### **CURRICULUM VITAE**

# Alfred P. (Fred) Sanfilippo, M.D., Ph.D.

Married: July 20, 1973; Janet L. Thompson Children: Lisa C. (3/13/84), Joseph L. (10/8/88) Residence 1970 Carlotta Court NE, Atlanta, GA 30345

### **EDUCATION AND PROFESSIONAL TRAINING**

### **Schools Attended**

1962-66	High School	Archbishop Molloy High School, Queens, NY	
1966-70	College	University of Pennsylvania, Philadelphia, PA	B.A. (Physics)
1969-70	Graduate School	University of Pennsylvania, Philadelphia, PA	M.Sc. (Physics)
1970-76	Medical School	Duke University, Durham, NC	M.D.
1972-75	Graduate School	Duke University, Durham, NC	Ph.D. (Immunology)

### **Undergraduate Research**

Max Planck Institute for Experimental Medicine, Gottingen, Germany (May-August)

1966	Synthesis - isolation of di, tri- and oligonucleotides as synthetic codons. J. Heinrich Matthaei
1967	Development of a cell-free system of protein synthesis with human placenta. Paul K. Abadom

1968 Characterization of a latent ribosomal exonuclease. J. Heinrich Matthaei

### University of Pennsylvania, Department of Physics

1969 X-ray crystallography (January-July). Yacov Shaj	1969	X-ray crystallo	ography (Januar	y-July). Y	acov Shapira
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Thermal mechanics in biologic models (June-August). J. Robert Schrieffer

#### **Graduate Student and Postdoctoral Research**

Graaaac	Statent and I obtated at Itolean on
1969-70	University of Pennsylvania, Department of Physics (MSc Thesis): Synthesis and
	characterization of organic crystal superconductors. Alan Heeger, Anthony F. Garito
1972-75	Duke University, Department of Microbiology and Immunology (PhD Thesis):
	Mechanisms of induced T helper cell tolerance. David W. Scott, D. Bernard Amos.
1976-79	Duke University, Division of Tumor Virology, Department of Surgery: Immunotherapy

of virus induced leukemia in mice. Jeffrey J. Collins, Dani Bolognesi.

### **Medical Training**

	1976-77	Internship: .	Anatomic 1	Patho!	logy, ]	Duke	University	v Hospita
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1977-79 Residency: Anatomic and Clinical Pathology, Duke University Hospital

### **UNIVERSITY APPOINTMENTS**

### **Duke University**

1979-84	Assistant Professor of Pathology and Experimental Surgery; Lecturer of Immunology
1984-89	Associate Professor of Pathology (with tenure) and Experimental Surgery

1989-93 Professor of Pathology, Experimental Surgery, and Immunology

2015 - Board of Visitors, Duke University Medicine

### **Johns Hopkins University**

1993-00	Baxley	<b>Professor</b>	and	Chairman.	Department	t of Pathology
1/// 00	Dunic	110100001	unu	Chan man,	Department	t of I difford

2000- Adjunct Professor, Department of Pathology

#### **Ohio State University**

2000-07	Senior VP for Health Sciences and CEO	O, OSU Medical Center; Professor of Pathology	y

2000-06 Dean, College of Medicine and Public Health

2004-07 Executive Dean for Health Sciences

### **Emory University**

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2007-10	Executive VP for Health Affairs
2007-10	CEO, Robert W. Woodruff Health Sciences Center
2007-10	Chair, Board of Directors, Emory Healthcare
2007-	Professor of Pathology & Laboratory Medicine, School of Medicine
2008-	Professor of Health Policy and Management, Rollins School of Public Health
2010-14	Professor of Business Administration, Goizueta Business School
2010-	Director, Emory-Georgia Tech Healthcare Innovation Program

# **PROFESSIONAL CREDENTIALS**

### **Certification and Licensure**

1978-93	Licensed: North Carolina Board of Medical Examiners (FLEX) #22663
1979	Specialty Certification: Anatomic and Clinical Pathology, American Board of Pathology
1983	Subspecialty Certification: Immunopathology, American Board of Pathology
1992-01	Licensed: Maryland #D44041
2001-07	Licensed: Ohio #79806

## **Hospital and Staff Appointments**

1979-93	Attending Pathologist, Duke University and Durham V.A. Hospitals
1979-93	Staff Member, Duke Surgical Private Diagnostic Clinic
1979-93	Director, Transplantation Laboratory, Durham V.A. Hospital
1982-93	Director, Immunopathology Laboratory, Duke University Medical Center
1989-91	Executive Committee, Department of Pathology, Duke University Medical Center
1993-00	Pathologist-in-Chief, The Johns Hopkins Hospital
2000-07	Attending Pathologist, Ohio State University Health System

