



Charité Berlin World Health Summit

Curriculum Vitae | Detlev Ganten

Prof. Dr. med. Detlev Ganten, MD, PhD
President World Health Summit Charité Berlin
Chairman of the Board, Charité Foundation

Professor Ganten was born in Lüneburg in 1941. He studied medicine at the universities of Würzburg, Montpellier (France) and Tübingen. After taking his degree, he spent several years as a research scientist at the Clinical Research Institute in Montreal (Canada), and earned his Ph.D. at McGill University.

In 1975 Detlev Ganten was appointed Professor at the Department of Pharmacology at the University of Heidelberg.

From 1991 to 2004 Professor Ganten was the founding director and president of the Max Delbrück Center for Molecular Medicine (MDC) Berlin-Buch. He also was Director of the Department of Pharmacology at the Benjamin Franklin Medical Center of the Free University of Berlin.

From 2004 to 2008 Professor Ganten was Chief Executive Officer at the "Charité – Universitätsmedizin Berlin", the joint medical faculty of the Free University and Humboldt University of Berlin.

Since 2005 Professor Ganten is the Chairman of the Board of the Charité Foundation. Since 2009 he is also Chairman of the joint Board of Trustees of the Max Planck Institute of Colloids and Interfaces and of the Max Planck Institute of Molecular Plant Physiology.

As a research scientist in the field of hypertension, Professor Ganten elucidated fundamental mechanisms of the pathophysiology and molecular biology of high blood pressure. His area of research include the hormonal regulation of blood pressure, especially the renin-angiotensin system, and the molecular genetics of cardiovascular diseases.

Personal Data

Born on 28 March 1941 in Lüneburg; married with Dr. med. Ursula Ganten, 2 children

Education and Career

- 1962 - 64 Medical School of the University of Würzburg (Germany)
- 1964- 65 Medical School of Montpellier (France)
- 1965 Surgical Internship at the French Hospital Marakech (Morocco)
- 1966 - 68 Medical School of the University of Tübingen (Germany), Medical State Board Examination and clinical

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- 1969 - 73 residency in Tübingen and Emden
- 1969 - 73 Research Fellow and Senior Research Fellow at the Clinical Research Institute of Montreal and McGill University, Department of Experimental Medicine, Canada
- 1973 - 91 Department of Pharmacology, University of Heidelberg, Germany
- 1991 – 2004 Max Delbrück Center for Molecular Medicine (MDC) Berlin-Buch, Founding Director
- 1993 – 2004 Department of Clinical Pharmacology, Freie Universität Berlin, University Hospital Benjamin Franklin
- 2004 - 2008 Chief Executive Officer, Charité – Universitätsmedizin Berlin
- since 2005 Chairman of the Board of the Charité Foundation

Diplomas

- 1959 Agricultural Diploma („Gehilfenbrief“)
- 1965 „Diplome de la langue française“, Montpellier, France
- 1968 M.D. degree, University of Tübingen, Germany
- 1970 Medical Licence
- 1974 Ph.D., McGill University, Montreal, Canada
- 1975 Acceptance to Faculty Rank (“Habilitation”), University of Heidelberg
- 1978 Specialization in Pharmacology („Facharzt“)

Positions

- President, World Hypertension League, 1990 – 1995
- Director, Max Delbrück Center for Molecular Medicine (MDC) Berlin-Buch, September 1991 – 2004

- Health Research Council of the German Federal Ministry of Education and Research, 1992 – 1997
- Science Council of the German Federal Government, 1993 – 1998
- Director, Department of Clinical Pharmacology, Free University of Berlin, 1993 – 2004
- President, „Gesellschaft Deutscher Naturforscher und Ärzte“, 1996 – 1998
- Chairman of the Helmholtz-Association of National Research Centres (HGF), 1997 – 2001
- German National Ethics Council, 2002 – 2007
- Chief Executive Officer, Charité – Universitätsmedizin Berlin, 2004 – 2008

Current Position

- since 2005 Chairman of the Board, Charité Foundation
- since 2009 Chairman of the joint Board of Trustees of the Max Planck Institute of Colloids and Interfaces and Max Planck Institute of Molecular Plant Physiology

