

CURRICULUM VITAE

PERSONAL INFORMATION

NAME | Priv.-Doz. Dr. Michael Potente
DATE OF BIRTH | 17.12.1976
NATIONALITY | German
WEB SITE | www.angio-met-lab.com

ACADEMIC EDUCATION

09/1998 – 04/2003 Experimental doctoral thesis (MD student), Goethe-University, Frankfurt, Germany
10/1996 – 12/2002 Studies of Medicine, Goethe-University Frankfurt, Germany and University of Toronto, Toronto, ON, Canada

SCIENTIFIC DEGREES

HABILITATION | Department of Internal Medicine III, Cardiology, Goethe-University, Frankfurt, Germany 06/2013
SPECIALIST EXAM | Internal Medicine and Cardiology, Department of Internal Medicine III, Cardiology, Goethe-University, Frankfurt, Germany, 09/2011
MD THESIS | Department of Cardiovascular Physiology, Goethe-University, Frankfurt, Germany, Supervisor: Prof. Dr. R. Busse, 04/2003 (Grade: *summa cum laude*)

PROFESSIONAL CAREER

10/2016 – present Berlin Institute of Health (BIH) Visiting Professor, Max Delbrueck Center, Berlin Germany
12/2012 – present Max Planck Research Group Leader, Max Planck Institute for Heart and Lung Research, Bad Nauheim, Germany
12/2012 – present Consultant Cardiologist, Department of Internal Medicine III, Cardiology, Goethe-University, Frankfurt, Germany
10/2011 – 11/2012 Senior Physician, Department of Internal Medicine III, Cardiology, Goethe-University, Frankfurt, Germany
07/2004 – 09/2011 Resident, Department of Internal Medicine III, Cardiology (Prof. Dr. A.M. Zeiher), Goethe-University, Frankfurt, Germany
05/2003 – 07/2007 Postdoctoral Training, Institute of Cardiovascular Regeneration (Prof. Dr. S. Dimmeler), Centre for Molecular Medicine, Goethe-University, Frankfurt, Germany
01/2003 – 06/2004 Intern, Department of Internal Medicine III (Prof. Dr. A.M. Zeiher), Cardiology, Goethe-University, Frankfurt, Germany

AWARDS & HONOURS

2016 Galenus-von-Pergamon Award

- 2016 Berlin Institute of Health (BIH) Visiting Professor, Max Delbrueck Center, Berlin, Germany
- 2014 European Molecular Biology Organization (EMBO) Young Investigator
- 2012 Award of the Theodor Stern Foundation
- 2012 European Research Council (ERC) Starting Grant
- 2012 Award of the Dr. Paul und Cilli Weill-Foundation
- 2012 Editorial board member Circulation Research
- 2012 Albert Fraenkel Prize of the German Cardiac Society
- 2012 CEF-MC Adjunct Investigator, Cluster of Excellence Frankfurt Macromolecular Complexes
- 2011 Finalist for Paul Ehrlich and Ludwig Darmstaedter Prize for Young Researchers
- 2011 Principal Investigator, German Centre for Cardiovascular Research
- 2011 Principle investigator, Excellence Cluster Cardiopulmonary System
- 2009 Award of the Herbert and Hedwig Eckelmann Foundation
- 2009 Louis N. and Arnold M. Katz Basic Science Research Prize, American Heart Association
- 2007 Finalist for Melvin L. Marcus Young Investigator Award finalist, American Heart Association
- 2006 Award of the Dr. Walter and Luise Freundlich Foundation
- 2004 Best Thesis Award, Goethe-University, Faculty of Medicine
- 2003 Young Investigator Award, Goethe-University, Faculty of Medicine

RESEARCH FUNDING

- 2016 – 2017 German Centre for Cardiovascular Research (DZHK) Start-up Grant
- 2015 – 2017 European Molecular Biology Organization (EMBO) Young Investigator Programme
- 2014 – 2017 Deutsche Forschungsgemeinschaft, SFB834, Endothelial Signalling and Vascular Repair
- 2014 – 2017 LOEWE Research Cluster, Ubiquitin Networks (Ub-Net)
- 2012 – 2017 BELSPO, IAP Phase VII (ICePath)
- 2012 – 2017 European Research Council (ERC) Starting Grant, ANGIOMET
- 2012 – 2013 Leducq Transatlantic Network of Excellence, ARTEMIS
- 2012 – 2013 Adjunct Investigator Programme Grant, Cluster of Excellence Frankfurt Macromolecular Complexes (CEF-MC)
- 2011 – 2015 German Centre for Cardiovascular Research (DZHK)
- 2010 – 2013 Deutsche Forschungsgemeinschaft, SFB834, Endothelial Signalling and Vascular Repair
- 2007 – 2009 Deutsche Forschungsgemeinschaft, Individual Research Grant
- 2004 – 2005 Goethe-University, Faculty of Medicine, Young Investigator Grant

