

**Personal data**

Date/Place of birth: January 21<sup>st</sup> 1976, in Munich, Germany  
Position: W2 Professor (permanent)  
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**University Education**

1995-2000 Master studies in Biology, Ludwig-Maximilians-University Munich, Germany  
2001-2004 PhD in Tumor Immunology, Technical University Dresden, Germany

**Scientific Career**

2004-2005 Postdoctoral fellow, Technical University Dresden, Germany  
2005-2009 Postdoctoral fellow, Institute of Stem Cell Research, Helmholtz Center Munich, Germany  
2009-2012 Principal Investigator, Georg-Speyer-Haus Frankfurt am Main, Germany  
2012-2017 Associate Professor (W2), Dept. of Hematology/Oncology, Goethe University Frankfurt, Germany  
2017- Tenured Professor (W2), Dept. of Hematology/Oncology, Goethe University Frankfurt, Germany

**Awards, Honors and Activities**

2007 New Investigator Award (3rd pl.) International Society for Experimental Hematology  
since 2008 Reviewer for scientific journals and international funding agencies (e.g. Nat. Med., Science, Nat. Cardiovasc. Res., Lancet Hematology, Cell Stem Cell, Blood, Nat. Commun., EMBO Mol. Med., European Research Council, Cancer Research UK, MRC UK, NWO (Netherlands), British Heart Foundation)  
since 2011 Scientific committee of the UCT Science Day, Frankfurt  
since 2011 German Cancer Consortium (DKTK) representative of Frankfurt/Mainz for "Stem Cells in Oncology"  
since 2013 Faculty Member German Cancer Consortium (DKTK) for Frankfurt/Mainz  
since 2014 Extended Board Member German Stem Cell Network  
2014 Organizer of the LOEWE Summer School  
2015 Co-Organizer GSCN Annual Meeting in Frankfurt  
2015 Co-Organizer of the DKTK Retreat Frankfurt  
2017 Chair Local Organization Board ISEH Annual Meeting 2017 in Frankfurt  
since 2018 Scientific Program Committee ISEH Annual Meeting 2018  
since 2018 Co-Organizer DKTK Annual Retreat Frankfurt  
since 2019 Faculty Member LOEWE Center "Frankfurt Cancer Institute"  
since 2019 Faculty Member Excellence Cluster "Cardio-Pulmonary-Institute"  
since 2021 Mentoring program of the German Stem Cell Network  
since 2021 University Senate Commission for „Early Career Researchers“  
since 2022 University Senate Commission for „Digitalization“  
since 2024 Head of the DFG Research Group FOR5643 HERZBLUT

