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Peer-reviewed publications:

1. Carambia, A., Freund, B., Schwinge, D., Heine, M., Laschtowitz, A., **Huber, S.**, Wraith, D.C., Korn, T., Schramm, C., Lohse, A.W., Heeren, J., and Herkel, J. (2014). TGF-beta-dependent induction of CD4+CD25+Foxp3+ Tregs by liver sinusoidal endothelial cells. **J Hepatol.** 10.1016/j.jhep.2014.04.027
2. Burghardt, S., Erhardt, A., Claass, B., **Huber, S.**, Adler, G., Jacobs, T., Chalaris, A., Schmidt-Arras, D., Rose-John, S., Karimi, K., and Tiegs, G. (2013). Hepatocytes Contribute to Immune Regulation in the Liver by Activation of the Notch Signaling Pathway in T Cells. **J Immunol** 191, 5574-82.
3. Carambia, A., Frenzel, C., Bruns, O.T., Schwinge, D., Reimer, R., Hohenberg, H., **Huber, S.**, Tiegs, G., Schramm, C., Lohse, A.W., and Herkel, J. (2013). Inhibition of inflammatory CD4 T cell activity by murine liver sinusoidal endothelial cells. **J Hepatol** 58, 112-118.
4. Gagliani, N.\*, Magnani, C.F.\*, **Huber, S.\*** (\*equally contributing authors), Gianolini, M.E., Pala, M., Licona-Limon, P., Guo, B., Herbert, D.R., Bulfone, A., Trentini, F., Di Serio, C., Bacchetta, R., Andreani, M., Brockmann, L., Gregori, S., Flavell, R. A., Roncarolo, M. G. (2013). Coexpression of CD49b and LAG-3 identifies human and mouse T regulatory type 1 cells. **Nat Med.** 19, 739-46.
5. Hu, B., Elinav, E., **Huber, S.**, Strowig, T., Hao, L., Hafemann, A., Jin, C., Eisenbarth, S. C., Flavell, R.A. (2013). Microbiota-induced activation of epithelial IL-6 signaling links inflammasome-driven inflammation with transmissible cancer. **Proc Natl Acad Sci U S A.** 110, 9862-7.
6. Ostmann, A., Paust, H.J., Panzer, U., Wegscheid, C., Kapffer, S., **Huber, S.**, Flavell, R.A., Erhardt, A., and Tiegs, G. (2013). Regulatory T Cell-Derived IL-10 Ameliorates Crescentic GN. **J Am Soc Nephrol.** 24, 930-42.
7. **Huber, S.\***, Gagliani, N.\* (\*equally contributing authors), Zenewicz, L.A., Huber, F.J., Bosurgi, L., Hu, B., Hedl, M., Zhang, W., O'Connor, W., Murphy, A.J., Valenzuela, D.M., Yancopoulos, G.D., Booth, C.J. Cho, J.H., Ouyang, W., Abraham, C., and Flavell, R.A. (2012). IL-22BP is regulated by the inflammasome and modulates tumorigenesis in the intestine. **Nature** 491, 259-263. (S.H and R.A.F. are co-corresponding authors)
8. Esplugues, E.\*, **Huber, S.\*** (\*equally contributing authors), Gagliani, N., Hauser, A.E., Town, T., Wan, Y.Y., O'Connor, W., Jr., Rongvaux, A., Van Rooijen, N., Haberman, A.M., Iwakura, Y., Kuchroo, V.K., Kolls, J.K., Bluestone, J.A., Herold, K.C., and Flavell, R.A. (2011). Control of TH17 cells occurs in the small intestine. **Nature** 475, 514-518.
9. **Huber, S.\***, Gagliani, N.\*, Esplugues, E.\* (\*equally contributing authors), O'Connor, W., Jr., Huber, F.J., Chaudhry, A., Kamanaka, M., Kobayashi, Y., Booth, C.J., Rudensky, A.Y., Roncarolo, M.G., Battaglia, M., and Flavell, R.A. (2011). Th17 cells express interleukin-10 receptor and are controlled by Foxp3 and Foxp3+ regulatory CD4+ T cells in an interleukin-10-dependent manner. **Immunity** 34, 554-565.

