

Curriculum vitae



Dr. rer. nat. Dorothee Schwinge

Principal investigator

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Postgraduate professional career

2020 - present	Principle Investigator, I. Department of Medicine University Medical Center Hamburg-Eppendorf, Hamburg, Germany
2017 - present	Co-Principle Investigator, I. Department of Medicine, University Medical Center Hamburg-Eppendorf, Hamburg, Germany
2011 - present	Post-doctoral researcher, I. Department of Medicine, University Medical Center Hamburg-Eppendorf, Hamburg, Germany

Advanced academic qualifications

2011	PhD degree: Biology, Universität Hamburg, I. Department of Medicine, Hamburg, Germany (mentor: Prof. Dr. Christoph Schramm)
2006	Graduate in Humanbiology, Philipps Universität Marburg, Department of Clinical Chemistry, Marburg, Germany (mentor: Prof. Dr. Harald Renz)

University training

2011	PhD Thesis and PhD degree, Universität Hamburg, I. Department of Medicine, Hamburg, Germany (mentor: Prof. Dr. Christoph Schramm)
2007 - 2011	PhD position
2006	Diploma thesis and Diploma degree, Philipps Universität Marburg, Department of Clinical Chemistry, Marburg, Germany (mentor: Prof. Dr. Harald Renz)
1999 - 2006	Study of Humanbiology, Philipps Universität Marburg, Marburg, Germany

Fundings

2022 - present	TRR 333 Project P02: „Intestinal metabolites and their impact on thermogenic responses by brown and white adipose tissues“, DFG
2020 - present	LFF-FV78 „Liver and autoimmunity“, State of Hamburg
2017 - 2020	LFF-FV45 „Sex dimorphism and the immune system: Relevance for diseases and immunity“, State of Hamburg

Selected awards and honours

2022	Liselotte Brauns research price for intestinal medicine
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2019	Start-up funding (Collaborative Research Centre- CRC 841)
2016	GASL (German Association of the Study of the Liver) Publication price (YAEL Foundation)
2015	Travel bursary for young scientists (Collaborative Research Centre- CRC 841)