## Selected Publications

1. Malkomes, P., Lunger, I., Oppermann, E., Abou-El-Ardat, K., Oellerich, T., Günther, S., Canbulat, C., Bothur, S., Schnütgen, F., Yu, W., Wingert, S., Haetscher, N., Catapano, C., Dietz, M.S., Heilemann, M., Kvasnicka, H.-M., Holzer, K., Serve, H., Bechstein, W. O., Rieger, M.A. Transglutaminase 2 promotes tumorigenicity of colon cancer cells by inactivation of the tumor suppressor p53. ***Oncogene*** 40:4352–4367. (2021)
2. Dorsheimer, L.\* , Assmus, B. \* , Rasper, T., Ortman, C.A., Ecke, A., Abou-El-Ardat, K., Schmid, T., Brüne, B., Wagner, S., Serve, H., Hoffmann, J., Seeger, F., Dimmeler, S.#, Zeiher, A.M.#, Rieger, M.A.# Association of Mutations Contributing to Clonal Hematopoiesis With Prognosis in Chronic Ischemic Heart Failure. ***JAMA Cardiol.*** 4. 25–33. (2019) \*, # equal contributions.
3. Ortman, C.A., Dorsheimer, L., Abou-El-Ardat, K., Hoffrichter, J., Assmus, B., Bonig, H., Scholz, A., Pfeifer, H., Martin, H., Schmid, T., Brüne, B., Scheich, S., Steffen, B., Riemann, J., Hermann, S., Dukat, A., Bug, G., Brandts, C.H., Wagner, S., Serve, H., Rieger, M.A. Functional Dominance of CHIP-Mutated Hematopoietic Stem Cells in Patients Undergoing Autologous Transplantation. ***Cell Rep.*** 27(7):2022-2028.e3. (2019)
4. Bhayadia, R.\* , Krowiorz, K.\* , Haetscher, N.\* , Jammal, R.\* , Emmrich, S.\* , Obulkasim, A. Fiedler, J., Schwarzer, A., Rouhi, A., Heuser, M., Wingert, S., Bothur, S., Döhner, K., Mätzig, T., Ng, M., Reinhardt, D., Döhner, H., Zwaan, C. M., van den Heuvel-Eibrink, M. M., Heckl, D., Fornerod, M., Thum, T., Humphries, R. K., Rieger, M. A.#, Kuchenbauer, F.#, Klusmann, J.-H.#. The endogenous tumor suppressor microRNA-193b: therapeutic and prognostic value in acute myeloid leukemia. ***J. Clin. Oncol.*** 36:1007-1016. (2018) \*, # equal contributions.
5. Lang, F.\* , Wojcik, B.\* , Bothur S., Knecht, C., Falkenburg, J.H.F., Schroeder, T., Serve, H., Ottmann, OG., Rieger, M.A. Plastic CD34 and CD38 expression in adult B-precursor acute lymphoblastic leukemia explains ambiguity of leukemia-initiating stem cell populations. ***Leukemia*** 31, 731–734. (2017)
6. Cabezas-Wallscheid, N., Buettner, F., Sommerkamp, P., Klimmeck, D., Ladel, L., Thalheimer, F.B., Pastor-Flores, D., Roma, L., Renders, S., Zeisberger, P., Przybylla, A., Schönberger, K., Scognamiglio, R., , Altamura, S., Florian, C., Fawaz, M., Vonficht, D., Tesio, M., Collier, P., Pavlinic, D., Geiger, H., Schroeder, T., Benes, V., Dick, T.P., Rieger, M.A., Stegle, O. and Trumpp, A. Vitamin A-Retinoic Acid Signaling Regulates Hematopoietic Stem Cell Dormancy. ***Cell*** 169:807-823. (2017)
7. Haetscher, N.\* , Feuermann, Y.\* , Wingert, S., Rehage, M., Thalheimer, F.B., Weiser, C., Bohnenberger, H., Jung, K., Schroeder, T., Serve, H., Oellerich, T., Hennighausen, L., and Rieger, M.A. STAT5-regulated microRNA-193b controls haematopoietic stem and progenitor cell expansion by modulating cytokine receptor signalling. ***Nat. Commun.*** 6:8928. (2015)
8. Walter, D., Lier, A., Geiselhart, A., Thalheimer, F., Huntscha, S., Sobotta, M., Moehrle, B., Brocks, D., Bayindir, I., Kaschutnig, P., Muedder, K., Klein, C., Jauch, A., Schroeder, T., Geiger, H., Dick, T., Holland-Letz, T., Schmezer, P., Lane, S., Rieger, M.A., Essers, M., Williams, D., Trumpp, A., and Milsom, M. Exit from dormancy provokes de novo DNA damage-induced cellular attrition in haematopoietic stem cells. ***Nature*** 520:549-552. (2015)
9. Rengstl, B., Newrzela, S., Heinrich, T., Weiser, C., Thalheimer, F.B., Schmid, F., Warner, K., Hartmann, S., Schroeder, T., Küppers, R., Rieger, M.A.\*, Hansmann, M.L.\* Incomplete cytokinesis and re-fusion of small mononucleated Hodgkin cells lead to giant multinucleated Reed-Sternberg cells. ***Proc Natl Acad Sci U S A.*** 110:20729-34. (2013) \* shared last authorship
10. Rieger, M.A., Hoppe, P.S., Smejkal, B.M., Eitelhuber, A.C. and Schroeder, T. Hematopoietic cytokines can instruct lineage choice. ***Science***, 325: 217-218. (2009)