

Academic and Hospital Positions:

Georgetown University School of Medicine, Washington, D.C.:

Assistant Professor of Medicine, 1965-68;
 Associate Professor of Medicine, 1968-72;
 Professor of Medicine, 1972-74;
 Co-director, Cardiovascular Research Division, 1972-74;
 Executive Committee, Department of Medicine, 1972-74;

Veterans Administration Hospital, Washington, D.C.:

Chief, Hypertension and Clinical Hemodynamics, 1965-74;
 Chairman, Research and Education Committee

University of Minnesota Medical School, Minneapolis, Minnesota:

Professor of Medicine, 1974-
 Head, Cardiovascular Division, 1974-1996

National/International Appointments and Offices Held:

Chairman, American Federation for Clinical Research (Eastern Section), 1969-70
 Cardiovascular Studies Merit Review Board, V.A. Central Office, 1970-75
 Chairman, Program Committee, American Society for Clinical Pharmacology & Therapeutics, 1971-72
 Member, Program Committee, Council for High Blood Pressure Research, American Heart Association, 1972-74
 Vice President, American Society for Clinical Pharmacology and Therapeutics, 1973-74
 Hypertension Task Force, National Institutes of Health, 1974-75
 Chairman, V.A. Cooperative Study on Vasodilator Therapy of Acute Myocardial Infarction, 1974-81
 Chairman, Nominating Committee, Circulation Council, American Heart Association, 1975
 Executive Committee, Council on Circulation, American Heart Association, 1975-86
 Member, Executive Committee, Council for High Blood Pressure Research, American Heart Association, 1976-78
 Member, Annual Scientific Sessions Committee, Council on Circulation, American Heart Association, 1976-78
 Member, Ad Hoc Committee for Long Range Planning, Council for High Blood Pressure Research, American Heart Association, 1976-78
 Chairman, Publications Committee, High Blood Pressure Research Council, American Heart Association, 1976-78
 Chairman, Cardiopulmonary Section, American Society for Clinical Pharmacology & Therapeutics, 1976-80
 Food and Drug Administration Cardiovascular and Renal Advisory Committee:
 Member 1977-81; Chairman November 1979 - September 1981
 Chairman, Program Committee, Council on Circulation, American Heart Association, 1977-79
 Chairman, Long-Range Planning Committee, Council on Circulation, American Heart Association, 1979
 Chairman, American Heart Association Scientific Sessions Program Committee, 1979-82

National/International Appointments and Offices (cont'd):

Board of Directors, American Heart Association, 1979-84
 Chairman, V.A. Cooperative Studies - Vasodilator-Heart Failure Trials (V-HeFT), 1980-
 Chairman, American Heart Association Council on Circulation, 1980-81
 Chairman, Cardiovascular Subsection, Central Society for Clinical Research, 1980-81
 Member, Congressional Commission on the Federal Drug Approval Process, 1981-82
 Vice President for Councils, American Heart Association, 1982-84
 Council Member, Central Society for Clinical Research, 1987-89
 President-Elect, The American Society of Hypertension, 1988-90
 Parent Committee-NIH, Specialized Centers of Research (SCOR), 1988-90
 Steering Committee, Digitalis Trials, NIH 1988-
 NIH, National Heart, Lung, and Blood Institute Task Force on Hypertension, 1990-91
 President, The American Society of Hypertension, 1990-92
 NIH, National Heart, Lung, and Blood Institute Research Review Committee A, 1990-92
 Co-Chair, Council on Hypertension and Atherosclerosis Education, 1990-1994
 Institute of Medicine, Committee to Evaluate Artificial Heart Program of NHLBI, 1991-92
 Councilor, Association of Professors of Cardiology, 1992-1994
 Committee Chairman, NHLBI Task Force on Research in Heart Failure, 1992-1994
 Chairperson, NIH-NIA Ad Hoc Review Committee, Pathologic Effects of Impaired Myocardial
 Function in Older Persons, 1993
 Chairman of the Congress, 5th International Symposium on Cardiovascular Pharmacotherapy,
 Minneapolis, Minnesota - August 1993
 WHO Task Force on Hypertension Education, Steering Committee, 1994-
 Organizing Committee, ISH-2000 -- 18th Scientific Meetings of The International Society of
 Society of Hypertension, Year 2000 (Chicago, Illinois), 1994-2000
 WHO & Council on Geriatric Cardiology, Task Force on Heart Failure Education, 1994-
 NHLBI Workshop on the Artificial Heart: Planning for Evolving Technologies, 1994
 Vice-President, International Society of Hypertension, 1994-1996
 National Institutes of Health, National Institute Aging Geriatrics Program, Cardiovascular
 Aging Advisory Group Panel, 1995
 WHO & Council on Geriatric Cardiology, Task Force on Cardiac Rehabilitation Education, 1995-
 Chairman, Intersocietal Affairs Committee, American Society of Hypertension, 1995-
 President-Elect, International Society of Hypertension, 1995-1996
 President, Heart Failure Society of America, 1995-1998
 NIH, NHLBI Special Emphasis Panel on Heart Failure Research, 1996
 Subcommittee, National Bureau for Information on Coronary (NBIC) Heart Disease Risk, 1996
 Scientific Awards Committee, American Society of Hypertension, 1996-
 President, International Society of Hypertension, 1996-1998
 Scientific Advisory Committee, Victor Chang Cardiac Research Institute, Sydney, Australia, 1997-