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2005 – 2007 Dr. Laleh Ghaeni (MD/PhD student; now: cardiology fellow)

	Deutsches Herzzentrum Berlin)
2007 – 2011	Dr. Virginia Guarani (PhD student; now postdoc at Harvard Medical School)
2010 – 2013	Dr. Mark Oellerich (Postdoc; now consultant at McKinsey)
2012 – 2016	Dr. Kerstin Wilhelm (Ph.D. student, now postdoc at MPI HLR)
2012 – 2016	Dr. Radiance Lim (Ph.D. student, now postdoc at MPI HLR)

EDITORIAL BOARDS

2012 – present	Circulation Research
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SOLICITED REVIEWER FOR JOURNALS (SELECTED LIST)

Nature, Science, Nature Medicine, Nature Reviews Molecular Cell Biology, Journal of Clinical Investigation, Developmental Cell, eLife, Circulation, Circulation Research, Blood, PNAS, EMBO Journal, EMBO Molecular Medicine, Nature Protocols, Nature Communications, Cell Reports, Pharmacological Reviews, Journal of Cell Science, Development

SOLICITED REVIEWER FOR GRANTS (SELECTED LIST)

European Research Council (ERC), European Molecular Biology Organisation (EMBO), Minerva Foundation (Max Planck Society), Deutsche Forschungsgemeinschaft (DFG), The Netherlands Organisation for Scientific Research (NWO), The Dutch Cancer Society (KWF Kankerbestrijding), The National Fund for Scientific Research (FWO, Belgium), Deutsche Krebshilfe

OTHER COMMISSIONS OF TRUST

2016 – present	Steering Committee, Excellence Cluster Cardiopulmonary System (ECCPS)
2014 – present	Steering Committee LOEWE Research Cluster, Ubiquitin Networks (Ub-Net)
2014 – present	Steering Committee Collaborative Research Centre SFB834

CITATION METRICS (ISI WEB OF KNOWLEDGE)

PUBLICATIONS | 30 TOTAL CITATIONS | 4292 H-INDEX | 21

10 MAIN PUBLICATIONS

1. Yu P, Wilhelm K, Dubrac A, Tung JK, Alves TC, Fang JS, Xie Y, Zhu J, Chen Z, De Smet F, Zhang J, Jin S-W, Sun L, Sun H, Kibbey RG, Hirschi KK, Hay N, Carmeliet P, Chittenden TW, Eichmann A, Potente M, Simons M. FGF-dependent metabolic control of vascular development. **NATURE** (*in press*). (IF = 40.1)
2. Wilhelm K, Happel K, Eelen G, Schoors S, Oellerich MF, Lim R, Zimmermann B, Aspalter IM, Franco CA, Boettger T, Braun T, Fruttiger M, Rajewsky K, Keller C, Bruning JC, Gerhardt H, Carmeliet P, Potente M (2016). FOXO1 couples metabolic activity and growth state in the vascular endothelium. **NATURE** 529: 216-20. (IF = 40.1)

3. Boon RA, Iekushi K, Lechner S, Seeger T, Fischer A, Heydt S, Kaluza D, Treguer K, Carmona G, Bonauer A, Horrevoets AJ, Didier N, Girmatsion Z, Biliczki P, Ehrlich JR, Katus HA, Muller OJ, Potente M, Zeiher AM, Hermeking H, Dimmeler S (2013). MicroRNA-34a regulates cardiac ageing and function. **NATURE** 495: 107-10. (IF = 42.4)
4. Guarani V, Deflorian G, Franco CA, Kruger M, Phng LK, Bentley K, Toussaint L, Dequiedt F, Mostoslavsky R, Schmidt MH, Zimmermann B, Brandes RP, Mione M, Westphal CH, Braun T, Zeiher AM, Gerhardt H, Dimmeler S, Potente M (2011). Acetylation-dependent regulation of endothelial Notch signalling by the SIRT1 deacetylase. **NATURE** 473: 234-8. (IF = 36.3)
5. Phng LK, Potente M, Leslie JD, Babbage J, Nyqvist D, Lobov I, Ondr JK, Rao S, Lang RA, Thurston G, Gerhardt H (2009). Nrarp coordinates endothelial Notch and Wnt signaling to control vessel density in angiogenesis. **DEVELOPMENTAL CELL** 16: 70-82. (IF = 13.4)
6. Bonauer A, Carmona G, Iwasaki M, Mione M, Koyanagi M, Fischer A, Burchfield J, Fox H, Doebele C, Ohtani K, Chavakis E, Potente M, Tjwa M, Urbich C, Zeiher AM, Dimmeler S (2009). MicroRNA-92a controls angiogenesis and functional recovery of ischemic tissues in mice. **SCIENCE** 324: 1710-3. (IF = 29.7)
7. Taddei A, Giampietro C, Conti A, Orsenigo F, Breviario F, Pirazzoli V, Potente M, Daly C, Dimmeler S, Dejana E (2008). Endothelial adherens junctions control tight junctions by VE-cadherin-mediated upregulation of claudin-5. **NATURE CELL BIOLOGY** 10: 923-34. (IF = 17.8)
8. Potente M, Ghaeni L, Baldessari D, Mostoslavsky R, Rossig L, Dequiedt F, Haendeler J, Mione M, Dejana E, Alt FW, Zeiher AM, Dimmeler S (2007). SIRT1 controls endothelial angiogenic functions during vascular growth. **GENES & DEVELOPMENT** 21: 2644-58. (IF = 14.8)
9. Potente M, Urbich C, Sasaki K, Hofmann WK, Heeschen C, Aicher A, Kollipara R, DePinho RA, Zeiher AM, Dimmeler S (2005). Involvement of Foxo transcription factors in angiogenesis and postnatal neovascularization. **JOURNAL OF CLINICAL INVESTIGATION** 115: 2382-92. (IF = 15.1)
10. Fisslthaler B, Popp R, Kiss L, Potente M, Harder DR, Fleming I, Busse R (1999). Cytochrome P450 2C is an EDHF synthase in coronary arteries. **NATURE** 401: 493-7. (IF = 29.5)

