

## CURRICULUM VITAE

**Name:** Donald S. Fredrickson

**Home Address:** 6615 Bradley Boulevard, Bethesda, Maryland 20817

**Date and Place of Birth:** August 8, 1924, Canon City, Colorado

**Family:** Henriette Priscilla Dorothea Eekhof Fredrickson  
Two children: Eric H. and Rurik C.

**Education:** University of Colorado, 1942-43  
B.S., University of Michigan, 1946  
M.D., University of Michigan, 1949  
Certified: American Board of Internal Medicine, 1957

### Chronology of Employment:

1949-1950	House Officer, Peter Bent Brigham Hospital, Boston
1950-1951	James Jackson Cabot Research Fellow in Medicine, Harvard Medical School, Boston
1950-1952	Assistant in Medicine, Peter Bent Brigham Hospital, Boston
1952-1953	Research Fellow in Medicine, Massachusetts General Hospital, Boston
1953-1955	Clinical Associate, National Heart Institute, National Institutes of Health, Bethesda
1955-1961	Member, Senior Research Staff, Laboratory of Cellular Physiology and Metabolism, National Heart Institute
1961-1966	Clinical Director, National Heart Institute, Bethesda
1962-1966	Head, Section on Molecular Diseases, Laboratory of Metabolism, National Heart Institute, Bethesda
1966-1968	Director, National Heart Institute, Bethesda
1966-1974	Chief, Molecular Disease Branch, National Heart and Lung Institute, Bethesda
1969-1974	Director of Intramural Research, National Heart, and Lung Institute, Bethesda
1974-1975	President, Institute of Medicine, National Academy of Sciences, Washington, D.C.
1975-1981	Director, National Institutes of Health, Bethesda
1981-1983	Scholar-in-Residence, National Academy of Sciences, Washington, D. C.
1983-1984	Vice President, Howard Hughes Medical Institute, Bethesda
1984-1987	President, Chief Executive Officer and Trustee, Howard Hughes Medical Institute, Bethesda
1987-	President, DSF Associates, Inc., Bethesda

*NIH - Science*

*NIH  
NIH Director*

1987-

Scholar, National Library of Medicine, Bethesda

**Present Related Professional Activities:**

Advisory Committee, General Motors Cancer Research Foundation  
Board of Directors, BSI, Inc.  
Board of Directors, Foundation for Advanced Education in the Sciences  
Board of Directors, Foundation for Biomedical Research  
Chairman, National Library of Medicine Long Range Planning Panel on International Programs  
Friends of the National Library of Medicine, Executive Committee  
Life Sciences Research Foundation, Founding Board  
Metropolitan Life Foundation Medical Research Awards Committee

**Editorial Appointments:**

Previous

American Journal of Medicine, Editorial Board  
American Physiology Society, Member and Chairman, Publications  
Committee  
Circulation Research, Editorial Board  
Health Affairs, Member of the Advisory Board  
Issues in Science and Technology, Member of the Advisory Board  
Journal of Atherosclerosis, Editorial Board  
Journal of Clinical Investigation; Editorial/Advisory Boards  
Journal of Lipid Research, Advisory Board  
Physiology in Medicine, Advisory Board

**Research Interests:**

Lipoproteins, lipid transport and metabolism; medical genetics; biotechnology, academic and industrial; science and public policy; medical and scientific institutions and education, medical informatics

**Honorary Degrees:**

D. Med. (Hon.) Karolinska Institutet, 1977  
D. Sc (Hon.) University of Michigan, 1977  
D. Sc (Hon.) Mount Sinai School of Medicine, 1978  
D. Sc (Hon.) University of North Carolina, 1979  
D. Sc (Hon.) Yeshiva University, 1981  
D. Sc (Hon.) Georgetown University, 1981  
D. Sc (Hon.) University of Medicine and Dentistry of New Jersey, 1982  
D. Sc (Hon.) Medical University of South Carolina, 1985  
D. Sc (Hon.) George Washington University, 1985  
D. Sc (Hon.) University of Rochester, 1986

**Memberships:**

Alpha Omega Alpha  
American Academy of Arts and Sciences  
American Association for the Advancement of Science, Fellow  
American College of Physicians, Fellow  
American Philosophical Society  
British Cardiac Society (Corresponding Member)  
College of Medicine of Valencia (Honorary)  
Cosmos Club  
Deutsche Gesellschaft fur Innere Medizin (Corresponding Member)  
Harvey Society (Honorary)  
Institute of Medicine, National Academy of Sciences  
Medical Society of Sweden (Honorary)  
National Academy of Sciences  
Peripatetic Club  
Phi Beta Kappa  
Phi Kappa Phi  
Royal Academy of the Kingdom of Morocco  
Royal College of Physicians, London (Fellow)

**Emeritus Memberships:**

American College of Cardiology, Fellow  
American Federation for Clinical Research  
American Heart Association, Council for the Study of Arteriosclerosis  
American Physiological Society  
American Society for Clinical Investigation  
American Society of Human Genetics  
Association of American Physicians  
International Society of Cardiology  
Society of Pediatric Research

