

- **Peer-reviewed original publications**

1. Gnirck, A. C., M. Wunderlich, M. Becker, T. Xiong, E. Weinert, C. Meyer-Schwesinger, L. Dumoutier, J. C. Renaud, **S. Huber**, U. Panzer, and J. E. Turner. 2019. Endogenous IL-22 is dispensable for experimental glomerulonephritis. *Am J Physiol Renal Physiol*. 316: F712-F722.
2. Calcinotto, A., A. Brevi, M. Chesi, R. Ferrarese, L. Garcia Perez, M. Grioni, S. Kumar, V. M. Garbitt, M. E. Sharik, K. J. Henderson, G. Tonon, M. Tomura, Y. Miwa, E. Esplugues, R. A. Flavell, **S. Huber**, F. Canducci, V. S. Rajkumar, P. L. Bergsagel, and M. Bellone. 2018. Microbiota-driven interleukin-17-producing cells and eosinophils synergize to accelerate multiple myeloma progression. *Nature communications* 9:4832.
3. Zhang, S. R., M. Piepke, H. X. Chu, B. R. Broughton, R. Shim, C. H. Wong, S. Lee, M. A. Evans, A. Vinh, S. Sakkal, T. V. Arumugam, T. Magnus, **S. Huber**, M. Gelderblom, G. R. Drummond, C. G. Sobey, and H. A. Kim. 2018. IL-33 modulates inflammatory brain injury but exacerbates systemic immunosuppression following ischemic stroke. *JCI Insight* 3.
4. Brockmann, L., S. Soukou, B. Steglich, P. Czarnewski, L. Zhao, S. Wende, T. Bedke, C. Ergen, C. Manthey, T. Agaloti, M. Geffken, O. Seiz, S.M. Parigi, C. Sorini, J. Geginat, K. Fujio, T. Jacobs, T. Roesch, J.R. Izbicki, A.W. Lohse, R.A. Flavell, C. Krebs, E.J. Villablanca, M.G. Roncarolo, N. Gagliani, and **S. Huber**. Analysis of the molecular and functional heterogeneity of IL-10-producing CD4⁺ T cells. *Nat Communications* 9: 5457.
5. Mathies, F., N. Steffens, D. Kleinschmidt, F. Stuhlmann, F.J. Huber, U. Roy, T. Meyer, M. Luetgehetmann, Mv. Petersdorff, O. Seiz, J. Herkel, C. Schramm, R.A. Flavell, N. Gagliani, C. Krebs, U. Panzer, Z. Abdullah, T. Strowig, T. Bedke, **S. Huber**. Colitis promotes liver pathology in the absence of Foxp3⁺ regulatory T cells. *J Immunol* 201: 3558-3568.
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7. Diefenhardt, P., A. Nosko, M. A. Kluger, J. V. Richter, C. Wegscheid, Y. Kobayashi, G. Tiegs, **S. Huber**, R. A. Flavell, R. A. K. Stahl, and O. M. Steinmetz. 2018. IL-10 Receptor Signaling Empowers Regulatory T Cells to Control Th17 Responses and Protect from GN. *J Am Soc Nephrol* 29:1825-1837.
8. Emgard, J., H. Kammoun, B. Garcia-Cassani, J. Chesne, S. M. Parigi, J. M. Jacob, H. W. Cheng, E. Evren, S. Das, P. Czarnewski, N. Sleiers, F. Melo-Gonzalez, E. Kvedaraite, M. Svensson, E. Scandella, M. R. Hepworth, **S. Huber**, B. Ludewig, L. Peduto, E. J. Villablanca, H. Veiga-Fernandes, J. P. Pereira, R. A. Flavell, and T. Willinger. 2018. Oxysterol Sensing through the Receptor GPR183 Promotes the Lymphoid-Tissue-Inducing Function of Innate Lymphoid Cells and Colonic Inflammation. *Immunity* 48:120-132 e128.
9. Parigi, S. M., P. Czarnewski, S. Das, C. Steeg, L. Brockmann, S. Fernandez-Gaitero, V. Yman, M. Forkel, C. Hoog, J. Mjosberg, L. Westerberg, A. Farnert, **S. Huber**, T. Jacobs, and E. J. Villablanca. 2018. Flt3 ligand expands bona fide innate lymphoid cell precursors in vivo. *Scientific reports* 8:154.
10. Voglis, S., S. Moos, L. Kloos, F. Wanke, M. Zayoud, P. Pelczar, A. D. Giannou, S. Pezer, M. Albers, F. Luessi, **S. Huber**, K. Schakel, and F. C. Kurschus. 2018. Regulation of IL-22BP in psoriasis. *Scientific reports* 8:5085.
11. Zhang, S. R., M. Piepke, H. X. Chu, B. R. Broughton, R. Shim, C. H. Wong, S. Lee, M. A. Evans, A. Vinh, S. Sakkal, T. V. Arumugam, T. Magnus, **S. Huber**, M. Gelderblom, G. R. Drummond, C. G. Sobey, and H. A. Kim. 2018. IL-33 modulates inflammatory brain injury but exacerbates systemic immunosuppression following ischemic stroke. *JCI Insight* doi: 10.1172/jci.insight.121560.

