

## Univ.-Prof. Dr. med. Christian Weber, MD, FESC

Institute for Cardiovascular Prevention, Ludwig-Maximilians-University (LMU), Munich, Germany

### Education & Degrees

1986 - 1993	Medical School, Ludwig-Maximilians-University (LMU), Munich
1994	MD thesis at LMU Munich ('summa cum laude')
1999	Facultas docendi and Venia legendi in Experimental Medicine
2003 - 2004	Board Certification in Internal Medicine and Cardiology

### Professional Career

1993 - 1994	Internship in Internal Medicine, Dept. Cardiovascular Medicine, LMU Munich
1995 - 1997	Postdoctoral fellow at the Center for Blood Research, Harvard Medical School
1997 - 2001	Fellow in Internal Medicine, Department of Internal Medicine, LMU Munich
2001 - 2005	Associate Professor (C3) for Molecular Cardiology, RWTH Aachen University
2005 - 2010	Chair (W3) and Director, Institute for Molecular Cardiovascular Research (IMCAR), RWTH Aachen University, Aachen
2006 - present	Professor at the Cardiovascular Research Institute Maastricht (CARIM), Maastricht
2007 - 2014	Spokesman, DFG Centre Grant FOR809 <i>Chemokines in Vascular Pathology</i> (D)
2008 - 2010	Spokesman, DFG International Graduate School GRK1508 <i>Arterial Remodeling</i> (D)
2010 - present	Chair of Vascular Medicine, Director Institute for Cardiovascular Prevention, LMU
2010 - present	Co-Spokesman Munich Heart Alliance, German Centre for Cardiovascular Research
2011 - 2016	European Coordinator, Leducq Transatlantic Network of Excellence CVGeneF(x) (D)
2014 - present	Spokesman of the DFG Collaborative Research Centre 1123 <i>Atherosclerosis</i> (D)

### Honours and Activities

2003	GlaxoSmithKline Basic Research Award, Fellow European Society of Cardiology
2004 - 2005	Arthur-Weber-Award, German Cardiac Society & Forßmann-Award
2007 - 2008	President, Society of Microcirculation & Vascular Biology (GfMVB)
2007 - 2017	Co-Founder and SAB <i>Carolus Therapeutics Inc.</i>
2008	Paul-Martini-Award & ESC Outstanding Achievement Award
2008 - 2011	Scientific Committee Member, European Atherosclerosis Society
2009	Galenus-von-Pergamon-Prize & AHA Special Recognition Award Arteriosclerosis
2010	ERC Advanced Grant <i>Atheroprotect</i> , VICI Award by NWO - The Netherlands
2012	Co-President, International Vascular Biology Meeting IVBM 2012, Wiesbaden
2012 - 2014	Chair, ESC Working Group for Atherosclerosis & Vascular Biology
2015	Alexander Schmidt-Award, Society for Thrombosis & Haemostasis Research
2016 - 2022	ERC Advanced Grant <i>PROVASC</i> , ranked #1 expert in Atherosclerosis (expertscape.com)
2018 - 2022	Chair elect and Chair, ESC Council of Basic Cardiovascular Science
2018 - 2021	Clarivate Analytics Highly Cited Researcher, #232 scientist in Biology (research.com)
2019 -	Member, National Academy of Science Leopoldina, PI Excellence Cluster SyNergy

<b>Editorial Boards</b>	Thromb & Haemost (Editor-in-Chief), Arterioscler, Thromb & Vasc Biol (Senior Associate Editor), Cardiovasc Res (Consulting Editor), Circ Res, Eur Heart J
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<b>Bibliography</b>	>660 original articles & review articles, plenaries at Gordon & Keystone conferences, total IF >5.450, citations >45.000/67.000, h-index: 114/135 (Scopus/GoogleScholar)
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### 5 most important Publications

1. Koenen RR et al. & **Weber C.** Disrupting functional interactions between platelet chemokines inhibits atherosclerosis in hyperlipidemic mice. *Nature Med.* 2009;15:97-103.
2. Zernecke A et al. & **Weber C.** Delivery of microRNA-126 by apoptotic bodies induces CXCL12-dependent vascular protection. *Science Signal.* 2009;2:ra81.
3. Schober A et al. & **Weber C.** MicroRNA-126-5p promotes endothelial proliferation and limits atherosclerosis by suppressing Dlk1. *Nature Med.* 2014;20:368-376.
4. von Hundelshausen P, et al. & **Weber C.** Structure-function mapping of the chemokine interactome enables tailored intervention in acute and chronic inflammation. *Science Transl Med.* 2017;9: eaah6650.
5. Santovito D et al. & **Weber C.** Non-canonical inhibition of caspase-3 by a nuclear microRNA confers endothelial protection by autophagy in atherosclerosis. *Science Transl Med.* 2020;12:eaaz2994.

