

# 104. Jahrestagung der Deutschen Gesellschaft für Pathologie

Unser Immunsystem – der Staat im Staate  
BERLIN · 4.–6. JUNI 2020

DEUTSCHE  
GESELLSCHAFT FÜR  
PATHOLOGIE E.V.  
Seit 1897 – dem Leben verpflichtet



## Curriculum vitae

### Prof. Dr. Hans-Reimer Rodewald

Division of Cellular Immunology  
German Cancer Research Center  
Im Neuenheimer Feld 280  
69120 Heidelberg  
Germany



## Education

1980 Physikum (similar BS) at the School of Veterinary Medicine, Hannover

1983 DVM at the School of Veterinary Medicine, Hannover

1988 Ph.D. at the Max-Planck Institute for Immunobiology, Freiburg

### Post-doctoral positions

1988 Department of Cellular Immunology  
Max-Planck Institute for Immunobiology, Freiburg

1988–1989 Cancer Center, Massachusetts Institute of Technology, Boston

1989–1992 Fellow, Laboratory of Immunobiology, Dana-Farber Cancer Institute, Dept. of Pathology,  
Harvard Medical School, Boston

## Scientific positions/offers

1992–1999 Member Basel Institute for Immunology

1997 Habilitation (University Lecturer Degree)

1998 Permanent Member Basel Institute for Immunology

1998 Offer Full Professorship, Institute for Immunology, Free University Berlin

1999–2010 Chairmen, Institute for Immunology, Ulm University

2006 Offer Full Professorship, Zürich University

Since 02/2010 Head, Division for Cellular Immunology, German Cancer Research Center (DKFZ)

2012–2015 Coordinator, Tumor Immunology Program, DKFZ

2016–2019 Deputy Coordinator, Tumor Immunology Program, DKFZ

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## Memberships and awards

Member German Academy of Sciences 'Leopoldina', 2006

ERC Advanced Grant, 2009

Georges-Köhler-Lecture Freiburg, 2010

Distinguished Visiting Professor Washington University St. Louis USA, 2010

Member European Molecular Biology Organization (EMBO), 2016

German Immunology Award (former Avery-Landsteiner Award), 2016

ERC Advanced Grant, 2017

Gottfried Wilhelm Leibniz-Preis, 2019

**10 key publications** from the Rodewald laboratories at the Basel Institute for Immunology (1992-1999), the University of Ulm (2000-2010), and the German Cancer Research Center (DKFZ) in Heidelberg.

Rodewald HR, Dessing M, Dvorak AM, Galli SJ. Identification of a committed precursor for the mast cell lineage. **Science** 271: 818 (1996).

Rodewald HR, Paul S, Haller C, Bluethmann H, Blum C. Thymus medulla consisting of epithelial islets each derived from a single progenitor. **Nature** 414: 763 (2001).

Terszowski G, Müller SM, Bleul CC, Blum C, Schirmbeck R, Reimann J, DuPasquier L, Amagai T, Boehm T, Rodewald HR. Evidence for a functional second thymus in mice. **Science** 312: 284 (2006).

Schneider LA, Schlenner SM, Feyerabend TB, Wunderlin M, Rodewald HR. Molecular mechanism of mast cell-mediated innate defense against endothelin and snake venom sarafotoxin. **J. Exp. Med.** 204: 2629 (2007).

Feyerabend TB, Weiser A, Tietz A, Stassen M, Harris N, Kopf M, Radermacher P, Möller P, Benoist C, Mathis D, Fehling HJ, Rodewald HR. Cre-Mediated Cell Ablation Contest Mast Cell Contribution in Models of Antibody- and T Cell-Mediated Autoimmunity. **Immunity** 35:832 (2011).

Martins VC, Busch K, Juraeva D, Blum C, Ludwig C, Rasche V, Mastitsky S, Brors B, Hielscher T, Fehling HJ, Rodewald HR. Cell competition is a tumor suppressor mechanism in the thymus. **Nature** 509: 465 (2014).

Gomez Perdiguero E, Klapproth K, Schulz C, Busch K, Azzoni E, Crozet L, Garner H, Trouillet C, de Bruijn MF, Geissmann F, Rodewald HR. Tissue-resident macrophages originate from yolk sac-derived erythro-myeloid progenitors. **Nature** 518:547 (2015).

Busch K, Klapproth K, Barile M, Floßdorf M, Schlenner S, Holland-Letz T, Reth M, Höfer T, Rodewald HR. Fundamental properties of unperturbed hematopoiesis from stem cells in vivo. **Nature** 518:542 (2015).

Pei W, Feyerabend TB, Rössler J, Wang X, Postrach D, Busch K, Rode I, Klapproth K, Dietlein N, Quedenau C, Chen W, Sauer S, Wolf S, Höfer T, Rodewald HR. Polylox barcoding reveals hematopoietic stem cell fates realized in vivo. **Nature** 548:456 (2017).

Plum T, Xi W, Rettel M, Krijgsveld J, Feyerabend TB, Rodewald HR. Human mast cell proteome reveals unique lineage, putative functions, and structural basis for cell ablation. **Immunity** 52: 404 (2020).