

**PERSONAL INFORMATION**

Family name, First name: Huber, Samuel, Prof. Dr. med.

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**• EDUCATION/ TRAINING**

- 2012-2015 Medical Fellowship, Gastroenterology, I. Department of Medicine, University Medical Center Hamburg-Eppendorf, Hamburg-Germany (Mentor: Prof. A. W. Lohse)
- 2008-2012 Postdoctoral Fellowship, Department of Immunobiology, School of Medicine, Yale University (Mentor: Prof. Dr. R. A. Flavell)
- 2006-2008 Medical Residency, Internal Medicine, I. Department of Medicine, University Medical Center Hamburg-Eppendorf, Hamburg-Germany (Mentor: Prof. A.W. Lohse)
- 2005-2006 Medical Internship, St. Vincens Hospital, Mainz, Germany
- 2001-2004 M.D. Thesis, I. Department of Medicine, University of Mainz (Mentor: Prof. Dr. rer. nat. M. Blessing; grade: summa cum laude)
- 1999-2006 Studies of Human Medicine, University of Ulm, Heidelberg and Mainz

**• CURRENT POSITION(S)**

- Since 2019 Director, I. Department of Medicine (Gastroenterology), University Medical Center Hamburg-Eppendorf, Hamburg, Germany;
- Since 2018 Endowed W3 Heisenberg-Professor for Intestinal Immune Regulation, I. Department of Medicine (Gastroenterology), University Medical Center Hamburg-Eppendorf, Hamburg, Germany;
- Since 2013 Head of the Section of Molecular Immunology and Gastroenterology, I. Department of Medicine (Gastroenterology), University Medical Center Hamburg-Eppendorf, Hamburg, Germany;

**• PREVIOUS POSITIONS**

- 2016–2019 Senior Physician and head of the outpatient unit for Inflammatory bowel disease, I. Department of Medicine (Gastroenterology), University Medical Center Hamburg-Eppendorf, Hamburg, Germany;
- 2013–2017 Endowed W2 Hofschneider-Professor for Molecular Medicine, I. Department of Medicine (Gastroenterology), University Medical Center Hamburg-Eppendorf, Hamburg, Germany;
- 2011–2013 Junior research group leader, I. Department of Medicine (Gastroenterology), University Medical Center Hamburg-Eppendorf, Hamburg, Germany;

**• FELLOWSHIPS**

- 2003 Research scholarship for M.D. students; University of Mainz, Germany
- 2008 DFG (Deutsche Forschungsgemeinschaft) postdoctoral fellowship
- 2009 Brown – Coxe postdoctoral research fellowship award, Yale University
- 2010 Postdoctoral research fellowship award; 'Crohns and Colitis foundation of America'

