

Curriculum Vitae

Marc Ehlers Professor, Dr. rer. nat.
d.o.b. November 01st, 1966, in Salzgitter, Germany

University Education

1997 Doctorate Biology, RWTH Aachen, Germany
1988–1993 Studies of Biology, RWTH Aachen, Germany

Scientific Career

Since 2017 Member of the German Center for Lung Research (DZL)
Since 2010 W2 Professor at the University of Lübeck, Germany; currently Head of the Laboratories of Immunology and Antibody Glycan Analysis at the Institute of Nutritional Medicine; 01.06.2015: appointment as lifetime professor
2005–2010 Head of the Laboratory of Tolerance and Autoimmunity at the German Rheumatism Research Center (DRFZ) in Berlin, an Institute of the Leibniz Association, Germany
2003–2005 Visiting Assistant Professor at The Rockefeller University, (Laboratory of Prof. J.V. Ravetch), New York, NY, USA
2002–2003 Assistant Professor at the Institute for Molecular Biology, Medical School, University of Essen, Germany
1999–2002 Group Leader at the Max Planck Institute for Immunobiology (Laboratory of Dr. V. Steimle), Freiburg, Germany
1996–1999 Post-doc at the Max Planck Institute for Immunobiology (Laboratory of Dr. V. Steimle), Freiburg, Germany

Citation Record

Total citations: 5,364; h-index: 34; h-index since 2021: 26 (Google Scholar March 16th, 2026)

Top-10 selected Publications

Lehrian S, Wasynczuk A, Petry J, Guderian M, Nouta J, Buhre JS, Lunding HB, Köcher P, Schumacher HF, Dühring L, Kurwahn K, Manzhula K, Manz R, Bartsch YC, Wuhrer M, **Ehlers M**. Anti-tumor vaccine efficacy depends on adjuvant type and associates with induced IgG subclass and glycosylation profiles. **Exp Hematol Oncol** 2025; 14 (122). doi: [10.1186/s40164-025-00708-6](https://doi.org/10.1186/s40164-025-00708-6).

Buhre JS, Tamas Pongracz T, Geisen U, Schubert M, Wang W, Nouta J, Obara M, Lehrian S, Rahmüller J, Petry J, Tran F, Schreiber S, Sümbül M, Berner D; Gerdes; Schirmer J; Longardt AC; Hoff P, Kalinke U, Ludwig RJ, Bartsch YC, Hoyer BF, Wuhrer M, **Ehlers M**. Anti-TNF therapy impairs both short- and long-term IgG responses after repeated vaccination. **Allergy** 2025; 80(2):423-439. doi: [10.1111/all.16241](https://doi.org/10.1111/all.16241).

Dühring L, Petry J, Lilienthal G-M, Bartsch YC, Kubiak M, Pfeufer C, Lehrian S, Buhre JS, Lunding HB, Kern C, Behrends J, Walsemann T, Gädert L, Sommer C, Krüger L, Blanchard V, Dehmel S, Jappe U, Rahmüller J, **Ehlers M**. Sialylation of IgE reduces FcεRIα binding and mast cell activation in vitro and increases IgE half-life in vivo. **Allergy** 2023; 78(8):2301. doi: [10.1111/all.15665](https://doi.org/10.1111/all.15665).

Petry J, Rahmüller J, Dühring L, Lilienthal G-M, Lehrian S, Buhre JS, Bartsch YC, Epp A, Lunding H, Moremen KW, Leliavski A, **Ehlers M**. Enriched blood IgG sialylation attenuates IgG-mediated and IgG-controlled-IgE-mediated allergic reactions. **J Allergy Clin Immunol** 2021; 147(2):763-767. doi: [10.1016/j.jaci.2020.05.056](https://doi.org/10.1016/j.jaci.2020.05.056).

Bartsch YC, Eschweiler S, Leliavski A, Lunding H, Wagt S, Petry J, Lilienthal G-M, Rahmüller J, de Haan N, Hölscher A, Erapanedi R, Giannou AD, Aly L, Sato R, de Neef LA, Winkler A, Braumann D, Hobusch

J, Kuhnigk K, Krémer V, Steinhaus M, Blanchard V, Gemoll T, Habermann J, Collin M, Salinas-Riesters G, Manz R, Korn T, Fukuyama H, Waisman A, Yogev N, Huber S, Rabe B, Rose-John S, Busch H, Berberich-Siebelt F, Hölscher C, Wuhrer M, **Ehlers M**. IgG Fc sialylation is regulated during the germinal center reaction upon immunization with different adjuvants. **J Allergy Clin Immunol** 2020; 146(3):652-666. doi: [10.1016/j.jaci.2020.04.059](https://doi.org/10.1016/j.jaci.2020.04.059).

Epp A, Hobusch J, Bartsch YC, Petry J, Lilienthal G-M, Koeleman CAM, Eschweiler S, Möbs C, Hall A, Morris SC, Petzold D, Engellenner C, Bitterling J, Rahmüller J, Leliavski A, Thurmann R, Collin M, Moremen KW, Strait RT, Blanchard V, Petersen A, Gemoll T, Habermann JK, Petersen F, Nandy A, Kahlert H, Hertl M, Wuhrer M, Pfützner W, Jappe U, Finkelman FD, **Ehlers M**. Sialylation of IgG antibodies inhibits IgG-mediated allergic reactions. **J Allergy Clin Immunol** 2018; 141 (1): 399-402.e8. doi: [10.1016/j.jaci.2017.06.021](https://doi.org/10.1016/j.jaci.2017.06.021).

Druz D, Matveeva O, Ince L, Harrison U, He W, Schmal C, Herzel H, Tsang AH, Kawakami N, Leliavski A, Uhl O, Yao L, Sander LE, Chen C-S, Kraus K, de Juan A, Hergenhan SM, **Ehlers M**, Koletzko B, Haas R, Solbach W, Oster H, and Scheiermann C. Lymphocyte circadian clocks control lymph node trafficking and adaptive immune responses. **Immunity** 2017; 46(1):120-132. doi: [10.1016/j.immuni.2016.12.011](https://doi.org/10.1016/j.immuni.2016.12.011).

Strait RT, Posgai MT, Mahler A, Barasa N, Jacob CO, Köhl J, **Ehlers M**, Stringer K, Shanmukappa SK, Witte D, Hossain MM, Khodoun M, Herr AB, Finkelman FD. IgG1 protects against renal disease in a mouse model of cryoglobulinemia. **Nature** 2015; 517(7535):501-504. doi: [10.1038/nature13868](https://doi.org/10.1038/nature13868).

Karsten CM, Pandey MK, Figge J, Kilchenstein R, Taylor PR, Rosas M, McDonald JU, Orr S, Berger M, Petzold D, Blanchard V, Winkler A, Hess C, Reid DM, Majoul IV, Strait RT, Harris NL, Köhl G, Wollin L, Ludwig R, Zillikens D, Nimmerjahn F, Finkelman FD, Brown GD, **Ehlers M**, Köhl J. Anti-inflammatory activity of IgG1 mediated by Fc galactosylation and association of FcγRIIB and dectin-1. **Nat Med** 2012; 18(9):1401-1406. doi: [10.1038/nm.2862](https://doi.org/10.1038/nm.2862).

Ehlers M, Fukuyama H, McGaha H, Aderem A, and Ravetch JV. TLR9/MyD88 signaling is required for class switching to pathogenic IgG2a and 2b autoantibodies in SLE. **J Exp Med** 2006; 203(3):553-561. doi: [10.1084/jem.20052438](https://doi.org/10.1084/jem.20052438).