Awards

“Chavez Award” of the International Society of Hypertension (1981), “Sechenev Medaille” of the Medical Academy Moscow (1981), “Science Award” of the “Deutsche Liga zur Bekämpfung des hohen Blutdruckes” (1981), “Heilmeyer Medaille” of the “Gesellschaft für Fortschritte auf dem Gebiet der Inneren Medizin (1990), Max-Planck Research Award (1990), Okamoto-Award, Japan (1990), CIBA-Award of the Council for High Blood Pressure Research, American Heart Association (1992), Dr. hr. University Iasi, Rumania (1995), Federal Cross of Merit (2000), Légion d’Honneur, France (2003)

Memberships

Academy of the Sciences Heidelberg, Polish Academy of Sciences (Polska Akademia Umiejętności), Member of the Berlin-Brandenburg Academy of Sciences, Member of “Deutsche Akademie der Naturforscher Leopoldina”, Academia Europea

Editorial Activities

Journal of Molecular Medicine (editor),
Handbook of Experimental Pharmacology

Selected Publications

- Ganten, D., Hayduk, K., Brecht, H.M., Boucher, R. and Genest, J.. Evidence of renin release or production in splanchnic territory. *NATURE* 226:551-552, 1970.
- Ganten, D., Minnich, J.L., Granger, P., Hayduk, K., Brecht, H.M., Barbeau, A., Boucher, R. and Genest, J. Angiotensin-forming enzyme in brain tissue. *Science* 173:64-65, 1971.
- Phillips, M.J., Mann, J.F.E., Haebara, H., Hoffman, W.E., Dietz, R., Schelling, P. and Ganten, D. Lowering of hypertension by central saralasin in the absence of plasma renin. *Nature* 270: 445-447, 1977.
- Ganten, D., Hermann, K., Bayer, C., Unger, T. and Lang, R.E. Angiotensin synthesis in the brain and increased turnover in hypertensive rats. *Science* 221:869-871, 1983.
- Lang, R.E., Thölken, H., Ganten, D., Luft, F.C., Ruskoaho, H. and Unger, T. Atrial natriuretic factor: a circulating hormone stimulated by volume loading. *NATURE* 314:264-266, 1985.
- Ganten, U., Schröder, G., Witt, M., Zimmermann, F., Ganten, D. and Stock, G. Sexual dimorphism of blood pressure in spontaneously hypertensive rats: effects of anti-androgen treatment. *J.Hypertens.* 7:721-726, 1989.
- Hackenthal, E., Paul, M., Ganten, D. and Taugner, R. Morphology, physiology, and molecular biology of renin secretion. *Physiol. Rev.* 70:1067-1116, 1990.

