

Frank L. Douglas, Ph.D., M.D.

BioInnovation Institute in Akron
President and CEO

Education

1973-1977	Cornell University Medical College, New York, NY, M.D. (Medicine)
1968-1972	Cornell University, Ithaca, New York, Ph.D. (Physical Chemistry)
1966-1968	Cornell University, Ithaca, New York, M.S. (Physical Chemistry)
1963-1966	Lehigh University, Bethlehem, PA, B.S. (Cum Laude)

Post-Graduate Training

1981-1982	National Institute of Mental Health, Alcohol, Drug Abuse and Mental Health Administration, Laboratory of Clinical Science, and Unit of Neuroendocrinology
1979-1982	National Heart, Lung and Blood Institute, National Institutes of Health, Bethesda, MD, Clinical Associate
1977-1979	Johns Hopkins University Medical School, Department of Medicine, Fellow, Baltimore, MD
1977-1979	Osler Medical Service, Johns Hopkins Medical Institution, Baltimore, MD, Internship and Residency

Professional Appointments

2007-present	Senior Fellow Ewing M. Kauffman Foundation
2006-present	Senior Partner Puretech Ventures
2006-present	Chief Scientific Advisor for Bayer Healthcare, AG.
2005-2007	Professor of the Practice, MIT Schools of Management, Engineering, and Science, and The Harvard-MIT Division of Health, Sciences and Technology Founder and Executive Director of the MIT Center of Biomedical Innovation
2002-2004	Member of the Board of Management of Aventis SA
1999-2004	Member of the Board, Aventis Pharma AG
1999-2004	Executive Vice President and Chief Scientific Officer, Aventis Pharma AG
1995-1999	Executive Vice President, Global Research, Hoechst Marion Roussel Member, Executive Committee
1992-1995	Executive Vice President, Research and Development, Marion Merrell Dow Inc. Member, Board of Directors
1992	Adjunct Professor of Medicine & Pharmacology, University of Kansas
1991	Vice President and Partner of the Biocine Company (50:50 joint venture between Ciba-Geigy and Chiron)
1988-1991	Senior Vice President and Director of Research, Ciba-Geigy Pharmaceutical Corp. Member, Pharmaceutical Division Management Committee
1987	Clinical Assistant Professor of Medicine, Robert Wood Johnson Medical School, New Jersey

1984-1988	Executive Director, Clinical Biology, Ciba-Geigy Pharmaceutical Corporation
1984-1989	Assistant Professor, Department of Medicine, and Member of Committee on Clinical Pharmacology, University of Chicago
1982-1984	Director, Hypertension Clinic, University of Chicago
1974	Adjunct Assistant Professor, Hunter College

Honors

2007	Black History Makers Award
2004	Global Pharmaceutical Chief Scientific Officer of the Year Award
2004	Medal of Honor, Johann Wolfgang von Goethe University of Frankfurt
2002	NOBCChe Lifetime Achievement Award
2001	Global Pharmaceutical R&D Director of the Year Award
1985	Chicago Heart Association: Heart of the Year Award
1986	Louis B. Russell Memorial American Heart Association Award
1983	Pharmaceutical Manufacturers Association Foundation Faculty Development Award in Clinical Pharmacology
1966	Phi Beta Kappa
1966	Omicron Delta Kappa
1965	National Science Foundation Undergraduate Research Fellowship
1965	Alpha Epsilon Delta
1963 & 1964	Williams Extemporaneous Speech Contest (First Prize)
1963-1966	Fullbright-Hays Fellowship and Travel Grant

Activities

2005-2007	Chairman of the Board of Directors of Solace Pharmaceuticals
2007-present	Chairman of the Board of Directors of Alantos
2004-2008	Member of the Board of Directors of Enlight Biosciences
2004-present	Member of the Board of Directors of Gene Logic
2005-2006	Member of the Board of directors of Archemix Inc.
2000-2003	Chairman, Executive Committee Research and Development Subsection Pharma Manufacturers Association
	Member of the Advisory Board of the Paul Ehrlich Foundation, Frankfurt, Germany
	Member of the Board of Advisors of the Basic and Biological Sciences Institute, The Johns Hopkins University

	Member of the Interdisciplinary Biosciences Advisory Council at Stanford University, Stanford, CA
	Member of the Board of Advisors of the Johann Wolfgang von Goethe University of Frankfurt, Germany
	Member of the Advisory Board of the Agency for Sciences, Technology and Research of the Government of Singapore
	Member of the Society of Trade, Industry and Science, Frankfurt, Germany
1995-1999	Member, FDA Science Board
1994-1998	Member, Corporation Visiting Committee, Department of Chemistry, Massachusetts Institute of Technology
1993-1995	Member, Board of Scientific Counselors, National Institute of Mental Health
1992-1995	Director, Industrial Research Institute
1994-2000	Member, Scientific Advisory Board of Healthcare Ventures
1994-1999	Director, National Association for Biomedical Research
1994-1995	Director, KCPT Public Television 19
1993-1995	Director, Kansas City Museum
1993-1995	Member, Committee on Undergraduate Science Education, National Research Council
1993-1996	Member, Editorial Board of Hypertension
1992-1995	Member, Board of Overseers for the New Jersey Institute of Technology
1991-1992	Chairman of Women & Minorities Leadership Committee of American Heart Assoc.
1991-1992	Program Chairman of Conference Board, Council on Management of Innovation and Technology
1991	Rutgers Science Advisory Council
1990-1992	Member, Board of Directors of American Heart Association-National
1990	Member, Advisory Board of American Lyme Disease Foundation, New York
1987-1992	Member, Board of Directors of American Heart Association, New Jersey Affiliate
	Member, Research-On-Research Committee of the Industrial Research Institute
1987-1990	Member, Board of Trustees of William Patterson College
1986-1988	Member, American Heart Association Program Committee
1981	Member, Technical Merit Review Committee, National Institute of Neurological and Communicative Diseases, NIH
1979-1981	Ex-Officio Member, Joint National Committee Task Force on Hypertension
1978-1979	Member, Committee of Pharmaceuticals, The Johns Hopkins Medical Institution
1977-1979	Member, Affirmative Action Committee, Johns Hopkins Medical Institution
1976-1978	Member, Two-Year Task Force on Minority Education in Medicine, Association of American Medical Colleges
1976-1977	Member, Task Force for Evaluation of Financial Factors Affecting the Efforts of U.S. Medical Schools to Achieve Equal Representation of Minority Students, Office of Health Opportunities, H.R.A., Department of Health and Human Services

