

Curriculum Vitae

Personal Data

Title	Prof. Dr. med., Ph.D.
First name	Matthias W.
Name	Laschke
Current position	Associate Director of the Institute for Clinical & Experimental Surgery, Saarland University
Current institution(s)/site(s), country	Institute for Clinical & Experimental Surgery, Saarland University, 66421 Homburg, Germany
Identifiers/ORCID	ORCID-ID: 0000-0002-7847-8456

Qualifications and Career

Stages	Periods and Details
Degree programme	Medical studies, 1997-2004, Saarland University, Homburg, Germany
Doctorate	Dr. med. (summa cum laude), 11.05.2004, Supervisor: Prof. Brigitte Vollmar, Institute for Clinical & Experimental Surgery, Saarland University, Germany Ph.D. in Medical Science, 12.05.2011, Supervisor: Prof. Henrik Thorlacius, Department of Surgery, Malmö University Hospital, Malmö, Lund University, Sweden
Stages of academic/professional career	2017: Primo loco, W2-Professorship for Experimental Traumatology, Friedrich-Schiller-University, Jena (offer declined) 2014: Apl. Professor, Saarland University 2009: Venia legendi in Clinical & Experimental Surgery (Medical Faculty), Saarland University; appointment to Associate Director of the Institute for Clinical & Experimental Surgery, Saarland University 2005-2006: Ph.D. program at the Department of Surgery, Malmö University Hospital, Malmö, Lund University, Sweden 2004: Postdoc, Institute for Clinical & Experimental Surgery (Prof. Michael D. Menger), Saarland

	University
	2004: License to practice medicine

Activities in the Research System

Committee involvement and activities in the field of academic self-governance

- Since 2022: Member of the selection committee for the research award “Alternatives to animal experiments”, Saarland
- Since 2020: Member of the selection committee for the “Alois Lauer Advancement Award for Medicine”, Alois Lauer Foundation
- Since 2020: Member of the external advisory board of the “Interdisciplinary Center for Clinical Research (IZKF)”, Julius-Maximilians-Universität Würzburg
- Since 2019: 2. Chairman, Section Surgical Research, German Society of Surgery (DGCH)
- Since 2017: Member of the external advisory board of the “Study Center of the German Society of Surgery (SDGC)“
- Since 2015: Chairman of the commission for animal experiments, Saarland
- Since 2014: Member of the commission for animal experiments, Saarland
- 2012-2019: Treasurer, Section Surgical Research, German Society of Surgery (DGCH)
- Since 2012: Member of the academic mid-level faculty in the extended faculty council and advisory board for clinical medicine, Medical Faculty, Saarland University

Membership in scientific societies

- German Society of Surgery
- Section Surgical Research, German Society of Surgery
- German Society of Microcirculation and Vascular Biology
- World Endometriosis Society

Member of the editorial board

- European Surgical Research (2012-2023)
- Innovative Surgical Sciences (2016-2023)
- Human Reproduction (2015-2018)
- European Cells & Materials (2014-2017)
- Forumband der Deutschen Gesellschaft für Chirurgie und der Deutschen Gesellschaft für Allgemein- und Viszeralchirurgie (2004-2010)

Teaching activity

- Lectures: Major lecture “Surgery”, “Nutritional Medicine and Dietetics”
- Seminars: MD/PhD program, Surgical Pathophysiology
- Practical courses: "Introduction to Careers in Medicine", “Introduction in Scientific Work”
- Since 2018: Management of the MD/PhD program, Medical Faculty, Saarland University

Supervision of Researchers in Early Career Phases

Theses supervised during the last 5 years:

- Dr. med. Victor Augustin (2017, magna cum laude)
- Dr. med. Christian Giebels (2017, summa cum laude)
- Dr. med. Jörg M. Häufel (2018, magna cum laude)
- Dr. med. Christian Gräßer (2019, summa cum laude)
- Dr. rer. nat. Thomas Später (2019, summa cum laude)
- Dr. med. Philipp Karschnia (2019, summa cum laude)
- Dr. med. Florian S. Früh, Ph.D. (2020, summa cum laude)
- Dr. med. Michael S. Seifert (2021, magna cum laude)
- Dr. rer. nat. Lisa Katharina Nalbach (2021, magna cum laude)
- Dr. med. Julian Berg (2021, magna cum laude)
- Dr. rer. nat. Vivien Becker (2022, summa cum laude)
- Dr. rer. nat. Beate M. Schmitt (2022, magna cum laude)