Editor:

Progress in Cardiovascular Diseases
Drug Treatment of Heart Failure (textbook)
Journal of Cardiac Failure (Editor-in-Chief, peer-reviewed, Churchill Livingstone, 1994-2002)
Cardiovascular Medicine (textbook, Churchill Livingstone, 1995, 2d Edition 2000)

Editorial Positions Held:

- Editorial Board, *The American Journal of Cardiology*
 Editorial Board, *American Journal of Geriatric Cardiology*
 Editorial Board, *American Journal of Hypertension*
 Editorial Board, *Cardiovascular Drugs and Therapy*
 Editorial Board, *Cardiovascular Drug Therapy*
 Editorial Board, *Circulation*
 Editorial Board, *Current Heart Failure Reports*
 Editorial Board, *CVD Prevention, The Journal of the International Society Federation of Cardiology*
 Editorial Board, *Indian Heart Journal*
 Editorial Board, *Italian Heart Journal*
 Editorial Board, *Heart Failure*
 Editorial Board, *High Blood Pressure and Cardiovascular Prevention*
 Editorial Board, *Hypertension*
 Editorial Board, *Journal of the American College of Cardiology*
 Editorial Board, *Journal of Cardiovascular Pharmacology*
 Editorial Board, *Journal of Cardiovascular Pharmacology and Therapeutics*
 Editorial Board, *Journal of Cardiovascular Risk*
 Editorial Board, *Journal of Clinical Research and Drug Development*
 Editorial Board, *The Journal of Hypertension*
 Editorial Board, *The Journal of Laboratory and Clinical Medicine*
 Guest Editor, Hypertension: Experimental and Clinical Studies, *Circulation Research*, May, 1977
 Guest Editor, Hypertension, Renal Hormonal and Neural Mechanisms, *Circulation Research*, July 1978
 Guest Editor, New Concepts in the Mechanisms and Treatment of Congestive Heart Failure, *The American Journal of Cardiology*, January 11, 1985
 Guest Editor, Symposium on Bepridil: A New Antianginal Agent, *The American Journal of Cardiology*, March 15, 1985
 Guest Editor, The Role of the Adrenergic System in Heart Failure, *European Heart Journal*, April 1990
 Guest Editor, A Symposium: Angiotensin-Converting Enzyme Inhibition Therapy in the Treatment of Congestive Heart Failure, *The American Journal of Cardiology*, October 2, 1990
 Guest Editor, The Vasodilator-Heart Failure Trials (V-HeFT): Mechanistic Data from the VA Cooperative Studies, *Circulation*, Supplement VI, June 1993
 Guest Editor, New Insights in the Management of Congestive Heart Failure, *Drugs*, Volume 47 Supplement 4, 1994
 Guest Editor, Sympathetic Nervous System and Heart Failure, *Clinical Cardiology*, Volume 18 Supplement I, 1995
 Guest Editor, From Hypertension to Heart Failure: Endothelial Dysfunction and Structural Changes in Cardiovascular Disease, *The American Journal of Cardiology*, Vol. 76, No. 15, 1995
 Guest Editor, The Therapeutic Role of Calcium Antagonists: Current Evidence and Future Proposals, *Journal of Hypertension*, Vol. 14 Supplement 4, 1996
 Guest Co-Editor, Consensus Recommendations for the Management of Chronic Heart Failure, *The American Journal of Cardiology*, Vol 83, Supplement 2A, 1999
 Guest Editor, Update on Cardiovascular Disease: Recent Findings and Newest Therapeutic Choices, Role of AT₁ Receptors in Target Organ Disease: A Functional Perspective, *American Journal of Hypertension*, Vol 13, Supplement Issue, 2000
 Guest Editor, New Therapeutic Strategies for Heart Failure: Potential Impact of Cardiac Support Devices on Ventricular Remodeling, *Journal of Cardiac Failure*, Vol. 10, No. 6, Supplement Issue, 2004
 Guest Editor, *Circulation*, 2005

