

## *Curriculum Vitae*

**Ulrich Martin** Professor, Dr. rer. nat.  
d.o.b. August 16th, 1967, in Lehrte, Germany

### **University Education**

2001 Habilitation, Venia legendi for Molecular biology, Hannover Medical School (MHH)  
1994–1997 Doctorate, Institute of Medical Microbiology, Hannover Medical School (MHH)  
1988–1994 Studies of Microbiology, Genetics, Biochemistry, Immunology, Leibniz University Hannover

### **Scientific Career**

Since 2023 Coordinator of the Disease Area Regeneration & Organ Repair (ROR) of the German Center for Lung Research  
Since 2019 Vice Coordinator of REBIRTH, the Hannover Research Center for Translational Regenerative Medicine  
Since 2017 Member of the Steering Committee of “R2N – „Replace“ and „Reduce“ in Lower Saxony”  
Since 2017 Member of the Editorial Board ‘Frontiers in Medicine’  
Since 2017 honorary doctorate conferred by Sokhumi State University, Tbilisi, Georgia  
Since 2016 Member of the Editorial Board of the ‘Journal of Biological Chemistry’ and of ‘Frontiers in Translational Medicine’  
Since 2016 Senior President of the GSCN  
2015–2016 Active President of the German Stem Cell Network (GSCN)  
Since 2015 Member of the Editorial Board of the ‘International Journal of Stem cell Research & Therapy’ (IJSCT)  
Since 2014 Topical Editor of the international journal ‘Primate Biology’ and Member of the Editorial Board of the ‘Astrakhan Medical Journal’  
Since 2013 Member of the extended board and founding member of the German Stem Cell Network (GSCN)  
Since 2013 Dean of the PhD program Regenerative Sciences  
Since 2013 Member of the Steering Committee of BREATH - Biomedical Research in Endstage and Obstructive Lung Disease Hannover (German Center for Lung Research, DZL; Hannover Site)  
2011–2013 Vice Chair of the working group on Regenerative Medicine of the European Technology Platform Nanomedicine (ETPN)  
Since 2009 Member of the Editorial Board of the ‘World Journal of Stem Cells’  
Since 2008 Full Professor for ‘Cardiorespiratory Tissue Engineering’ and Director of Experimental Research of the Clinic for Cardiothoracic, Transplantation and Vascular Surgery at Hannover Medical School  
Since 2007 Head of the LEBAO, MHH  
2006–2013 Member of the Scientific Advisory Board of the German Stem Cell Society (GSZ)  
Since 2006 Vice Coordinator of the Cluster of Excellence ‘REBIRTH-From Regenerative Biology to Reconstructive Therapy’  
Since 2006 Visiting Professor and Member of the Scientific Advisory Board at People’s Friendship University, Sochi, Russia  
Since 2005 Associate Professor for ‘Experimental Lung Transplantation’ at the MHH  
2004–2012 Head of the DFG (German Research Foundation) funded Clinical Research Unit ‘Lung Transplantation’  
Since 2003 Assistant Professor for ‘Experimental Transplantation’ at the MHH  
Since 2001 Head of the area of research ‘Molecular Biotechnology and Stem Cell Research’ and Laboratory Manager of the LEBAO

Since 1997 Postdoctoral position at the Leibniz Research Laboratories for Biotechnology and Artificial Organs (LEBAO), MHH

### Awards and Honors

2010 Sir Hans Krebs Award  
2010 Science Prize of the German Technion Society  
2008 Ernst Eickhoff Award for Cardiac Surgery  
2008 Travel Award of the International Stem Cell Society

### Citation Record

Total citations: 12,195; h-index:52; h-index since 2021: 35 (Google Scholar April 26<sup>th</sup>, 2026)

### Top-10 selected Publications

Drakhlis, L., Biswanath, S., Farr, C. M., Lupanow, V., Teske, J., Ritzenhoff, K., Franke, A., Manstein, F., Bolesani, E., Kempf, H., Liebscher, S., Schenke-Layland, K., Hegermann, J., Nolte, L., Meyer, H., de la Roche, J., Thiemann, S., Wahl-Schott, C., **Martin, U.**, and Zweigerdt, R. 2021. Human heart-forming organoids recapitulate early heart and foregut development. **Nat Biotechnol** 39, no. 6:737