# **AWARDS AND HONORS**

1966 67 68	DFG Award, Max Planck Institute for Experimental Medicine, Gottingen, Germany
1970-76	NIH Predoctoral Fellowship: Medical Scientist Training Program, Duke University
1973	Duke Endowment Award, King's Fund College, London, England
1976	Thomas Jefferson Award, Duke University School of Medicine
1976	Kermit G. Osserman Award, Myasthenia Gravis Foundation
1979	Wiley D. Forbus Award, North Carolina Society of Pathologists
1987	Alpha Omega Alpha, National Medical Honor Society
1990	Reach for Sight Physician Investigator Award
1994	MSTP Distinguished Scientist Lecture, University of Rochester
1998	Lya and Harrison Latta Lecture, UCLA
1999-2017	Who's Who in America
2002	Senior Fellow, Association of Pathology Chairs
2003	Business Leader of the Year, Columbus Business First
2004	Distinguished Alumnus Award, Duke University Medical Center
2004	American Association for the Advancement of Science, Fellow
2004	Enterprise of the Year, Columbus Technology Council
2005	Norman Cohn Hope Award, National Multiple Sclerosis Society
2005	Gold Humanism Honor Society, Arnold P. Gold Foundation
2005	John Peter Minton Hero of Hope Research Champion Medal of Honor, American Cancer Society
2013	Millipub Club, Emory University
2014	AAMC Learning Health System Award
2017	Distinguished Medical Alumnus Award, Johns Hopkins University
2018	Distinguished Service Award, Association of Pathology Chairs

### **RESEARCH: Inventions, Patents**

- Sanfilippo AP, Baldwin WM, and Brauer RB: Method for preventing complement-dependent rejection of organ or tissue transplants. Patent No. 5679345; issued October 21, 1997.
- Rosengard AM, Ahearn JM, Sanfilippo AP, and Baldwin WM: Use of chimeric vaccinia virus complement control proteins to inhibit complement. Patent No. 5843778, issued December 1, 1998.
- Rosengard AM, Ahearn JM, Sanfilippo AP, and Baldwin WM: Use of chimeric vaccinia virus complement control proteins to inhibit complement. Patent No. 6140472, issued October 31, 2000.

## **RESEARCH: Extramural Grants (Total Direct Costs)**

Duke Univer	esity
1982-91	Principal Investigator: The mechanisms of corneal allograft rejection,
	NIH Grant RO1-EY03819 (\$342,035).
1983-92	Principal Investigator: Specific T cell suppression of alloimmunity,
	NIH Grant PO1-AI19368 (Project II) (\$395,373).
1983-92	Director, Core Laboratory: Immunologic modification of human allograft recipients,
	NIH Grant PO1-AI19368 (\$575,298).
1984-93	Principal Investigator: Mechanisms of allograft rejection and enhancement,
	V.A. Merit Review Grant (\$878,289).
1985-92	Co-Principal Investigator: Collaborative corneal transplant study,
	NIH Grant UO1-EY06116 (\$577,778).
1986-91	Principal Investigator: Mechanisms of cornea allograft rejection and enhancement,
	NIH Grant RO1-EY/AI06444 (\$455,929).
1988-92	Co-Investigator: T cell and T cell antigen repertoires in allograft rejection,
	NIH Grant P01-AI19368 (Project I: \$424,762).
1988-93	Principal Investigator: Effects of host immunity on renal allograft function,
	NIH Grant PO1-AM38108 (Project 2: \$515,002).
1988-93	Co-Director, Core B: Pathophysiology of renal allograft dysfunction,
	NIH Grant PO1-AM38108 (\$657,649).
1988-93	Co-Investigator: Lipid mediators in renal allograft dysfunction,
	NIH Grant P01-AM38108 (Project 1: \$578,723).

#### **Johns Hopkins University**

1994-00	Co-Investigator: Complement mediated injury in allograft rejection,
	NIH Grant R01-HL53245 (\$1,224,380).
1995-97	Co-Investigator: Control of MHC antigen expression,
	NIH Grant R01-GM49661 (\$538,763).
1996-00	Principal Investigator (Program): Endothelial cell dysfunction, growth factors and vasoactive
	mediators in accelerated graft arteriosclerosis, Novartis Ltd. (\$6,475,000).
1997-02	Principal Investigator (Program - 1997-00): Mechanisms of accelerated graft arteriosclerosis,
	NIH Grant P01-HL56091 (\$10,386,492).
1997-02	Principal Investigator (Project 4 - 1997-00): Complement and antibody in the pathogenesis of
	AGA, NIH Grant P01-HL56091 (\$653,089).