Honors and Awards:

New York State College Scholarship (competitive)
 New York State Medical School Scholarship (competitive)
 Annual Award, New York State Arthritis and Rheumatism Foundation, 1955
 Alpha Omega Alpha, Cornell University Medical College, 1955
 Arthur S. Flemming Award, Federal Government Service, 1969
 Distinguished Service Award, American Heart Association, 1982
 William S. Harvey Award, 1987
 Sir Thomas Lauder Brunton Award, 1988
 The 400 Best Doctors in America, *Good Housekeeping*, 1992, 1996
 The 250 Top Doctors in Twin City Area, *Minneapolis-St Paul Magazine*, 1992
 Listed in *Best Doctors in America*, 1992-1999, Woodward/White, Inc.
 Medical Alley Award for Outstanding Contribution in Research and Development, 1993
 Who's Who in Medicine and Healthcare
 The Best Doctors in America: Central Region 1996-1997
 Discovery Award, New Jersey Affiliate American Heart Association, 1998
 Scientific Councils' Distinguished Achievement Award, American Heart Association, 1998
 Council on High Blood Pressure Research (AHA) - Novartis Award in Hypertension Research, 2000
 International Scientist of the Year – 2003, International Biographical Centre, Cambridge, U.K.
 Arrigo Recordati International Prize for Scientific Research: Lifetime Achievement in Heart Failure, 2003
 Ignacio Chavez Medal of Honor, Interamerican Society of Heart Failure, Acapulco, 2003
 Lifetime Achievement in Research, Henry Ford Forum on Heart Failure, Detroit, Michigan, 2003
 Academic Health Center Academy for Excellence in Health Research, University of Minnesota, 2003
 James B. Herrick Award, American Heart Association, 2003
 American College of Cardiology, Distinguished Scientist Award (Clinical Domain), 2005
 Heart Failure Society of America Lifetime Achievement Award, 2006
 Clinical Scholar Award, University of Minnesota, 2006

Professional Societies:

American College of Cardiology (Fellow)
 American College of Physicians (Fellow)
 American Federation for Clinical Research
 American Heart Association (Fellow); Council on Circulation; Council on High Blood Pressure Research (Medical Advisory Board); Council on Basic Cardiovascular Sciences
 American Heart Association, Minnesota Affiliate (Board of Directors, 1979-85)
 American Physiological Society (Circulation Group)
 American Society for Clinical Investigation
 American Society for Clinical Pharmacology and Therapeutics
 American Society of Hypertension
 American Society for Pharmacology and Experimental Therapeutics
 American Association for the Advancement of Science (Fellow)
 Association of American Physicians
 Association of University Cardiologists
 Central Society for Clinical Research
 Heart Failure Society of America
 International Academy of Cardiovascular Sciences (Fellow)
 International Society of Cardiovascular Pharmacotherapy
 International Society of Hypertension

