

Christina Stehle, PhD

1 | General information:

Contact details: Division of Gastroenterology, Infectiology and Rheumatology, Charité – Universitätsmedizin Berlin and German Rheumatism Research Centre (DRFZ) in Berlin: A Leibniz Institute Charitéplatz 1, 10117 Berlin

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Current position: Team Leader, Division of Gastroenterology, Infectiology and Rheumatology, Charité – Universitätsmedizin Berlin and German Rheumatism Research Centre (DRFZ)

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2 | Academic education

2014-2021 PhD in Immunology, Humboldt University of Berlin, Germany

2011-2013 Master in Immunology, Albert-Ludwigs-University of Freiburg, Germany

2008-2011 Bachelor in Biology, Albert-Ludwigs-University of Freiburg, Germany

3 | Advanced academic qualifications:

2021 PhD thesis, “*T-bet and ROR α control lymph node formation by regulating embryonic innate lymphoid cell differentiation*”, German Rheumatism Research Center (DRFZ), a Leibniz Institute (Mentor: Chiara Romagnani)

2013 Master thesis “*Selective elimination of activated T cells by low-dose metronomic Cyclophosphamide treatment*”, Institute for Immunology, University Medical Center Freiburg (Mentor: Hans-Peter Pircher)

2011 Bachelor thesis “*Antiviral activities of genetic variants of the porcine Mx1 protein*” Institute for Virology, University Medical Center Freiburg (Mentor: Georg Kochs)

4 | Postgraduate professional career:

Since 2021 Postdoctoral fellow and Team Leader, German Rheumatism Research Centre (DRFZ) Berlin, a Leibniz Institute and Charité – Universitätsmedizin Berlin

2014-2021 PhD studies, German Rheumatism Research Centre (DRFZ) Berlin, a Leibniz Institute and Charité – Universitätsmedizin Berlin

5 | Other:

Awards/Honors

- DGfI travel scholarship and travel award, 3rd International Conference on Innate Lymphoid Cells, Tokyo, Japan (2018)
- Scholarship at the RIKEN IMS Summer School, Tokyo, Japan (2017)
- EFIS travel grant at the Natural Killer Cell Symposium, Göttingen, Germany (2015)

Other professional activities:

- Leibniz PostDoc network (since 2021)
- ZIBI graduate program (2014-2021)
- Co-organizer of the DFG Priority Program SPP 1937 Winter School Kloster Schöntal (2017)
- Short-term fellowship (Methods training) with Prof. Daniela Finke, University Children Hospital Basel, Switzerland (2017)

6 | Selected publications:

1. **Stehle C**, Rueckert T, Fiancette R, Gajdasik DW, Willis C, Ulbricht C, Durek P, Mashreghi MF, Finke D, Hauser AE, Wither DR, Chang HD, Zimmermann J, Romagnani C. T-bet and ROR α control lymph node formation by regulating embryonic innate lymphoid cell differentiation. **Nat Immunol** 2021; 22(10): 1231–1244
2. Babic M, Dimitroloulos C, Hammer Q, **Stehle C**, Heinrich F, Sarsenbbayeva A, Eisele A, Durek P, Mashreghi MF, Lisnic B, Van Snick J, Löhning M, Fillatreau S, Withers DR, Gagliani N, Huber S, Flavell RA, Polic B, Romagnani C. NK cell receptor NKG2D enforces proinflammatory features and pathogenicity of Thg1 and Th17 cells. **J Exp Med** 2020; 217(8):e20190133
3. Romero-Suárez S, Del Rio Serrato A, Bueno RJ, Brunotte-Strecker D, **Stehle C**, Figueiredo CA, Hertwig L, Dunay IR, Romagnani C, Infante-Duarte C. The Central Nervous System Contains ILC1s That Differ From NK Cells in the Response to Inflammation. **Front Immunol** 2019; 10:2337
4. Neumann C, Blume J, Roy U, Teh PP, Vasanthakumar A, Beller A, Liao Y, Heinrich F, Arenzana TL, Hackney JA, Eidenschenk C, Gálvez EJC, **Stehle C**, Heinz GA, Maschmeyer P, Sidwell T, Hu Y, Amsen D, Romagnani C, Chang HD, Kruglov A, Mashreghi MF, Shi W, Strowig T, Rutz S, Kallies A, Scheffold A. c-Maf-dependent Treg cell control of intestinal TH17 cells and IgA establishes host-microbiota homeostasis. **Nat Immunol** 2019; (4):471–481
5. **Stehle C**, Hernández DC, Romagnani C. Innate lymphoid cells in lung infection and immunity. **Immunol Rev** 2018; 286(1):102–119
6. Kawano Y, Petkau G, **Stehle C**, Durek P, Heinz GA, Tanimoto K, Karasuyama H, Mashreghi MF, Romagnani C, Melchers F. Stable lines and clones of long-term proliferating normal, genetically unmodified murine common lymphoid progenitors. **Blood** 2018; 131(18):2026–2035
7. Cossarizza A, Chang HD, Radbruch A, Akdis M, Andrä I, Annunziato F, Bacher P, Barnaba V, Battistini L, Bauer WM, Baumgart S, Becher B, Beisker W, Berek C, Blanco A, Borsellino G, Boulais PE, Brinkman RR, Büscher M, Busch DH, Bushnell TP, Cao X, Cavani A, Chattopadhyay PK, Cheng Q, Chow S, Clerici M, Cooke A, Cosma A, Cosmi L, Cumano A, Dang VD, Davies D, De Biasi S, Del Zotto G, Della Bella S, Dellabona P, Deniz G, Dessing M, Diefenbach A, Di Santo J, Dieli F, Dolf A, Donnenberg VS, Dörner T, Ehrhardt GRA, Endl E, Engel P, Engelhardt B, Esser C, Everts B, Dreher A, Falk CS, Fehniger TA, Filby A, Fillatreau S, Follo M, Förster I, Foster J, Foulds GA, Frenette PS, Galbraith D, Garbi N, García-Godoy MD, Geginat J, Ghoreschi K, Gibellini L, Goettlinger C, Goodyear CS, Gori A, Grogan J, Gross M, Grützkau A, Grummitt D, Hahn J, Hammer Q, Hauser AE, Haviland DL, Hedley D, Herrera G, Herrmann M, Hiepe F, Holland T, Hombrink P, Houston JP, Hoyer BF, Huang B, Hunter CA, Iannone A, Jäck HM, Jávega B, Jonjic S, Juelke K, Jung S, Kaiser T, Kalina T, Keller B, Khan S, Kienhöfer D, Kroneis T, Kunkel D, Kurts C, Kvistborg P, Lannigan J, Lantz O, Larbi A, LeibundGut-Landmann S, Leipold MD, Levings MK, Litwin V, Liu Y, Lohoff M, Lombardi G, Lopez L, Lovett-Racke A, Lubberts E, Ludewig B, Lugli E, Maecker HT, Martrus G, Matarese G, Maueröder C, McGrath M, McInnes I, Mei HE, Melchers F, Melzer S, Mielenz D, Mills K, Mirrer D, Mjösberg J, Moore J, Moran B, Moretta A, Moretta L, Mosmann TR, Müller S, Müller W, Münz C, Multhoff G, Munoz LE, Murphy KM, Nakayama T, Nasi M, Neudörfl C, Nolan J, Nourshargh S, O'Connor JE, Ouyang W, Oxenius A, Palankar R, Panse I, Peterson P, Peth C, Petriz J, Philips D, Pickl W, Piconese S, Pinti M, Pockley AG, Podolska MJ, Pucillo C, Quataert SA, Radstake TRDJ, Rajwa B, Rebhahn JA, Recktenwald D, Remmerswaal EBM, Rezvani K, Rico LG, Robinson JP, Romagnani C, Rubartelli A, Ruckert B, Ruland J, Sakaguchi S, Sala-de-Oyanguren F, Samstag Y, Sanderson S, Sawitzki B, Scheffold A, Schiemann M, Schildberg F, Schimisky E, Schmid SA, Schmitt S, Schober K, Schüler T, Schulz AR, Schumacher T, Scotta C, Shankey TV, Shemer A, Simon AK, Spidlen J, Stall AM, Stark R, **Stehle C**, Stein M, Steinmetz T, Stockinger H, Takahama Y, Tarnok A, Tian Z, Toldi G, Tornack J, Traggiai E, Trotter J, Ulrich H, van der Braber M, van Lier RAW, Veldhoen M, Vento-Asturias S, Vieira P, Voehringer D, Volk HD, von Volkman K, Waisman A, Walker R, Ward MD, Warnatz K, Warth S, Watson JV, Watzl C, Wegener L, Wiedemann A, Wienands J, Willmsky G, Wing J, Wurst P, Yu L, Yue A, Zhang Q, Zhao Y, Ziegler S, Zimmermann J. Guidelines for the use of flow cytometry and cell sorting in immunological studies. **Eur J Immunol** 2017; 47(10):1584–1797
8. Paclik D, **Stehle C**, Lahmann A, Hutloff A, Romagnani C. ICOS regulates the pool of group 2 innate lymphoid cells under homeostatic and inflammatory conditions in mice. **Eur J Immunol** 2015; 45(10):2766–2772
9. **Stehle C**, Saikali P, Romagnani C. Putting the brakes on ILC2 cells. **Nat Immunol** 2015; 17(1):43–44