**Previous Related Professional Activities:**

Chairman, Advisory Committee, Minority Faculty Development Program,  
The Robert Wood Johnson Foundation  
Chairman, Committee on Medicine, Federal Coordinating Council for Science,  
Engineering and Technology  
Chairman, Council on Arteriosclerosis, and Member, Board of Directors and  
Central Committee, American Heart Association  
Chairman, Extramural Advisory Committee, University of California Irvine Health  
Science Center  
Chairman, Federal Committee on Research on Biological Effects of  
Ionizing Radiation

### **Previous Related Professional Activities, Continued:**

Chairman, Interagency Committee on Recombinant DNA Research (1976-1981)  
Chairman and Member, Medical Board, NIH Clinical Center  
Chairman, NIH Centennial National Advisory Committee (1988)  
Chairman, Scientific Advisory Committee, Research America!  
Chairman, TNO Gaubius Laboratory Evaluation Team, Leiden (1992)  
Guest Researcher, Molecular Disease Branch, NHLBI, (1987-1991)  
Lecturer in Preventive Medicine, Georgetown University School of Medicine,  
Washington, D. C.  
Member, 1990 DHHS Advisory Committee on the National Institutes of Health  
Member, Advisory Committee, University of Texas Health Science Center,  
Houston  
Member, Advisory Council on Research, New York State Heart Association  
Member, Board of Directors, Avon Products Inc.  
Member, Board of Directors, Corange, Ltd.  
Member, Board of Directors, Genetic Therapy Inc.  
Member, Board of Directors, Greater Minnesota Corporation  
Member, Board of Directors, Medlantic Research Foundation  
Member, Board of Directors, Whitehead Institute for Biomedical Research  
Member, Board of Overseers and the Board of Managers of Memorial  
Sloan-Kettering Cancer Center  
Member, Board of Scientific and Medical Advisors, Amylin Corporation  
Member, Board of Scientific Advisors, Buck Center  
Member, Board of Scientific Advisors, Roche Institute of Molecular Biology  
Member, Commonwealth Book Club  
Member, Council and Executive Committee, National Academy of Sciences  
Member, Cardiovascular Research Program Evaluation Committee, Veterans  
Administration  
Member, Cardiovascular Study Section, NIH  
Member, Charles A. Dana Foundation Awards Panel  
Member, Committee on Fats, Food and Nutrition Board  
Member, Committee for the Study of Inborn Errors of Metabolism,  
National Research Council  
Member, Council, and Secretary-Treasurer, American Society of Clinical  
Investigation  
Member, Council, Institute of Medicine  
Member, Evaluation Panel, Fourth Medical & Health Research Program,  
Commission of the European Communities, 1990  
Member, Evaluation Panel, An Evaluation of Science in Hungary, International  
Council of Scientific Unions, Budapest, 1992  
Member, Executive Committee, Assembly of Life Sciences,  
National Research Council  
Member, Executive Committee, Section on Atherosclerosis,  
International Society of Cardiology  
Member, External Advisory Committee, Department of Medicine,  
School of Medicine, University of Alabama, Birmingham  
Member, External Advisory Committee, University of Texas Health  
Science Center, Dallas

### **Previous Related Professional Activities, Continued:**

Member, Governing Board of the National Research Council (1982-1985)  
National Academy of Sciences  
Member, Hazen Prize Committee  
Member, International Science Council, Foundation Cardiologique  
Princess Lilliane, Brussels  
Member, Lasker Award Committee  
Member, National Academy of Sciences Committee on Government-University  
Relationships in Support of Science  
Member, National Advisory Council for Research, Howard University  
Member, National Council on Health Care Technology  
Member, Nutrition Research Advisory Committee, National Dairy Council  
Member, PolyVentures Science Advisory Board  
Member, Research Advisory Board, E.I. du Pont de Nemours & Co.  
Member, Research Council, Center for Prepaid Health Care  
Member, Scientific Advisory Committee, California Biotechnology, Inc.  
Member, Scientific Advisory Committee, Hapten Technologies Corp.  
Member, Scientific Advisory Committee, Laser Recording Systems, Inc.  
Member, Scientific Advisory Board, Scripps Research Institute  
Member, Stouffer Prize Committee  
Member, White House Science Council (1982-1989)  
Member, Board of Trustees, Howard Hughes Medical Institute (1984-1987)  
Professorial Lecturer in Medicine, George Washington University School of  
Medicine, Washington, D.C.  
U.S. Coordinator, Problem Area 1, Prevention of Arteriosclerosis  
U.S.-U.S.S.R. Cardiovascular Exchange, 1973

### **Honors and Other Special Scientific Recognition:**

Alpha Omega Alpha  
American College of Physicians Award  
American College of Cardiology Distinguished Service Award  
American College of Cardiology Gold Medal Award  
American Heart Association Award of Merit  
American Society for Clinical Nutrition McCollum Award  
Arthur M. Sackler Foundation Award for Service to Science  
Commandeur Ouissam Alaouite  
Department of Health and Human Services Distinguished Public Service Award  
Fondazione Lorenzini Medal (Milan)  
Gairdner Foundation Award  
Intrascience Award  
James F. Mitchell International Award for Heart and Vascular Research  
Jimenez Diaz Award (Madrid)  
La Madonnina Prize for Science (Milan)  
Lifetime Achievement Award, Sandoz Research Institute  
Miami Winter Symposium Distinguished Service Award  
Modern Medicine Distinguished Achievement Award