Certification:

American Board of Internal Medicine, 1963

Honorary Lectureships:

Visiting Professor in Cardiology, Emory University, Atlanta, Georgia, 2005
 Rose Weiss Visiting Professor, Lahey Clinic, Boston, Massachusetts, 2005
 Grand Rounds, Abbott Northwestern, Minneapolis, Minnesota, 2005
 Medicine Grand Rounds, Columbia University, New York, New York, 2005
 Cardiology Grand Rounds, UCLA, Los Angeles, California, 2005
 11th J.K. Alexander Visiting Professor, Michael E. DeBakey VAMC, Houston, Texas, 2005
 Vascular Biology Grand Rounds, Birmingham, Alabama, 2005
 Cardiology/Medical Grand Rounds, George Washington University, Washington DC, 2005
 Madrid Arrhythmia and Myocardium 2005, Madrid, Spain, 2005
 Medical Grand Rounds Lecture at Bay Pines VA Medical Center, Bay Pines, Florida, 2005
 William Withering Memorial Lecture, Madrid Arrhythmia & Myocardium 2004, Spain
 James T. Willerson Visiting Professor & Lecturer, University of Texas Medical Center, Houston, 2003
 Don C. & George C. Sutton Memorial Lecture in Cardiology, Evanston Hospital, Illinois, 2002
 Fernando Cruz Foundation Lecturer, Madrid, 2001
 J. Gerard Mudd Lecturer, Saint Louis University, St. Louis, Missouri, 2001
 Robert Tigerstedt Lecturer, Finnish Hypertension Society, Helsinki, 2001
 Tisdale Visiting Professor, University of Vermont, Burlington, 2000
 Kaufman Center for Heart Failure Award, Cleveland Clinic Foundation, 1999
 Spoleto-scienza Workshop, Spoleto, Italy, 1998
 Dennis Lecturer, Methodist Hospital, Houston, Texas, 1998
 Simon Dack Visiting Professor, Mt. Sinai Medical Center, New York, 1997
 John J. Sampson Lectureship, University of California-San Francisco, 1997
 John McGuire Visiting Professor, University of Cincinnati, 1997
 Frank Berkman Memorial Lecture, University of Ottawa Heart Institute, 1996
 Katz Memorial Lecture, Michael Reese Medical Center, Chicago, IL, 1995
 Lou Gillespie Memorial Lecture, Washington Hospital Center, Washington, D.C., 1994
 Criscitiello Visiting Professor, New England Medical Center, Boston, 1994
 Helen S. Perlman Lecturer, New York Cardiological Society, 1993
 Visiting International Chair of the National Institute for Scientific Research,
 University of Gent, Belgium, 1993
 George Alexander Gibson Lecture, Royal College of Physicians of Edinburgh, 1993
 Emanuel Kiosk Cardiology Lecture, Beth Israel Medical Center, Newark, NJ, 1993
 Louis Sudler Lectureship in Cardiology, Rush-Presbyterian-St. Luke's Med Ctr, Chicago, 1992
 Larry B. Ellis Memorial Lecture, Harvard Medical School, 1990
 Roger W. Robinson Lecture on Cardiovascular Disease, Medical Center of Massachusetts, 1989
 Kenneth Rosen Memorial Lecture, University of Illinois-Chicago, 1989
 J.B. Johnson Memorial Lecture, Washington, D.C.
 Henry Jackson Lecture, New England Cardiovascular Society
 John Kent Lewis Memorial Lecture, Stanford University
 Annual Koppanyi Lecture, Georgetown University
 David Littman Memorial Lecture, Harvard Medical School
 Karl Wiggers Lecture, Western Reserve Medical School
 Sujint Shay Memorial Lecture, Methodist Hospital, Peoria, Illinois

William Harvey Award Lecture, American Society of Hypertension
Chapman Lecture, Baylor University
John Herr Musser Lecture, Tulane University Medical School
G.D. Searle Lecture, Endocrine Society