- Mullins, J.J., Peters, J. and Ganten, D. Fulminant hypertension in transgenic rats harboring the mouse Ren-2 gene. *NATURE* 344:541-544, 1990.
- Hilbert, P., Lindpaintner, K., Beckmann, J., Serikawa, T., Soubrier, F., Dubay, C., Cartwright, P., DeGouyon, B., Julier, C., Takahashi, S., Vincent, M., Ganten, D., Georges, M. and Lathrop, G. Chromosomal mapping of two genetic loci associated with blood-pressure regulation in hereditary hypertensive rats. *NATURE* 353:521-529, 1991.
- Ganten, D., Wagner, J., Zeh, K., Bader, M., Michel, J.B., Paul, M., Zimmermann, F., Ruf, P., Hildenfeldt, U., Ganten, U., Kaling, M., Bachmann, S., Fukamazi, A., Mullins, J.J., Murakami, K. Species specificity of renin kinetics in transgenic rats harboring the human renin and angiotensinogen genes. *Proc Natl acad Sci USA* 89: 7806-7810, 1992
- Jacob, H.J., Lindpaintner, K., Lincoln, S.E., Kusumi, K., Bunker, R.K., Mao, Y.P., Ganten, D. Dzau, V.J. and Lander, E.S. Genetic mapping of a gene causing hypertension in the stroke-prone spontaneously hypertensive rat. *Cell* 67:213-224, 1991.
- Lindpaintner, K. and Ganten, D. The cardiac renin-angiotensin system: an appraisal of present experimental and clinical evidence. *Circ.Res.* 68:905-921, 1991.
- Schelling, P., Fischer, H. and Ganten, D. Angiotensin and cell growth: A link to cardiovascular hypertrophy? *J. Hypertens.* 9:3-15, 1991.
- Ganten, D., Wagner, J., Zeh, K., Bader, M., Michel, J.B., Paul, M., Zimmermann, F., Ruf, P., Hilgenfeldt, U. and Ganten, U. Species specificity of renin kinetics in transgenic rats harboring the human renin and angiotensinogen genes. *Proc.Natl.Acad. Sci USA* 89:7806-7810, 1992.
- Paul, M., Wagner, J., Hoffmann, S., Urata, H., Ganten, D. Transgenic rats: new experimental models for the study of candidate genes in hypertension research. *Ann. Rev. Physiol.* 56:811-829, 1994.
- Pesquero, J.B., Lindsey, C.J., Zeh, K., Paiva, A.C.M., Ganten, D., Bader, M. Molecular structure of rat B2bradykinin receptor gene. *J. Biol. Chem.* 269:26920-26925, 1994.
- Sander, M., Ganten, D., Mellon, S.H. Role of adrenal renin in the regulation of adrenal steroidogenesis by corticotropin. *Proc.Natl.Acad.Sci.USA* 91:148-152, 1994.
- Kreutz, R., Hübner, N., James, M.R., Bihoreau, M.-T., Gauguier, D., Lathrop, G.M., Ganten, D., Lindpaintner, K. Dissection of a quantitative trait locus for genetic hypertension on rat chromosome 10 *Proc Natl Acad Sci USA* (1995) 92:8778-8782, 1995.
- Rubattu, S., Volpe, M., Kreutz, R., Ganten, U., Ganten, D., Lindpaintner, K. Chromosomal mapping of quantitative trait loci contributing to stroke in a rat model of complex human disease *Nature Genetics* Vol.13:429-434, August 1996.
- Schinke, M., Baltatu, O., Böhm, M., Peters, J., Rascher, W., Brica, G., Lippoldt, A., Ganten, D., Bader, M. Blood pressure reduction and diabetes insipidus in transgenic rats deficient in brain angiotensinogen *Proc Natl Acad Sci USA* 96:3975-3980, 1999.
- Nadeau, J.H., Balling, R., Barsh, G., Beier, d., Brown, S.D.M., Bucan, M., Camper, S., Carlson, G., Copeland, N., Eppig, J., Fletcher, C., Frankel, W.N., Ganten, D., Goldowitz, D., Goodnow, C., Guenet, J.-L., Hicks, G., de Angelis, M.H., Jackson, J., Jacob, H.J., Jenkins, N., Johnson, D., Justice, M., Kay, S., Kingsley, D., Lehrach, H., Magnuson, T., Meisler, M., Poustka, A., Rinchik, E.M., Rossant, J., Russell, L.B., Schimenti, J., Shiroishi, T., Skarnes, W.C., Soriano, P., Standford, W.,
- Takahashi, J.S., Wurst, W., Zimmer, A. Functional Annotation of Mouse Genome *Science* . 291: 1251-1255, 2001.
- Bader, M., Peters, J., Baltatu, O., Müller, D.N., Luft, F.C., Ganten, D. Tissue renin-angiotensin systems: new insights from experimental animal models in hypertension research. *J Mol Med.* 79: 76-102, 2001
- Fändrich, F., Lin, X., Chai, G. X., Schulze, M., Ganten, D., Bader, M., Holle, J., Huang, D.S., Parvaresh, R., Zavazava, N., and Binas, B. Preimplantation-stage stem cells induce allogeneic graft tolerance without supplementary host conditioning. *Nat.Med.*, 8:171-178, 2002.
- Ganten, D., Deichmann, T. and Spahl, T. *Leben, Natur, Wissenschaft – Alles, was man wissen muss.* Eichborn AG, Frankfurt am Main. 2003.
- Rat Genome Sequencing Project Consortium. Genome Sequence of the Brown Norway rat yields insights into mammalian evolution. *NATURE* 428:493-521, 2004.
- Bader, M., Ganten, D. Update on tissue renin-angiotensin systems. *J Mol Med.* 86: 615-621, 2008
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- Ganten, D., Gerhardt, V., Heiling, J., Nida-Rümelin, J., *Was ist der Mensch?* Walter de Gruyter, Berlin. 2008.