#### **Ohio State University**

2000-07 Principal Investigator (2000-07): General Clinical Research Center NIH Grant MO1-RR00034 (\$9,164,131).

### **Emory University**

2017-21 Co-Investigator: The Value of Children's Hospitals, AHRQ Grant RO1-HS024712 (\$1,050,158).

RESEAR	CH: Extramural Fellowship & Training Grants (Sponsor)
Duke Univ	versity
1981-84	V.A. Research Service Research Associate Award (A. Tatum, MD, PhD)
1981-82	Egypt Peace Fellowship (A. El-Mahrouky, MD)
1987-89	American Society of Transplant Physicians-Sandoz Fellowship (P. Ruiz, MD, PhD)
1989-91	Howard Hughes Research Training Fellowship (W. Oliver)
1990-91	American Heart Association Fellowship (D. Wray)
1991-92	Howard Hughes Research Training Fellowship (D. Wray)
1991-93	Peace Fellowship Award (S. Ibrahim, MD)
1992-95	Deutsche Forschungsgemeinschaft Fellowship (R. Brauer, MD)
1992-97	Physician Scientist Award NIH K11-AI01092 (Scott Pruitt, MD)
Johns Hor	okins University
1994-96	Howard Hughes Research Training Fellowship (T. Lam)
1994-96	American Heart Association Fellowship (E. Davis, MD)
1994-99	Clinical Investigator Award NIH K08-HL03133 (A. Rosengard, MD)
1995-97	Deutsche Forschungsgemeinschaft Fellowship (Frank Jacobs, MD)
1996-98	American Soc. of Transplant Physicians-Sandoz Fellowship (M. Samaniego, MD)
EDUCAT	TION: Training Programs
	versity (Faculty Member)
1979-93	Medical Scientist Training Program (NIH 5-T32-GM07171)
1984-89	Tumor Immunology and Immunogenetics (NIH 5-P32-CA09058)
1984-89	Fundamental and Applied Immunology (NIH 5-P32-AI07240)
1984-93 1988-93	Organization and Functions of Cellular Structures (NIH 5-T32-GM07184) Academic Surgical Research Training Program (NIH 1-T32-HL07671)
Johns Hor	okins University (Faculty Member)
1994-00	Graduate Training Program in Cellular and Molecular Medicine
1995-00	Graduate Training Program in Immunology
1996-00	Training Program in Pathobiology of Cancer
1999-00	Graduate Training Program in Pathobiology
Ohio State	e University (Lead Dean)
	Integrated Biomedical Graduate Program; Faculty Member
2000-07	MD-PhD Medical Scientist Program; Faculty Member
2001-07	Ohio State Biochemistry Graduate Training Program
2001-07	Molecular, Cellular, Developmental Biology Graduate Training Program
2001-07	Interdisciplinary Neurosciences Graduate Training Program
EDUCAT	TION: Teaching Activities
Duke Univ	· · · · · · · · · · · · · · · · · · ·
1979-92	Pathology of the Kidney (Pathology 362), Course Director (1983-92)
1979-92	Diagnostic Immunopathology (Pathology 373), Course Director
1979-92	General Pathology (Pathology 200), Lecturer, Lab Instructor
1979-90	General Immunology (Immunology 201), Lecturer
1979-92	Clinical Immunology (Microbiology 330), Lecturer
1986-92	Principles of Immunology (Microbiology-Zoology 244), Lecturer

### **EDUCATION: Teaching Activities (con't)**

### **Johns Hopkins University**

1993-00 General Pathology, Course Co-director, Lab Instructor

1993-00 Pathology Preceptorship, Co-director

### **Ohio State University**

2001-03 Leadership Academy (OSU Fisher College of Business), Co-director, lecturer

### **Emory University, Georgia Tech University**

2007-10	Woodruff Leadership	Academy, Emory	University,	Co-director, lecturer

2011- Emory Goizueta Business School, Lecturer, BUS 504

2013- Emory School of Nursing, Lecturer, HRSG 739

2013- Georgia Tech Scheller College of Management, Lecturer, MGT 4803

2014- SICK: Healthcare in the Modern Era GRAD700R, Lecturer, Course Co-director

2014- Health Services Research MSCR595, Lecturer, Course Director

### **EDUCATION: Student, Fellow Direct Supervision**

Steven E. Levine, MD

#### **Duke University**

1979-80

1979-83	Arthur H. Tatum, MD, PhD	Immunopathology Fellow, Research Associate
1981-82	Ahmed El-Mahrouky, MD	Postdoctoral Fellow
1002.05	Detailed A. Tonerden (MD DLD)	Constants Constant (Income allows)