Invited Lectures – Faculty

2005 –

38th Annual New York Cardiovascular Symposium, New York, New York
 78th Annual Scientific Sessions, Dallas, Texas
 9th Annual Meeting of the Japanese Heart Failure Society, Yamaguchi, Japan
 6th Scientific Sessions, Heart Failure Society of America, Boca Raton, Florida
 European Society of Cardiology Congress, Stockholm, Sweden
 Vascular Institute Forum on Heart Failure, Dearborn, Michigan
 Toronto International Heart Failure Summit, Toronto, Ontario
 3rd proCardio Symposium, Dresden, Germany
 American Society of Hypertension 20th Annual Scientific Meeting & Exposition, San Francisco, California
 Cardiovascular Care for Primary Practitioners Symposium, Minneapolis, Minnesota
 Research Conference, VAMC, Minneapolis, Minnesota
 Racial & Ethnic Categories in Biomedical Research, Minneapolis, Minnesota
 ACC 54th Annual Scientific Session, Orlando, Florida
 1st Annual Cardiovascular Symposium, Sarasota, Florida
 44th Annual Meeting of the Association of University Cardiologists, Phoenix, Arizona
 54th Scientific Sessions, American College of Cardiology, Orlando, Florida
 Structure and Function of Large Arteries Symposium, Paris
 Heart Failure Society of America, 2nd Annual Fellows Conference, Boca Raton, Florida
 American Society of Hypertension, Sixth Annual Winter Laragh Conference on Advances in Hypertension, Naples, Florida

2004 –

77th Annual Scientific Sessions, American Heart Association, New Orleans
 Hennepin County Medical Center Consortium Symposium, Minneapolis
 Preventing Cardiovascular Events: Early Detection and Treatment, 3rd Annual Symposium, Minneapolis
 1st Global Conference on Cardiovascular Clinical Trials & Pharmacotherapy, Hong Kong
 8th Annual Scientific Sessions, Heart Failure Society of America, Toronto
 European Society of Cardiology, Munich, Germany
 The Cardiology Invitational, Akron, Ohio
 Cardiology Grand Rounds, Wm. Beaumont Hospital, Royal Oaks, Michigan
 American Society of Echocardiography Scientific Sessions, San Diego, California
 ESC Heart Failure Update 2004, Wroclaw, Poland
 American College of Veterinary Internal Medicine Forum, Minneapolis, Minnesota
 Henry Ford Heart & Vascular Institute Forum on Heart Failure, Dearborn, Michigan
 ACC/AHA Consensus Conference on Professionalism & Ethics, Washington, DC
 Bertram Pitt Visiting Professor, University of Michigan, Ann Arbor, Michigan
 19th Annual Scientific Sessions, American Society of Hypertension, New York City
 2nd proCardio Symposium on NT-proBNP, Budapest
 Desert Cardiology Update, Tucson, Arizona
 53rd Scientific Sessions, American College of Cardiology, New Orleans
 Dartmouth Diastolic Discourses, Woodstock Inn, Vermont
 Madrid Arrhythmia & Myocardium Conference, Madrid
 Heart Failure Trial Endpoints: Where Are We Heading?, Washington, DC

39th Annual Internal Medicine Update 2004, University of Miami School of Medicine, Miami
Heart Failure Society of America Conference for Fellows: Establishing a Career in Heart Failure,
Boca Raton, Florida

2003 –

76th Scientific Sessions, American Heart Association, Orlando, Florida

ACC/Yale University Conference, No Boundaries: Medical/Surgical Approaches to Advanced
Heart Failure, Uncasville, Connecticut

ACC Conference: Cardiology for the Consulting Cardiologist, Boston

Preventing Cardiovascular Events: Early Detection and Treatment, Symposium, Minneapolis

7th Annual Scientific Sessions, Heart Failure Society of America, Las Vegas

Heart Failure '03, Strasbourg, France

Henry Ford Heart & Vascular Institute, Forum on Heart Failure, Detroit, Michigan

Scientific Conference of Interamerican Society of Heart Failure, Acapulco

18th Scientific Sessions, American Society of Hypertension, New York City

Scientific Conference, International Society of Cardiovascular Pharmacotherapy, Barcelona