Scientific Results

Category A

1. **The simpler, the better: Tissue vascularization using the body's own resources.** Laschke MW & Menger MD (2022) *Trends Biotechnol.* 40:281-290. DOI: 10.1016/j.tibtech.2021.07.002
2. **Suppression of endothelial miR-22 mediates non-small cell lung cancer cell-induced angiogenesis.** Gu Y, Pais G, Becker V, Körbel C, Ampofo E, Ebert E, Hohneck J, Ludwig N, Meese E, Bohle RM, Zhao Y, Menger MD & Laschke MW (2021) *Mol. Ther. Nucleic Acids* 26:849-864. DOI: 10.1016/j.omtn.2021.10.003
3. **Targeting sphingosine kinase-1 with the low MW inhibitor SKI-5C suppresses the development of endometriotic lesions in mice.** Rudzitis-Auth J, Christoffel A, Menger MD & Laschke MW (2021) *Br. J. Pharmacol.* 178:4104-4118. DOI: 10.1111/bph.15601
4. **Improvement of islet transplantation by the fusion of islet cells with functional blood vessels.** Nalbach L, Roma LP, Schmitt BM, Becker V, Körbel C, Wrublewsky S, Pack M, Später T, Metzger W, Menger MM, Frueh FS, Götz C, Lin H, Manning Fox JE, MacDonald PE, Menger MD, Laschke MW & Ampofo E (2021) *EMBO Mol. Med.* 13:e12616. DOI: 10.15252/emmm.202012616
5. **Microvascular fragments: More than just natural vascularization units.** Laschke MW, Später T & Menger MD (2021) *Trends Biotechnol.* 39:24-33. DOI: 10.1016/j.tibtech.2020.06.001
6. **Biological coating with platelet-rich plasma and adipose tissue-derived microvascular fragments improves the vascularization, biocompatibility and tissue incorporation of porous polyethylene.** Später T, Tobias AL, Menger MM, Nickels RM, Menger MD & Laschke MW (2020) *Acta Biomater.* 108:194-206. DOI: 10.1016/j.actbio.2020.03.018.
7. **Life is 3D: Boosting spheroid function for tissue engineering.** Laschke MW, Menger MD (2017) *Trends Biotechnol.* 35:133-144. DOI: 10.1016/j.tibtech.2016.08.004
8. **Adipose tissue-derived microvascular fragments improve vascularization, lymphangiogenesis, and integration of dermal skin substitutes.** Frueh FS, Später T, Lindenblatt N, Calcagni M, Giovanoli P, Scheuer C, Menger MD & Laschke MW (2017) *J. Invest. Dermatol.* 137:217-227. DOI: 10.1016/j.jid.2016.08.010
9. **Anti-angiogenic treatment strategies for the therapy of endometriosis.** Laschke MW & Menger MD (2012) *Hum Reprod. Update* 18:682-702. DOI: 10.1093/humupd/dms026

10. **Endothelial progenitor cells contribute to the vascularization of endometriotic lesions.** Laschke MW, Giebels C, Nickels RM, Scheuer C & Menger MD (2011) *Am. J. Pathol.* 178:442-50. DOI: 10.1016/j.ajpath.2010.11.037

Academic distinctions

- Scholarship of the German National Academic Foundation, 1997-2004
- Poster Award of the German Society of Microcirculation and Vascular Biology, 2000
- Calogero Pagliarello Dissertation Award of Saarland University, 2002
- Research Award „Freunde des Universitätsklinikums des Saarlandes“, 2005
- Dr.-Eduard-Martin-Award, 2005
- Selected participant of the 57th Nobel Laureate Meeting in Lindau, Germany, 2007
- Sebastian Kneipp Award, 2009
- Calogero Pagliarello Research Award of Saarland University, 2010
- Müller-Osten Award, German Society of Surgery, 2013
- Alois-Lauer-Award for Medicine, 2016
- Greatest Future Clinical Application Award, Swiss Society of Hand Surgery (SGH) and Swiss Society for Hand Rehabilitation (SGHR), 2016
- Poster Award of the German Society of Forensic Medicine, 2018

Data protection and consent to the processing of optional data

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I expressly consent to the processing of the voluntary (optional) information, including “special categories of personal data”¹ in connection with the DFG’s review and decision-making process regarding my proposal. This also includes forwarding my data to the external reviewers, committee members and, where applicable, foreign partner organisations who are involved in the decision-making process. To the extent that these recipients are located in a third country (outside the European Economic Area), I additionally consent to them being granted access to my data for the above-mentioned purposes, even though a level of data protection comparable to EU law may not be guaranteed. For this reason, compliance with the data protection principles of EU law is not guaranteed in such cases. In this respect, there may be a violation of my fundamental rights and freedoms and resulting damages. This may make it more difficult for me to assert my rights under the General Data Protection Regulation (e.g. information, rectification, erasure, compensation) and, if necessary, to enforce these rights with the help of authorities or in court.

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