

PROF. DR. DR. h.c. PETER PAUL NAWROTH

Date of birth: 27 October, 1954
 Gender: male

Address: University Hospital Heidelberg,
 Department of Medicine I and Clinical Chemistry
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Current position: Professor (C4), Head of Department Medicine I and Clinical Chemistry;
 Head of Division Joint-IDC Translational Diabetes Program, Helmholtz
 Zentrum München

Children: three, 0 years parental leave



CURRICULUM VITAE

University education

1974 - 1980 Study of Medicine, University of Hamburg

Scientific degrees

1992 Habilitation and Venia legendi in the discipline of Internal Medicine
 University of Heidelberg, Germany; (inaugural address: *"Late Diabetic
 Complications"*)
 1980 Doctor of Medicine ("sehr gut") *"Stimulation of norepinephrine release in
 peripheral sympatic nerves by Ca²⁺-Ions and the effect of Verapamil to
 the Ca²⁺- dependent norepinephrine release"*(Mentor: Prof. Dr. Göthert)

Professional experience

Since 2016 Head Dept. Internal Med. I und Clinical Chemistry, University Heidelberg and
 Head Division Joint-IDC Translational Diabetes Program, Helmholtz Zentrum
 München
 2011 - 2012 Temporary Chairman of the Board of Directors, Univ. Hospital
 Heidelberg
 2007 - 2011 Vice-Chairman of the Board of Directors, Univ. Hospital, Heidelberg
 2006 - 2010 Member Board Faculty of Medicine, Univ. Heidelberg
 Since 2006 Head Dept. Medicine I and Clinical Chemistry, Univ. Hospital Heidelberg
 2001-2006 Head and C4-Professor Department of Medicine I (Endocrinology and
 Metabolism, Osteology, Nephrology), Univ. Hospital Heidelberg
 1999 - 2001 C3 Professorship Univ. Tübingen, Director of the Section "Vascular
 Medicine"
 1995 C3 Professorship of the Schilling-Foundation
 1993 Heisenberg Fellowship, DFG
 1991 Specialist physician for Internal Medicine
 1987 - 1999 Dept. Medicine I (Endocrinology/Nephrology), University of Heidelberg
 (Head: Prof. Dr. Dr. h.c. R. Ziegler)
 1985 - 1987 Oklahoma Medical Research Foundation, Oklahoma
 1985 "Associate Research Scientist"; Columbia University, New York
 1982 - 1985 DFG Stipend, Columbia University, New York
 1980 - 1981 Assistant Phycician, Dept. Med. (Gastroenterology; Head: Prof. Dr.
 Dölle), Univ. Tübingen

Awards and honors

- 2010 Doctor h.c. Riga Stradins Univ., Lettland
2007 Congress President: Annual meeting of the „Deutsche Diabetes Gesellschaft“ (DDG) in Hamburg, Germany
2005 Congress President: Annual Meeting of the German Society for Thrombosis and Hemostasis (GTH) in Mannheim, Germany

Editorial boards

- Since 2007 Editor in Chief “Experimental and Clinical Endocrinology and Diabetes” (ECED)

Memberships, panels and coordinating functions

- Since 2014 Speaker CRC 1118 “Reactive Metabolites as a cause of diabetic complications”
Associated Member Deutsches Zentrum für Diabetesforschung DZD
2011-2014 Council Member of the European Association for the Study of Diabetes, EASD
Since 2013 Chair SAB, Deutsches Diabetes Zentrum Düsseldorf
2009-2013 Scientific Advisory Board (SAB), Deutsches Diabetes Zentrum, Düsseldorf
2005 Member of the German Academy of Sciences Leopoldina

5 most important publications

1. Bock F, Shahzad K, Wang H, Stoyanov S, Wolter J, Dong W, Pelicci PG, Kashif M, Ranjan S, Schmidt S, Ritzel R, Schwenger V, Reymann KG, Esmon CT, Madhusudhan T, **Nawroth PP**, Isermann B. Activated protein C ameliorates diabetic nephropathy by epigenetically inhibiting the redox enzyme p66Shc. Proc Natl Acad Sci US 2013;110(2):648-53.
2. Bierhaus A, Fleming T, Stoyanov S, Leffler A, Babes A, Neacsu C, Sauer SK, Eberhardt M, Schnölzer M, Lasischka F, Neuhuber WL, Kichko TI, Konrade I, Elvert R, Mier W, Pirags V, Lukic IK, Morcos M, Dehmer T, Rabbani N, Thornalley PJ, Edelstein D, Nau C, Forbes J, Humpert PM, Schwaninger M, Ziegler D, Stern DM, Cooper ME, Haberkorn U, Brownlee M, Reeh PW, **Nawroth PP**. Methylglyoxal modification of Na(v)1.8 facilitates nociceptive neuron firing and causes hyperalgesia in diabetic neuropathy. Nat Med 2012;18:926-33.
3. Isermann B, Vinnikov I, Madhusudhan T, Herzog SUE, Kashif M, Blautzik J, Corat MAF, Zeier M, Blessing E, Oh J, Gerlitz B, Berg DT, Grinell BW, Chavakis T, Esmon C, Weiler H, Bierhaus A, **Nawroth PP**. Activated protein C protects against nephropathy by inhibiting glucose induced endothelial and podocyte apoptosis. Nat Med 2007;13: 1349-58.
4. Deane R, Yan S.D, Submamaryan R.K, LaRue B, Jovanovic S, Hogg E, Welch D, Manness L, Lin Ch, Yu J, Zhu H, Ghiso J, Frangione B, Stern A, Schmidt A.M, Armstrong D.L, Arnold B, Liliensiek B, **Nawroth PP**, Hofman F, Kindy M, Stern D, Zlokovic B. RAGE mediates amyloid- β peptide transport across the blood brain barrier and accumulation in brain. Nat Med 2003;9: 907-13.
5. Yan S.D., Chen X., Fu J., Chen M., Zhu H., Roher A., Slattery T., Zhao L., Nagashima M., Morser J., Migheli A., **Nawroth P.**, Stern D., Schmidt A.M.: RAGE and amyloid beta-peptide neurotoxicity in Alzheimers disease. Nature 382:685-691, 1996