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10. Kamanaka, M.\*, **Huber, S.\***, Zenewicz, L.A.\* (\*equally contributing authors), Gagliani, N., Rathinam, C., O'Connor, W., Jr., Wan, Y.Y., Nakae, S., Iwakura, Y., Hao, L., and Flavell, R.A. (2011). Memory/effector (CD45RB(lo)) CD4 T cells are controlled directly by IL-10 and cause IL-22-dependent intestinal pathology. **J Exp Med** 208, 1027-1040.
  11. Lüth, S., Schrader, J., Zander, S., Carambia, A., Buchkremer, J., **Huber, S.**, Reifenberg, K., Yamamura, K., Schirmacher, P., Lohse, A.W., and Herkel, J. (2011). Chronic Inflammatory IFN- $\gamma$  Signaling Suppresses Hepatocarcinogenesis in Mice by Sensitizing Hepatocytes for Apoptosis. **Cancer Res** 71, 3763-3771.
  12. Hu, B., Elinav, E., **Huber, S.**, Booth, C.J., Strowig, T., Jin, C., Eisenbarth, S.C., and Flavell, R.A. (2010). Inflammation-induced tumorigenesis in the colon is regulated by caspase-1 and NLRC4. **Proc Natl Acad Sci U S A** 107, 21635-21640.
  13. **Huber, S.**, Stahl, F.R., Schrader, J., Luth, S., Presser, K., Carambia, A., Flavell, R.A., Werner, S., Blessing, M., Herkel, J., and Schramm, C. (2009). Activin a promotes the TGF-beta-induced conversion of CD4+CD25- T cells into Foxp3+ induced regulatory T cells. **J Immunol** 182, 4633-4640.
  14. **Huber, S.**, Schrader, J., Fritz, G., Presser, K., Schmitt, S., Waisman, A., Luth, S., Blessing, M., Herkel, J., and Schramm, C. (2008). P38 MAP kinase signaling is required for the conversion of CD4+CD25- T cells into iTreg. **PLoS One** 3, e3302.
  15. Lüth, S.\*, **Huber, S.\*** (\*equally contributing authors), Schramm, C., Buch, T., Zander, S., Stadelmann, C., Bruck, W., Wraith, D.C., Herkel, J., and Lohse, A.W. (2008). Ectopic expression of neural autoantigen in mouse liver suppresses experimental autoimmune neuroinflammation by inducing antigen-specific Tregs. **J Clin Invest** 118, 3403-3410.
  16. Presser, K., Schwinge, D., Wegmann, M., **Huber, S.**, Schmitt, S., Quaas, A., Maxeiner, J.H., Finotto, S., Lohse, A.W., Blessing, M., and Schramm, C. (2008). Coexpression of TGF-beta1 and IL-10 enables regulatory T cells to completely suppress airway hyperreactivity. **J Immunol** 181, 7751-7758.
  17. Becker, C., Fantini, M.C., Schramm, C., Lehr, H.A., Wirtz, S., Nikolaev, A., Burg, J., Strand, S., Kiesslich, R., **Huber, S.**, Ito, H., Nishimoto, N., Yoshizaki, K., Kishimoto, T., Galle, P.R., Blessing, M., Rose-John, S., and Neurath, M.F. (2004). TGF-beta suppresses tumor progression in colon cancer by inhibition of IL-6 trans-signaling. **Immunity** 21, 491-501.
  18. **Huber, S.\***, Schramm, C.\* (\*equally contributing authors), Lehr, H.A., Mann, A., Schmitt, S., Becker, C., Protschka, M., Galle, P.R., Neurath, M.F., and Blessing, M. (2004). Cutting edge: TGF-beta signaling is required for the in vivo expansion and immunosuppressive capacity of regulatory CD4+CD25+ T cells. **J Immunol** 173, 6526-6531.
  19. Schramm, C.\*, **Huber, S.\*** (\*equally contributing authors), Protschka, M., Czochra, P., Burg, J., Schmitt, E., Lohse, A.W., Galle, P.R., and Blessing, M. (2004). TGFbeta regulates the CD4+CD25+ T-cell pool and the expression of Foxp3 in vivo. **Int Immunol** 16, 1241-1249.
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20. Schramm, C., Kriegsmann, J., Protschka, M., **Huber, S.**, Hansen, T., Schmitt, E., Galle, P.R., and Blessing, M. (2004). Susceptibility to collagen-induced arthritis is modulated by TGFbeta responsiveness of T cells. **Arthritis Res Ther** 6, R114-119.

Reviews:

1. Gagliani, N., Hu, B., **Huber, S.**, Elinav, E., Flavell, R. A. (2014) The Fire Within: Microbes Inflamm Tumors. *Cell* 157, 776-783
2. Nowarski, R., Gagliani, N., **Huber, S.**, Flavell, R.A. (2013). Innate immune cells in inflammation and cancer. *Cancer Immunology Research* 1, 77-84
3. **Huber, S.**, Gagliani, N., and Flavell, R.A. (2012). Life, death, and miracles: Th17 cells in the intestine. *Eur J Immunol* 42, 2238-2245.
4. Gagliani, N., **Huber, S.**, and Flavell, R.A. (2012). The Intestine: where amazing things happen. *Cell Res* 22, 277-279.
5. **Huber, S.**, and Schramm, C. (2011). Role of activin A in the induction of Foxp3+ and Foxp3- CD4+ regulatory T cells. *Crit Rev Immunol* 31, 53-60.
6. **Huber, S.**, and Flavell, R.A. (2010). Checks and balances: IL-23 in the intestine. *Immunity* 33, 150-152.
7. **Huber, S.**, and Schramm, C. (2006). TGF-beta and CD4+CD25+ regulatory T cells. *Front Biosci* 11, 1014-1023.

Book chapter:

1. Gagliani, N., and **Huber, S.** (2012). Autoimmune Diseases. Balancing pro- and anti-inflammatory CD4+ T helper cells in the intestine, InTech ISBN 980-953-307-109-6, page 51- 76
2. **Huber, S.**, Esplugues, E., and Flavell, R.A. (2011). TGF-beta and TH17 cells. TH17 cells in Health and Disease, Springer ISBN 978-1-4419-9371-7, page 41 - 45