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13. Kleinschmidt, D., A. D. Giannou, H. M. McGee, J. Kempfski, B. Steglich, F. J. Huber, T. M. Ernst, A. M. Shiri, C. Wegscheid, E. Tasika, P. Hubener, P. Huber, T. Bedke, N. Steffens, T. Agalioi, T. Fuchs, J. Noll, H. Lotter, G. Tiegs, A. W. Lohse, J. H. Axelrod, E. Galun, R. A. Flavell, N. Gagliani, and **S. Huber**. 2017. A Protective Function of IL-22BP in Ischemia Reperfusion and Acetaminophen-Induced Liver Injury. *J Immunol* 199:4078-4090.
14. Pascual-Reguant, A., J. Bayat Sarmadi, C. Baumann, R. Noster, D. Cirera-Salinas, C. Curato, P. Pelczar, **S. Huber**, C. E. Zielinski, M. Lohning, A. E. Hauser, and E. Esplugues. 2017. TH17 cells express ST2 and are controlled by the alarmin IL-33 in the small intestine. *Mucosal Immunol* 10:1431-1442.
15. Roy, U., E. J. C. Galvez, A. Iljazovic, T. R. Lesker, A. J. Blazejewski, M. C. Pils, U. Heise, **S. Huber**, R. A. Flavell, and T. Strowig. 2017. Distinct Microbial Communities Trigger Colitis Development upon Intestinal Barrier Damage via Innate or Adaptive Immune Cells. *Cell Rep* 21:994-1008.
16. Schwinge, D., F. von Haxthausen, A. Quaas, A. Carambia, B. Otto, F. Glaser, B. Hoh, N. Thiele, T. Schoknecht, **S. Huber**, N. Steffens, A. W. Lohse, J. Herkel, and C. Schramm. 2017. Dysfunction of hepatic regulatory T cells in experimental sclerosing cholangitis is related to IL-12 signaling. *J Hepatol* 66:798-805.
17. Brockmann, L., N. Gagliani, B. Steglich, A. D. Giannou, J. Kempfski, P. Pelczar, M. Geffken, B. Mfarrej, F. Huber, J. Herkel, Y. Y. Wan, E. Esplugues, M. Battaglia, C. F. Krebs, R. A. Flavell, and **S. Huber**. 2017. IL-10 Receptor Signaling Is Essential for TR1 Cell Function In Vivo. *J Immunol* 198:1130-1141.
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21. Pelczar, P., M. Witkowski, L. G. Perez, J. Kempfski, A. G. Hammel, L. Brockmann, D. Kleinschmidt, S. Wende, C. Haueis, T. Bedke, M. Witkowski, S. Krasemann, S. Steurer, C. J. Booth, P. Busch, A. Konig, U. Rauch, D. Benten, J. R. Izbicki, T. Rosch, A. W. Lohse, T. Strowig, N. Gagliani, R. A. Flavell*, and **S. Huber***. 2016. A pathogenic role for T cell-derived IL-22BP in inflammatory bowel disease. *Science* 354:358-362.
22. Sellau, J., C. F. Alvarado, S. Hoenow, M. S. Mackroth, D. Kleinschmidt, **S. Huber**, and T. Jacobs. 2016. IL-22 dampens the T cell response in experimental malaria. *Scientific reports* 6:28058.
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26. Carambia, A., B. Freund, D. Schwinge, M. Heine, A. Laschtowitz, **S. Huber**, D. C. Wraith, T. Korn, C. Schramm, A. W. Lohse, J. Heeren, and J. Herkel. 2014. TGF-beta-dependent induction of CD4(+)CD25(+)Foxp3(+) Tregs by liver sinusoidal endothelial cells. *J Hepatol* 61:594-599.
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32. **Huber, S.***, N. Gagliani*, L. A. Zenewicz, F. J. Huber, L. Bosurgi, B. Hu, M. Hedl, W. Zhang, W. O'Connor, Jr., A. J. Murphy, D. M. Valenzuela, G. D. Yancopoulos, C. J. Booth, J. H. Cho, W. Ouyang, C. Abraham, and R. A. Flavell. 2012. IL-22BP is regulated by the inflammasome and modulates tumorigenesis in the intestine. *Nature* 491:259-263.
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35. Esplugues, E.*, **S. Huber***, N. Gagliani, A. E. Hauser, T. Town, Y. Y. Wan, W. O'Connor, Jr., A. Rongvaux, N. Van Rooijen, A. M. Haberman, Y. Iwakura, V. K. Kuchroo, J. K. Kolls, J. A. Bluestone, K. C. Herold, and R. A. Flavell. 2011. Control of TH17 cells occurs in the small intestine. *Nature* 475:514-518.
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- **Review articles**

1. Bedke, T., F. Muscate, S. Soukou, N. Gagliani, and S. **Huber**. 2019. IL-10-producing T cells and their dual functions. *Semin Immunol* 44, 101335.
2. Siracusa, F., N. Schaltenberg, E. J. Villablanca, **S. Huber**, and N. Gagliani. 2018. Dietary Habits and Intestinal Immunity: From Food Intake to CD4(+) T H Cells. *Front Immunol* 9:3177.
3. Agaloti, T., E. J. Villablanca, **S. Huber**, and N. Gagliani. 2018. TH17cell plasticity: The role of dendritic cells and molecular mechanisms. *J Autoimmun* 87:50-60.
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