National Academy of Sciences  
National Cholesterol Award for Public Health Scientific Achievement

**Honors and Other Special Scientific Recognition Continued:**

New York Academy of Science Sarah L. Poiley Memorial Award  
Phi Beta Kappa  
Phi Kappa Phi  
Phi Rho Sigma Irving Cutter Medal  
Purkinje Award (Prague)  
Society of Research Administrators Distinguished Contribution to Research  
Administration Award

**Honorary Lectureships:**

American Swiss Foundation for Scientific Exchange University Lectures  
(Basel, Bern, Lausanne, Geneva, Zurich), 1964  
John Kent Lewis Memorial Lecture (Stanford), 1967  
Seventeenth Annual Convocation Lecture (American College of  
Cardiology), 1968  
Third Bernard H. Pastor Memorial Lecture (University of  
Pennsylvania), 1968  
Marcus R. Caro Memorial Lecture (American Academy of Dermatology), 1968  
The Carl Herzog Guest Lecturer (American Dermatological Association), 1969  
The Distinguished Lecture (Association of American Physicians), 1969  
Plenary Lecture, Deutsch Gesellschaft fur Klinische Chemie (Bonn), 1970  
St. Cyres Lecture (National Heart Hospital, London), 1970  
Wall Memorial Lecture (Children's Hospital of the District of  
Columbia), 1971  
Cardiac Society of Australia and New Zealand and National Heart Foundation  
Lecturer, 1971  
Alpha Omega Alpha Lecture and Visiting Professorship (Johns Hopkins  
Medical School), 1972  
Ernest William Goodpasture Lecture (Vanderbilt), 1972  
John C. Higgins Memorial Lecture (University of Oregon), 1972  
Harvey Lecture, 1973  
Samuel Ballet Memorial Lecture (Philadelphia), 1973  
The Jiminez Diaz Lecture (Madrid), 1974  
  
Columbia University Bicentennial Lecture, 1976  
Alpha Omega Alpha Lecture (Mount Sinai School of Medicine), 1976  
G. Lyman Duff Memorial Lecture (American Heart Association), 1976  
Wilson Day Address (University of Rochester), 1977  
Irving S. Cutter Lecture (Phi Rho Sigma), 1978  
Convocation Lecture (Mount Sinai School of Medicine), 1978  
Wendell Scott Lecture (Washington University, St. Louis), 1978  
Convocation Lecture (University of North Carolina), 1979  
Geronimo Forteza Lecture (Valencia), 1979  
Eugene A. Stead, Jr. Lecture (Duke University), 1980  
Fiftieth Anniversary Lecture (British Research Society, London), 1980

Commencement Address, Georgetown University Medical School, 1981  
Commencement Address, University of Texas Medical Center (Houston), 1981  
Public Lecture, American Association for the Advancement of Science,  
Annual Meeting (Washington, D.C.), 1982

**Honorary Lectureships (cont.)**

Alpha Omega Alpha Lecture (Baylor University School of Medicine), 1982  
William Potter Lecture, Thomas Jefferson University (Philadelphia), 1982  
Lilly Lecture, Royal College of Physicians (London/Leicester), 1982  
Thorn Lecture, Peter Bent Brigham Hospital (Boston), 1982  
Commencement Address, Cornell University Medical School, 1982  
Presidential Lecture, Rice University, 1983  
Commencement Address, Mayo Medical School, 1983  
First Likoff-AOA Lecture, Hahnemann Medical School, 1984  
Lewis Connor Memorial Lecture, American Heart Association, 1984  
Commencement Address, The George Washington University, 1985  
Albert Einstein Lecture, New York Academy of Sciences, 1985  
75th Anniversary Lecture, The Rockefeller University Hospital, 1985  
Anniversary Lecture, Harvard Medical School, 1986  
Alpha Omega Alpha Visiting Professor Lecture, University of North Carolina  
(Chapel Hill), 1987  
Keynote Address, Dedication National Research Council Facilities, 1987  
Plenary Lecture, NIH Centennial, 1987  
Speaker, Royal Academy of Maroc, Rabat, 1988  
Lecture, Tokyo University, 1989  
Speaker, Royal Academy of Maroc, Paris, 1989  
Chairman, Twentieth Annual Meeting, Institute of Medicine, 1990  
Symposium Speaker, Association of American Medical Colleges, 1990  
The Reynolds Lecture, U. Alabama Birmingham, 1991  
Lecture, National Library of Medicine, Lister Hill Center, 1991  
✧ First Donald S. Fredrickson Lecture on Lipoprotein Research  
International Atherosclerosis Society, October, 1991  
Speaker, Royal Academy of Maroc, Casablanca, 1993  
Speaker, Cornell - N.Y. Hospital Policy Conference December, 1993  
Speaker, Columbia U. Conference Science, the Endless Frontier June, 1995

Bibliography: 260 publications.

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