

Stehle, Christina, PhD (B06)

Personal Data

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| Title | Dr. |
| First name | Christina |
| Name | Stehle |
| Current position | Team Leader, Division of Gastroenterology, Infectiology and Rheumatology, Charité – Universitätsmedizin Berlin and German Rheumatism Research Centre (DRFZ), Berlin, Germany |
| Current institution(s)/site(s), country | Division of Gastroenterology, Infectiology and Rheumatology, Charité – Universitätsmedizin Berlin and German Rheumatism Research Centre (DRFZ) in Berlin: A Leibniz Institute, Charitéplatz 1, 10117 Berlin, Germany |
| Identifiers/ORCID | ORCID-ID: 0000-0001-5016-0588 |

Qualifications and Career

| Stages | Periods and Details |
|--|---|
| Degree programme: Biology | 2008 – 2013, BSc Biology, MSc Immunology, Albert-Ludwigs-University of Freiburg, Germany |
| Doctorate: PhD thesis | 15.09.2021: Supervisor: Chiara Romagnani, “ <i>T-bet and RORα control lymph node formation by regulating embryonic innate lymphoid cell differentiation</i> ”, Humboldt University of Berlin, Germany |
| Stages of academic/professional career | |
| Since 2021 | Postdoctoral Researcher and Team Leader, German Rheumatism Research Centre (DRFZ) Berlin, a Leibniz Institute and Charité – Universitätsmedizin Berlin, Germany |

Engagement in the Research System

- 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)
- Annual volunteer at the Long Night of Science
- Participation in Science-Ethics-Politics Events organized by ZIBI

Scientific Results

Category A, * contributed equally, # open access

1. Hernández-Torres DC, **Stehle C**. Embryonic ILC-poiesis across tissues. **Front Immunol** 2022; 13:1040624. doi: 10.3389/fimmu.2022.1040624. #

2. Jarick KJ, Topczewska PM, Jakob MO, Yano H, Arifuzzaman M, Gao X, Boulekou S, Stokic-Trtica V, Leclère PS, Preußner A, Rompe ZA, Stamm A, Tsou AM, Chu C, Heinrich FR, Guerra GM, Durek P, Ivanov A, Beule D, Helfrich S, Duerr CU, Kühl AA, **Stehle C**, Romagnani C, Mashreghi MF, Diefenbach A, Artis D, Klose CSN. Non-redundant functions of group 2 innate lymphoid cells. **Nature** 2022; 611(7937):794-800. doi: 10.1038/s41586-022-05395-5.
3. **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. doi: 10.1038/s41590-021-01029-6.
4. Babic M, Dimitroloulos C, Hammer Q, **Stehle C**, Heinrich F, Sarsenbayeva 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. doi: 10.1084/jem.20190133. #
5. 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. doi: 10.3389/fimmu.2019.02337. #
6. 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; 20(4):471-481. doi: 10.1038/s41590-019-0316-2.
7. **Stehle C**, Hernández DC, Romagnani C. Innate lymphoid cells in lung infection and immunity. **Immunol Rev** 2018; 286(1):102-119. doi: 10.1111/imr.12712.
8. 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. doi: 10.1182/blood-2017-09-805259. #
9. 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):2766-72. doi: 10.1002/eji.201545635. #
10. **Stehle C**, Saikali P, Romagnani C. Putting the brakes on ILC2 cells. **Nat Immunol** 2016; 17(1):43-4. doi: 10.1038/ni.3353.

Academic Distinctions

- 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)