## Funding History

1995 – 1997	Deutsche Forschungsgemeinschaft (DFG) Scholarship WE1913/1-1
1997 – 2001	Head of DFG Junior Research Group in Biomedical Sciences WE1913/2-1&2
1999 – 2001	DFG GRK-438 <i>Vascular Biology in Medicine</i> , Project A1
2002 – 2004	DFG Project Grant WE1913/2-3 ( <i>Integrin function in atherogenic recruitment</i> )
2003 – 2006	DFG Project Grant WE1913/5-1&2 ( <i>Functional role of platelet chemokines</i> )
2004 – 2007	DFG Project Grant BE1977/2-1 ( <i>MIF in atherosclerosis</i> , with Dr. J. Bernhagen)
2004 - 2007	DFG Project Grant WE1913/7-1&2 ( <i>SDF-1 and vascular progenitor cells</i> )
2005 - 2011	DFG SFB542, Project C12 ( <i>YB-1 &amp; RANTES expression</i> , with Dr. P. Mertens)
2006 - 2009	DFG Project Grant WE 1913/9-1&2 ( <i>JAM-A in inflammation / atherosclerosis</i> )
2007 - 2010	DFG Program Grant FOR809 <i>Chemokines in Vascular Pathology</i> (Spokesman)
2008 - 2009	DFG Project Grant WE 1913/13-1 ( <i>Metalloprotease function in inflammation</i> )
2008 - 2011	DFG SFB542, Project A7 ( <i>MIF and glomerulonephritis</i> , with Dr. J. Bernhagen)
2008 - 2011	DFG SFB542, Project A12 ( <i>Metalloprotease function</i> , with Dr. A. Ludwig)
2009 - 2011	DFG Excellence Initiative Molecular Science & Engineering MSE06
2008 - 2012	DFG TRR57, Project P7 ( <i>MIF receptors in organ fibrosis</i> , with Dr. H. Wasmuth)
2009 - 2013	DFG European Graduate School GRK1508 <i>Arterial Remodeling</i> (Spokesman)
2009 - 2015	European Research Council (ERC) Advanced Grant °292494 <i>Atheroprotect</i>
2010 - 2015	VICI Grant, Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO)
2010 - 2016	Leducq Transatlantic Network of Excellence (European Coordinator)
2011 - 2014	DFG Program Grant FOR809 <i>Chemokines in Vascular Pathology</i> (Spokesman)
2011 - 2019	BMBF German Centre for Cardiovascular Research (DZHK), MHA VD 1.2
2012 - 2019	DFG SFB914, Project B8 ( <i>Monocytes in atherosclerosis</i> , with Dr. O. Soehnlein)
2013 - 2016	DFG SFB1054, Project B4 ( <i>Dendritic cell and T-cell plasticity in atherosclerosis</i> )
2014 - 2018	DFG SFB1123 on <i>Atherosclerosis</i> , Projects A1, B4, Z3 (Coordinator)
2016 - 2022	ERC Advanced Grant °692511 <i>PROVASC</i>
2018 – 2022	DFG SFB1123/2 on <i>Atherosclerosis</i> , Projects A1, A10, Z3
2019 – 2023	DZHK – BHF grant (with Dr. J. Erdmann) Molecular genetics of atherosclerosis
2019 - 2025	DFG Excellence Cluster SyNergy (with Dr. C. Haass); PI
<b>Total funding</b>	German Research Foundation (DFG) approx. 21 Mio. € BMBF, ERC, NWO, Leducq, Industry, etc. approx. 17 Mio. €

## Biosketch

Christian Weber is the Chair in Vascular Medicine and the Director of the Institute for Cardiovascular Prevention at Ludwig-Maximilians-University (LMU) Munich, Germany, and Van de Laar-Professor at the Cardiovascular Research Institute Maastricht (CARIM), Maastricht University, The Netherlands. After graduating and completing his training in internal medicine at LMU and Harvard Medical School, Boston, he was board-certified in clinical cardiology and appointed as a Chair in Molecular Cardiology at RWTH Aachen University. His group has a strong interest in the molecular interactions and pathophysiological functions of chemokines and immune cell subsets, as well as the role of microRNAs and their targets in vascular disease and atherosclerosis, while his clinical interests focus on developing novel biomarkers and biopharmaceuticals. He is the Spokesman of the DFG Collaborative Research Centre SFB1123 and of the partner site Munich Heart Alliance in the German Centre for Cardiovascular Research (DZHK). Among numerous awards, he is a double ERC Advanced Investigator Grant recipient and Clarivate Analytics Highly Cited Researcher 2018-2021 with more than 660 publications (>400 originals), an h-index of 111/114/135 and more than 45.000/45.000/67.000 citations (*Clarivate/Scopus/GoogleScholar*). He serves as Editor-in-Chief of *Thrombosis & Haemostasis*, Senior Associate Editor of *Arteriosclerosis, Thrombosis & Vascular Biology*, Consulting Editor of *Cardiovascular Research*, and is a co-founder of *Carolus Therapeutics Inc.* and *Cartesio Therapeutics Inc.* He is the current Chair of the ESC Council of Basic Cardiovascular Science.