schmid J., Breuss J., Huber-Beckmann R., Lucema M., Papac N., Harant H., Lindley I., Martin de R., Binder B. Direct binding of Nur77/NAK-1 to the plasminogen activator inhibitor 1 (PAI-1) promoter regulates TNF $\alpha$ -induced PAI-1 expression. *Blood* **101**, 8, pp.3042-3048 (2003).

Welsch CA, Hagiwara S, Goetschy JF, Movva NR. Ubiquitin pathway proteins influence the mechanism of action of the novel immunosuppressive drug FTY720 in *Saccharomyces cerevisiae*. *J Biol Chem.* **18**;278(29):26976-82 (2003 Jul)

Selenko-Gebauer N., Majdic O., Szekeres A., Höfler G., Guthann E., Korthäuer U., Zlabinger G., Steinberger P., Pickl W., Stockinger H., Knapp W., Stöckl J. B7-H1 (programmed death-1 ligand) on dendritic cells is involved in the induction and maintenance of T cell anergy. *J. Immunol.* **170**, pp.3637-3644(2003).

Stütz A., Pickart L., Trifilieff A., Baumruker T., Prieschl-Strassmayr E., Woisetschlager M. The Th2 cell cytokines IL-4 and IL-13 regulate found in inflammatory zone 1/resistin-like molecule a gene expression by a STAT6 and CCAAT/enhancer-binding protein-dependent mechanism. *J. Immunol.* **170**, pp.1789-1796 (2003).

Billich A., Bornancin F., Devay P., Mechtcheriakova D., Urtz N., Baumruker T. Phosphorylation of the immunomodulatory drug FTY720 by sphingosine kinases.

*J. Biol. Chem.* **278**, 48, pp.47408-47415 (2003).

Wiederkehr-Adam M., Ernst P., Müller K., Bieck E., Gombert F., Ottl J., Graff P., Grossmüller F., Heim M. Characterization of phosphopeptide motifs specific for the Src homology 2 domains of signal transducer and activator of transcription 1 (STAT1) and STAT 3. *J. Biol. Chem.* **278**, 18, pp.16117-16128 (2003).

Zemann B., Schwärzler C., Griot-Wenk M., Nefzger M., Mayer P., Schneider H., Weck de A., Carballido J., Liehl E. Oral administration of specific antigens to allergy-prone infant dogs induces IL-10 and TGF- $\beta$  expression and prevents allergy in adult life. *J. Allergy Clin. Immun.* **111**, pp.1069-1075 (2003).

## **2002**

Brinkmann V, Lynch KR. FTY720: targeting G-protein-coupled receptors for sphingosine 1-phosphate in transplantation and autoimmunity. *Curr Opin Immunol.* **14**(5):569-75. (2002 Oct)

Brinkmann, V.; Davis, M. D.; Heise, C. E.; Albert, R.; Cottens, S.; Hof, R.; Bruns, C.; Prieschl, E.; Baumruker, T.; Hiestand, P.; Foster, C. A.; Zollinger, M.; Lynch, K. R. The immune modulator FTY720 targets sphingosine 1-phosphate receptors. *J. Bio. Chem.* **277**(24), 21453-21457 (2002).

Ge B, Gram H, Di Padova F, Huang B, New L, Ulevitch RJ, Luo Y, Han J. MAPKK-independent activation of p38alpha mediated by TAB1-dependent autophosphorylation of p38alpha. *Science.* **295**(5558):1291-4. 2002 Feb 15.