1976-1977	Member, Committee of Health Manpower of the National Council, New York, NY
1976-1977	National President, Student National Medical Association, Inc.
1975-1986	Member, Advisory Committee of National High Blood Pressure Education Program of National Heart, Lung and Blood Institute, NIH
1969-1970	Vice Chairman, Executive Committee of the Constituent Assembly, Cornell University, Ithaca, NY
1969-1970	Member, Steering Committee of African Studies and Research Center, Cornell

Professional Societies

Fellow	High Blood Pressure Council, American Heart Association
Fellow	The Academy of Medicine of New Jersey
Founding Member	New Jersey Association of Biomedical Research
	American Association for Advancement of Science
	American College of Clinical Pharmacology
	American Heart Association
	American Society of Hypertension
	Association of Black Cardiologists
	The Federation of American Societies for Experimental Biology (The Catecholamine Club)
	International Society of Hypertension in Blacks
	New York Academy of Sciences

Bibliography

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Abstracts

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McCoy, C.E.; Frederickson, E.D.; Douglas, F.L.; Murphy, M.B., and Goldberg, L.I.: Intravenous Administration of the Dopamine (DA) Receptor Agonist, Fenoldopam, in Hypertensive Patients. *Journal of Hypertension*, V3:548, 1985

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Gilden, J.L.; Kumar, Y.; Shamsabad, F.; Singh, S.P.; Douglas, F.L.; Ellyin, F.: Hormonal Changes in Diabetic Patients with Orthostatic Hypotension. Presented at Forty Third Annual National Meeting of the American Federation for Clinical Research, Washington D.C., May 2-5, 1986. *Clin. Res.* 34 (2). 1986. 545A

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Lass, N.A.; Murphy, M.B.; Kotake, A.; Schoeller, D.; Baker, A., and Douglas, F.L.: Evaluation of Liver Function Tests in Detecting Drug Induced Hepatotoxicity in Man. X International Congress of Pharmacology, Sydney, Australia

Chang, E.B.; Fedordak, R.N.; Kotake, A.; Douglas, F.L.: Inhibition of Cholera Toxin-Stimulated Intestinal Secretion By CGS 93438 in Rats: A Potent and Specific Inhibitor of Calmodulin. *Journal of Pediatric Gastroenterology*. 88th Annual Meeting American Gastroenterological Assn. and Digestive Disease Week, Chicago, IL, May 9-15, 1987. *Gastroenterology* 92 (5 Part 2). 1987, p.1341

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Rakhit, A.; Kuwahara, S.; Soliman, V.; Kotake, A.; Douglas, F.: Unusual Pharmacokinetics of a Novel Inverse Benzodiazepine Agonist, CGS 8216 in Dog. Presented at the ASPET meeting in Honolulu, Hawaii, August, 1987

Sandmann, B.J.; Strickland, W.; Douglas, F.; Kotake, A.; Nagy, I.: Formulation of an Intravenous Solution for a Water Insoluble Drug. *JUC Pharmaceutical Science*: Vol. 76 (11) 1987 S295. Joint Japan USA Congress of Pharmaceutical Sciences, Honolulu, Hawaii, December 2-7, 1987

Vermeulen, J.D.; Kuwahara, S.K.; Thompson, T.A.; Kotake, A.N.; Tripp, S.L.; Douglas, F.: HPLC Gradient Separation of Eight Urinary Metabolites of CGS 8216. Presented at the September, 1987, American Association of Pharmaceutical Sciences Eastern Regional Meeting

Weir, M.R.; Klassen, D.; Hoover, N.; Douglas, F.: Effects of a Thromboxane Synthetase-Inhibitor (CGS 13080) on Blood Pressure, Renal Hemodynamics and Prostaglandin (PG) Production in Hypertensive Humans. Presented at the American Society of Hypertension Annual Meeting in June, 1988

Gilden, J.L.; Singh, S.P.; Vega, D.; Fulambarker, A.; Douglas, F.L.: Role of Endogenous Opioids on Glucose Homeostasis during Exercise in Normals and Patients with Insulin-Dependent Diabetes Mellitus. Presented at the XIIIth Congress of the International Diabetes Federation, Sydney, Australia, November 20 25, 1988. Diabetes Research & Clinical Practice Vol. 5, (Suppl. 1) 1988 S534

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