Kempf, H., Olmer, R., Haase, A., Franke, A., Bolesani, E., Schwanke, K., Robles-Diaz, D., Coffee, M., Gohring, G., Drager, G., Potz, O., Joos, T., Martinez-Hackert, E., Haverich, A., Buettner, F. F., **Martin, U.**, and Zweigerdt, R. 2016. Bulk cell density and Wnt/TGFbeta signalling regulate mesendodermal patterning of human pluripotent stem cells. **Nat Commun** 7:13602

Kensah, G.\*, Roa Lara, A.\*, Dahlmann, J., Zweigerdt, R., Schwanke, K., Hegermann, J., Skvorc, D., Gawol, A., Azizian, A., Wagner, S., Maier, L. S., Krause, A., Drager, G., Ochs, M., Haverich, A., Gruh, I.#, and **Martin, U.#**. 2013. Murine and human pluripotent stem cell-derived cardiac bodies form contractile myocardial tissue in vitro. **European heart journal** 34, no. 15:1134. \* #Authors contributed equally.

Templin, C., Zweigerdt, R., Schwanke, K., Olmer, R., Ghadri, J. R., Emmert, M. Y., Muller, E., Kuest, S. M., Cohrs, S., Schibli, R., Kronen, P., Hilbe, M., Reinisch, A., Strunk, D., Haverich, A., Hoerstrup, S., Luscher, T. F., Kaufmann, P. A., Landmesser, U.\*, and **Martin, U.\***. 2012. Transplantation and tracking of human-induced pluripotent stem cells in a pig model of myocardial infarction: assessment of cell survival, engraftment, and distribution by hybrid single photon emission computed tomography/computed tomography of sodium iodide symporter transgene expression. **Circulation** 126, no. 4:430. \*Authors contributed equally.

Zweigerdt, R.\*, Olmer, R.\*, Singh, H., Haverich, A., and **Martin, U.** 2011. Scalable expansion of human pluripotent stem cells in suspension culture. **Nat Protoc** 6, no. 5:689. \*Authors contributed equally.

Mauritz, C.\*, Martens, A.\*, Rojas, S. V., Schnick, T., Rathert, C., Schecker, N., Menke, S., Glage, S., Zweigerdt, R., Haverich, A., **Martin, U.#**, and Kutschka, I.#. 2011. Induced pluripotent stem cell (iPSC)-derived Flk-1 progenitor cells engraft, differentiate, and improve heart function in a mouse model of acute myocardial infarction. **Eur Heart J** 32, no. 21:2634. \*#Authors contributed equally.

Haase, A., Olmer, R., Schwanke, K., Wunderlich, S., Merkert, S., Hess, C., Zweigerdt, R., Gruh, I., Meyer, J., Wagner, S., Maier, L. S., Han, D. W., Glage, S., Miller, K., Fischer, P., Scholer, H. R., and **Martin, U.** 2009. Generation of induced pluripotent stem cells from human cord blood. **Cell Stem Cell** 5, no. 4:434

Mauritz, C., Schwanke, K., Reppel, M., Neef, S., Katsirntaki, K., Maier, L. S., Nguemo, F., Menke, S., Haustein, M., Hescheler, J., Hasenfuss, G., and **Martin, U.** 2008. Generation of functional murine cardiac myocytes from induced pluripotent stem cells. **Circulation** 118, no. 5:507

**Martin, U.**, Kiessig, V., Blusch, J. H., Haverich, A., von der Helm, K., Herden, T., and Steinhoff, G. 1998. Expression of pig endogenous retrovirus by primary porcine endothelial cells and infection of human cells. **Lancet** 352, no. 9129:692

**Martin, U.**, Bock, D., Arseniev, L., Tornetta, M. A., Ames, R. S., Bautsch, W., Kohl, J., Ganser, A., and Klos, A. 1997. The human C3a receptor is expressed on neutrophils and monocytes, but not on B or T lymphocytes. **J Exp Med** 186, no. 2:199