Selected Publications

1. Müller AL, Casar C, Preti M, Krizikalla D, Gottwick C, Averhoff P, ..., Schwinge D, Schramm C, Carambia A#, Herkel J#. Inflammatory type 2 conventional dendritic cells contribute to murine and human cholangitis. **J Hepatol** 2022;Jul5;So168-8278(22)02923-3.doi:10.1016/j.jhep.2022.06.025.
2. Poch T#, Krause J#, Casar C, ..., Schwinge D, ...Altfeld M, Lohse AW, Huber S, Tolosa E#, Gagliani N #, Schramm C #. Single-cell atlas of hepatic T cells reveals expansion of liver-resident naive-like CD4+ T cells in primary sclerosing cholangitis. **J Hepatol** 2021; 24: S0168-8278(21)00219-1. doi:10.1016/j.jhep.2021.03.016
3. Stein S, Henze L, Poch T, Carambia A, Krech T, Preti M, Schuran FA, Reich M, Keitel V, Fiorotto R, Strazzabosco M, Fischer L, Li J, Müller LM, Wagner J, Gagliani N, Herkel J, Schwinge D#, Schramm C#. IL-17A/F enable cholangiocytes to restrict T cell-driven experimental cholangitis by upregulating PD-L1 expression. **J Hepatol**. 2020 Nov 13:S0168-8278(20)33759-4. doi: 0.1016/j.jhep.2020.10.035.
4. Kunzmann LK, Schoknecht T, Poch T, Henze L, Stein S, Kriz M, Grewe I, Preti M, Hartl J, Pannicke N, Peiseler M, Sebode M, Zenouzi R, Horvatits T, Böttcher M, Petersen BS, Weiler-Normann C, Hess LU, Ahrenstorf AE, Lunemann S, Martus G, Fischer L, Li J, Carambia A, Kluwe J, Huber S, Lohse AW, Franke A, Herkel J, Schramm C, Schwinge D. Monocytes as Potential Mediators of Pathogen-Induced T-Helper 17 Differentiation in Patients With Primary Sclerosing Cholangitis (PSC). **Hepatology**. 2020 Oct;72(4):1310-1326. doi: 10.1002/hep.31140.
5. Glaser F#, John C#, Engel B#, Höh B#, Weidemann S, Dieckhoff J, Stein S, Becker N, Casar C, Schuran FA, Wieschendorf B, Jessen F, Preti M, Franke A, Carambia A, Lohse AW, Ittrich H, Herkel J, Heeren J, Schramm C#, Schwinge D#. Liver infiltrating T cells regulate bile acid metabolism in experimental cholangitis. **J Hepatol** 2019;pii:S0168-8278(19)30347-2. doi: 10.1016/j.jhep.2019.05.030.
6. Ravichandran G#, Neumann K#, Berkhout LK, Weidemann S, Langeneckert AE, Schwinge D, Poch T, Huber S, Schiller B, Hess LU, Ziegler AE, Oldhafer KJ, Barikbin R, Schramm C, Altfeld M, Tiegs G. Interferon- γ -dependent immune responses contribute to the pathogenesis of sclerosing cholangitis in mice. **J Hepatol** 2019;71:773-82. doi:10.1016/j.jhep.2019.05.023.
7. van Heesch S, Witte F, Schneider-Lunitz V, Schulz JF, Adami E, Faber AB, Kirchner M, Maatz H, Blachut S, Sandmann CL, Kanda M, Worth CL, Schafer S, Calviello L, Merriott R, Patone G, Hummel O, Wyler E, Obermayer B, Mücke MB, Lindberg ELH, Trnka F, Memczak S, Schilling M, Felkin LE, Barton P, Quaife NM, Vanezis K, Diecke S, Mukai M, Mah N, Oh SJ, Kurtz A, Schramm C, Schwinge D, Sebode M, Harakalova M, Asselbergs FW, Vink A, de Weger R, Viswanathan S, Widjaja AA, Gärtner-Rommel A, Milting H, dos Remedios C, Knosalla C, Mertins P, Landthaler M, Vingron M, Linke WA, Seidman JG, Seidman CE, Rajewsky N, Ohler U, Cook SU & Hubner N. The translational landscape of the human heart. **Cell** 2019;178(1):242-260.e29. doi:10.1016/j.cell.2019.05.010.
8. Schmidt T, Schwinge D, Rolvien T, Jeschke A, Schmidt C, Neven M, Butscheidt S, Kriz M, Kunzmann L, Mussawy H, Hubert J, Hawellek T, Rütger W, Oheim R, Barvencik F, Lohse AW, Schramm C, Schinke T, Amling M. Th17 cell frequency is associated with low bone mass in primary sclerosing cholangitis. **J Hepatol**. 2019;70(5):941-953. doi:10.1016/j.jhep.2018.12.035.
9. Schwinge D#, von Haxthausen F#, Quaas A, Carambia A, Otto B, Glaser F, Höh B, Thiele N, Schoknecht T, Huber S, Steffens N, Lohse AW, Herkel J, Schramm C. Dysfunction of hepatic regulatory T cells in experimental sclerosing cholangitis is related with IL-12 signaling. **J Hepatol** 2017;66:798-805. doi:10.1016/j.jhep.2016.12.001.
10. Schwinge D, Carambia A, Quaas A, Krech T, Wegscheid C, Tiegs G, Prinz I, Lohse AW, Herkel J, Schramm C. Testosterone Suppresses Hepatic Inflammation by the Downregulation of IL-17, CXCL-9, and CXCL-10 in a Mouse Model of Experimental Acute Cholangitis. **J Immunol**. 2015;194(6):2522-30. doi:10.4049/jimmunol.1400076.

#equally contributing authors