Immunopathology Fellow

1982-85Patrick A. Treseler (MD, PhD)Graduate Student (Immunology)1983-85John A. Wolfe, MDImmunopathology Fellow1984-86Peter C. Kolbeck, MDImmunopathology Fellow1985-86Mark W. Scroggs, MDImmunopathology Fellow1985-87David N. Howell, MD, PhDImmunopathology Fellow

1986-87Randall Paul (MD)Medical Student Research Fellow1986-87John Straznickas (MD)Medical Student Research Fellow1986-87Matthew A. Galumback (MD)Medical Student Research Fellow

1986-88 Phillip Ruiz, MD, PhD Immunopathology Fellow 1987-89 Mohammed Emara, PhD Postdoctoral Fellow Ola Melhus, MD Immunopathology Fellow 1988-89 1988-90 John Paolini (MD, PhD) Graduate Student (Immunology) Osbert Blow, MD Graduate Student (Pathology) 1988-93 Wendy-Ann Olivier (MD) Medical Student Research Fellow 1989-90

1989-93 Barbara A. Wasowska, PhD Postdoctoral Fellow

1990-92 Dannah W. Wray (MD) Medical Student Research Fellow 1991-93 Sherif E. Ibrahim, MD (PhD) Research Fellow, Graduate Student

1991-93 Joel Ross, PhD Postdoctoral Fellow

1991-94 Scott K. Pruitt, MD (PhD) Graduate Student (Immunology)

#### **Johns Hopkins University**

1992-93	Robert B. Brauer, MD	Postdoctoral Fellow
1992-93	Janet Hessling, MD, PhD	Immunopathology Fellow
1992-93	James Shaeffer (MD)	Medical Student Research Fellow
1993-95	Robert Brauer, MD	Postdoctoral Fellow
1993-96	Sherif E. Ibrahim, MD, PhD	Postdoctoral Fellow
1994-95	Ariella Rosengard, MD	Physician-Scientist Trainee

1994-96 Tuan T. Lam Medical Student Research Fellow

1994-96Elizabeth Davis, MDResearch Fellow1994-00Zhiping Qian, MDResearch Fellow1995-97Frank Jacobs, MDPostdoctoral Fellow1996-98Milagros SamaniegoPostdoctoral Fellow

# **PROFESSIONAL ACTIVITIES: University**

<b>Duke Univ</b>	rersity
1970-72	Class President, Freshman, Sophomore Medical School Classes
1970-73	Medical School First- and Second-Year Curriculum Committees
1971-74	Medical Education Policy Advisory Committee
1973-74	President, Davison Society (Medical School Student Body)
1973-74	Chair, Medical School Honor Council
1973-74	Medical School Advisory Committee (Student Representative)
1973-76	Medical School Third- and Fourth Year Curriculum Committees
1979-04	Class Reunion Chair (5, 10 year), Co-chair (25, 30 year)
1981-86	Director, Clinical-Pathologic Conferences
1983-91	Committee on Health Affairs (Chair, 1985-86)
1985-86	Future Organization of Basic Medical Sciences Committee (Steering Committee)
1986-87	Chairman, LCME Subcommittee on Education in the Basic Medical Sciences
1986-89	Minority Affairs Committee (Majority Basic Science Representative)
1986-91	Medical School Admissions Committee
1987	Immunobiology Task Force
1987-89	Basic Science Faculty Steering Committee (elected, At-large Representative)
1988-90	Academic Council (elected, Basic Science Representative)
1988-91	Clinical Research Unit Scientific Advisory Committee
1989-91	Basic Science Faculty Steering Committee (elected, At-large Representative)
1990-91	Committee on Review of Non-Tenure Track Faculty
1990-93	Academic Council (elected, Basic Science representative)
1991-93	Basic Science Faculty Steering Committee (elected, Pathology Representative)
1991-93	Search Committee, Department of Immunology Chair
1991-93	Institutional Review Board
2015-	Duke University Health (Medical) Center Board of Visitors
2016-	Duke Pathology Alumni Advisory Council (Chair)
Johns Hop	okins University School of Medicine
1993-97	Faculty Compensation Committee
1993-00	Advisory Board of the Medical Faculty (Agenda Committee, 1994-97)
1993-00	Clinical Practice Association, Board of Directors (Management Committee, 1996-97
1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Budget, Finance and Planning Committee, 1997-00)
1993-00	Cellular and Molecular Medicine Program (Steering Committee, 1993-95)
1993-00	International Affairs Advisory Committee (Chair, 1998-00)
1993-00	Thayer Lectureship, Herter Lectureship, Shelley Visiting Professorship Committees
1993-00	Young Investigator - Ehrlich Lectureship Committee (Chair, 1994-95)
1993-00	Second-Year Student Promotions Committee
1993-00	Clayton Fund, DeVelbiss Fund, and TeLinde Endowment Advisory Committees
1994-95	Osler Professor and Director of Medicine Search Committee
1994-96	Committee on Conflict of Interest
1995-00	Professorial Promotions Committee (Chair)
1996-00	Professors' Teaching Award Committee
1997-98	LCME Committee on Faculty (Chair)
1998-00	Scientific Advisory Council (Agenda Committee)
1998-00	Dean/CEO's Advisory Council on Philanthropy
1999-00	Research Space Planning Committee
1999-00	Immunology Planning Committee
1999-00	Fund for Medical Discovery (Chair)
2000	Comparative Medicine Director Search Committee