- **10 SELECTED PUBLICATIONS AS MAIN AUTHOR**

1. Brockmann, L., Soukou, S., Steglich, B., Czarnewski, P., Zhao, L., Wende, S., Bedke, T., Ergen, C., Manthey, C., Agaloti, T., Geffken, M., Seiz, O., Parigi, S. M., Sorini, S., Geginat, J., Fujio, K., Jacobs, T., Roesch, T., Izbicki, J. R., Lohse, W. W., Flavell, R. A., Krebs, C., Gustafsson, J. A., Antonson, P., Roncarolo, M. G., Villablanca, E. J., Gagliani, N.\*, and **Huber, S.\*** (2018) Molecular and functional heterogeneity of IL-10-producing CD4(+) T cells. *Nature communications* 9: 5457.
2. Brockmann, L., Gagliani, N., Steglich, B., Giannou, A.D., Kempinski, J., Pelczar, P., Geffken, M., Mfarrej, B., Huber, F., Herkel, J., Wan, Y.Y., Esplugues, E., Battaglia, M., Krebs, C.F., Flavell, R.A.\*, and **Huber, S.\*** (2017) IL-10 Receptor Signaling Is Essential for TR1 Cell Function In Vivo. *J Immunol* 198, 1130-1141.
3. Pelczar, P., Witkowski, M., Perez, L.G., Kempinski, J., Hammel, A.G., Brockmann, L., Kleinschmidt, D., Wende, S., Haueis, C., Bedke, T., Witkowski, M., Krasemann, S., Steurer, S., Booth, C.J., Busch, P., Konig, A., Rauch, U., Benten, D., Izbicki, J.R., Rosch, T., Lohse, A.W., Strowig, T., Gagliani, N.\*, Flavell, R.A.\*, and **Huber, S.\***. (2016) A pathogenic role for T cell-derived IL-22BP in inflammatory bowel disease. *Science* 354, 358-362.
4. Gagliani, N., Vesely, M. C., Iseppon, A., Brockmann, L., Xu, H., Palm, N.W., de Zoete, M. R., Licona-Limon, P., Paiva, R.S., Ching, T., Weaver, C., Zi, X., Pan, X., Fan, R., Garmire, L.X., Cotton, M.J., Drier, Y., Bernstein, B., Geginat, J., Stockinger, B., Esplugues, E., **Huber, S.\***, and Flavell, R.A.\*. (2015). Th17 cells transdifferentiate into regulatory T cells during resolution of inflammation. *Nature* 523, 221-225.
5. Gagliani, N.\*, Magnani, C.F.\*, **Huber, S.\***, 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.
6. **Huber, S.\***, Gagliani, N.\*, 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)
7. Esplugues, E.\*, **Huber, S.\***, 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.
8. Kamanaka, M.\*, **Huber, S.\***, Zenewicz, L.A.\*, 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.
9. **Huber, S.\***, Gagliani, N.\*, Esplugues, E.\*, 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.
10. **Huber, S.\***, Schramm, C.\*, 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.

- **SELECTED PRIZES/ AWARDS**

- 2004 'Forschungsförderungspreis der Gastroenterologischen Arbeitsgemeinschaft Rheinland-Pfalz/Saarland' (research award from the local association of physicians and researchers working in the field of gastroenterology; shared with C. Schramm)
- 2007 Young investigator research award from the University Medical Center Hamburg-Eppendorf
- 2007 Young investigator research award from the Novartis Research Foundation
- 2007 'Johannes Gutenberg Promotionspreis 2006' (award for the best M.D. thesis in 2006; awarded from the University of Mainz, Germany)
- 2009 'Dr. Martini Preis' (award for the best research work published in 2008 at the University Hospital Hamburg-Eppendorf; shared with S. Lüth)
- 2010 James Hudson Brown – Alexander B. Coxe postdoctoral fellowship award, Yale University
- 2011 CCFA (Crohn's and Colitis Foundation of America) postdoctoral fellowship award
- 2012 Ernst Jung-Karriere-Förderpreis für medizinische Forschung (career development award for medical research)
- 2012 Peter Hans Hofschneider endowed W2-Professorship for Molecular Medicine awarded from the 'Stiftung Experimentelle Biomedizin'
- 2013 Dr.-Liselotte-Brauns-Preis for Internal Medicine (shared with N. Gagliani)
- 2013 DACED Zukunftspreis (Deutsche Arbeitsgemeinschaft für chronisch entzündliche Darmerkrankungen; future award from the German association of researchers working in the field of inflammatory bowel disease)
- 2013 ERC Starting grant (StG 337251; Identifying the immune and microbial network controlling the IL-22 – IL-22BP axis to open the doors for targeted therapies)
- 2017 Theodor-Frerichs-Preis (award from the German association for internal medicine for the best clinical-experimental work in Germany in 2016)
- 2017 Heisenberg endowed W3-Professorship for Intestinal Immune Regulation, awarded from the Deutsche Forschungsgemeinschaft (DFG)
- 2019 ERC Consolidator grant (CoG 865466; Spatio-temporal regulation of inflammation and tissue regeneration)