

## General Information

Name: Prof. Dr. Hartmut Geiger  
Date of Birth: 19.03.1970  
Gender: Male  
Address: Institute of Molecular Medicine, Ulm University  
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Phone: +49 731 50 26700  
Current Position: Director, Institute of Molecular Medicine

## Academic Education

1992-1995 M.S. in Biochemistry, University Witten/Herdecke, Germany  
1990-1992 B.S. in Chemistry, University of Karlsruhe, Germany

## Academic Degrees

Since 2013 Full Professor, Ulm University  
1999-2002 Research Fellow, University of Kentucky, Lexington, KY, Mentor: Dr. Gary Van Zant; expertise: aging, genetics and stem cell biology.  
1996-1999 Ph.D. in Biology, University of Freiburg, Germany, Max-Planck-Institute for Immunobiology, Mentors: Dr. Albrecht Müller, Dr. Michael Reth; expertise: stem cell biology.

## Professional Experience

Since 2013 Professor and Director, Institute of Molecular Medicine, Ulm University, Ulm, Germany  
Since 2013 Professor (adjunct), Division of Experimental Hematology and Cancer Biology, Department of Pediatrics, Cincinnati Children's Hospital Medical Center, University of Cincinnati, USA  
2008-2013 Professor W3, Molecular Biology of Aging, "Forschungsprofessur" KFO142 (Molecular and Cellular Mechanisms of Aging), Division of Dermatology and Allergic Diseases, Ulm University, Ulm, Germany  
2008-2013 Associate Professor (Adjunct), Division of Experimental Hematology, Department of Pediatrics, Cincinnati Children's Hospital Medical Center, University of Cincinnati, USA  
2002-2008 Assistant Professor, Division of Experimental Hematology, Department of Pediatrics, Cincinnati Children's Hospital Medical Center, University of Cincinnati

## Miscellaneous

### Awards / Honors:

2005-2009 New Scholar in Aging, The Ellison Medical Foundation  
1999-2002 Research Fellow of the Deutsche Akademie der Naturforscher Leopoldina  
1992-1994 Elected Member of the Senate of the University Witten/Herdecke

### Positions:

Since 2018 President, German Stem Network (GSCN)

## Publications

1. Sacma M, Pospiech J, Bogeska R, de Back W, Mallm JP, Sakk V, Soller K, Marka G, Vollmer A, Karns R, Cabezas-Wallscheid N, Trumpp A, Mendez-Ferrer S, Milsom MD, Mulaw MA, Geiger H, Florian MC. Haematopoietic stem cells in perisinusoidal niches are protected from ageing. **Nat Cell Biol.** 2019;21(11):1309-20.

2. Leins H, Mulaw M, Eiwen K, Sakk V, Liang Y, Denkinger M, [Geiger H](#)\*, Schirmbeck R\*. Aged murine hematopoietic stem cells drive aging-associated immune remodeling. **Blood**. 2018;132(6):565-76. \*Equal contribution
3. Grigoryan A, Guidi N, Senger K, Liehr T, Soller K, Marka G, Vollmer A, Markaki Y, Leonhardt H, Buske C, Lipka DB, Plass C, Zheng Y, Mulaw MA, [Geiger H](#)\*, Florian M C\*. LaminA/C regulates epigenetic and chromatin architecture changes upon aging of hematopoietic stem cells. **Genome Biol**. 2019;19:189. \*Equal contribution
4. Florian M.C, Klose M, Sacma M, Jablanovic J, Knudson L., Nattamai K, Marka G, Vollmer A, Soller K, Sakk V, Cabezas-Wallscheid N, Zheng Y, Mulaw M, Glauche I, [Geiger H](#). Aging alters the epigenetic asymmetry of HSC division. **PLoS Biol**. 2018;16(9):e2003389.
5. Brown A, [Geiger H](#). Chromosome integrity checkpoints in stem and progenitor cells: transitions upon differentiation, pathogenesis, and aging. **Cell Mol Life Sci**. 2018;75(20):3771-79.
6. Thiel V, Giaimo B, Schwarz P, Soller K, Vas V, Bartkuhn M, Blatte T, Dohner K, Bullinger L, Borggreffe T, [Geiger H](#), Oswald F. Heterodimerization of AML1/ETO with CBFbeta is required for leukemogenesis but not for myeloproliferation. **Leukemia**. 2017;31(11):2491-2502.
7. Guidi N, Sacma M, Standker L, Soller K, Marka G, Eiwen K, Weiss J, Kirchhoff F, Weil T, Cancelas J, Florian M, [Geiger H](#). Osteopontin attenuates aging-associated phenotypes of hematopoietic stem cells. **EMBO J**. 2017;36(10):840-53.
8. Cabezas-Wallscheid N, Buettner F, Sommerkamp P, Klimmeck D, Ladel L, Thalheimer F, Pastor-Flores D, Roma L, Renders S, Zeisberger P, Przybylla A, Schonberger 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, Rieger M, Stegle O, Trumpp A. Vitamin A-retinoic acid signaling regulates hematopoietic stem cell dormancy. **Cell**. 2017;169(5):807-823 e819.
9. Brown A, Pospiech J, Eiwen K, Baker D, Moehrle B, Sakk V, Nattamai K, Vogel M, Grigoryan A, [Geiger H](#). The spindle assembly checkpoint is required for hematopoietic progenitor cell engraftment. **Stem Cell Reports**. 2017;9(5):359-1368.
10. Akunuru S, [Geiger H](#). Aging, clonality, and rejuvenation of hematopoietic stem cells. **Trends Mol Med**. 2016;22(8):701-12.