THREE MAIN REVIEW ARTICLES

1. Potente M, Mäkinen (2017). T. Vascular heterogeneity and specialization in development and disease. **NATURE REVIEWS MOLECULAR CELL BIOLOGY** (in press). (IF = 46.6)
2. Potente M, Carmeliet P (2017). The link between angiogenesis and endothelial metabolism. **ANNUAL REVIEW OF PHYSIOLOGY** (in press). (IF = 15.8)
3. Potente M, Gerhardt H, Carmeliet P (2011). Basic and therapeutic aspects of angiogenesis. **CELL** 146: 873-87. (IF = 32.4)

INVITED PRESENTATIONS (SELECTION FROM RECENT)

2018 Gordon Research Conference, Endothelial Cell Phenotypes in Health and Disease, Il Ciocco, Italy

2017 Gordon Research Conference, Angiogenesis, Newport, USA
2017 BACR Meeting, 3D Models & Tumour Microenvironment, Leeds, UK
2017 Keystone Symposia, Angiogenesis and Vascular Disease, Santa Fe, USA
2017 International Meeting of the SFB/TR 23, Heidelberg, Germany
2017 Joint Meeting of the ESM and EVBO Geneva, Switzerland
2017 Gordon Research Conference, Vascular Cell Biology, Ventura, USA
2016 3rd International Symposium On Diabetic Complications, Heidelberg, Germany
2016 Vasculata 2016, Uppsala, Sweden
2016 Frankfurt Conference on Ubiquitin and Autophagy, Frankfurt, Germany
2015 Annual Meeting of the British Microcirculation Society, Newcastle, UK
2015 Imperial College London Symposium on "Vascular Endothelium", London, UK
2015 VIB Conference, Metabolism in cancer and stromal cells, Leuven, Belgium
2015 FASEB Conference, HDACs, Sirtuins and Reversible Lysine Modifications, Timmendorfer Strand, Germany
2015 Gordon Research Conference, Angiogenesis, Newport, USA
2015 Joint Meeting of the ESM and EVBO, Pisa, Italy
2014 International Kloster Seeon Meeting, Angiogenesis, Kloster Seeon, Germany
2014 International Vascular Biology Meeting, Kyoto, Japan
2014 5^{eme} Congres de la Societe Francaise d'Angiogenese, Chamonix, France
2014 Keystone Symposia, Metabolism and Angiogenesis, Whistler, Canada
2013 FASEB Conference, HDACs, Sirtuins, and Reversible Acetylation in Signaling and Disease, Lucca, Italy
2013 Gordon Research Conference, Angiogenesis, Newport, USA
2012 International Kloster Seeon Meeting, Angiogenesis, Kloster Seeon, Germany
2012 Gordon Research Conference, Notch Signaling in Development, Regeneration and Disease, Lewiston, USA
2012 Cell Symposium, Angiogenesis, Metabolic Regulation, and Cancer Biology, Leuven, Belgium
2012 International Vascular Biology Meeting, Wiesbaden, Germany
2011 Joint Meeting of the European Society of Microcirculation, Munich, Germany
2011 Gordon Research Conference, Angiogenesis, Newport, USA
2011 IDIBELL Cancer Conferences on Metastasis and Angiogenesis, Barcelona, Spain