Johns Hopki	ns Hospital/Health System		
1993-95	Strategic Master Facility Plan Work Group (Executive Committee)		
1993-96	Laboratory Advisory Committee		
1993-97	Management Advisory Committee		
1993-00	Medical Board		
1994-96	Administrative Services Redesign Team (Co-chair)		
1994-97	Quality Assessment and Performance Improvement Council		
1994-97	Re-engineering Steering Committee		
1996-97	Management Services Reorganization Task Force		
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· <del>-</del>	ns Medical Institutions/Johns Hopkins Medicine		
1993-94	Clinical Practice Planning Task Force: Steering Committee, Affiliations Committee,		
1002.06	Infrastructure Committee, Clinical Practice Organization		
1993-96	Comprehensive Transplant Center Planning Committee (Chair)		
1993-00	Cancer Center Steering Committee/Advisory Council		
1994-95	Physician Council for the Atlantic Alliance		
1995-96	Immunology Center Planning Committee		
1996-00	Director of Research, Comprehensive Transplantation Center		
1996-00	Telemedicine Committee (Chair)		
1997-00	International Affairs Advisory Committee (Chair)		
1999-00	BHAG (e-commerce) Planning Committee		
Ohio State U	niversity		
2000-07	President's Planning Cabinet		
2000-07	Medical Center Executive Committee (Chair)		
2000-07	Health Sciences Coordinating Council (Chair)		
2000-07	Ohio State University Hospitals, Board of Directors		
2000-07	Medical Center Resource Review Group (Chair)		
2001-03	Biomedical Research Plan Steering Committee (Chair)		
2001-07	Biochemistry Coordinating Committee (Chair)		
2002-03	University President Search Committee		
2003-04	Vice President for Research Search Committee (Chair)		
2003-07	University/Community Relations Committee		
2004-07	Senate Fiscal Affairs Committee		
2004-06	Committee on Graduate Education		
2006-07	University President Search Committee		
Emory Unive	ersity		
2007-10	President's Cabinet		
2007-10	Chair, Board of Directors, Emory Healthcare		
2007-10	Ways and Means (Budget, Finance) Committee		
2007-10	Strategic Planning Initiative (Co-chair)		
2007-10	Emory Healthcare Quality Council (Chair)		
2007-10	Enterprise Risk Management Executive Committee		
2007-10	Health Plans Steering Committee		
2007-10	Emory - Children's Center (Board of Directors)		
2008-09	Professional Services Council (Chair)		
2010-	Research Advisory Council		
2012-	Research on Care Community (Chair)		
2012-	Academy Health Student Chapter, Faculty Advisor		
2012-	Institute for Healthcare Improvement Open School, Faculty Advisor		
2012-	Goizueta Business School Healthcare Advisory Board		

### **PROFESSIONAL ACTIVITIES: Scientific Journals**

#### **Editorial Boards:**

2015-	Healthcare Transformation	1993-05	Laboratory Investigation
2014-	Academic Pathology	1992-01	Human Immunology
1999-03	Xenotransplantation	1990-01	Pathology, Research and Practice
1999-06	Experimental and Molecular Pathology	1989-93	Transplantation Now (Japan)
1998-02	Transplant Immunology	1989-01	Pathobiology
1998-02	Graft	1985-01	Transplantation
1998-02	Virchows Archiv	1985-93	Literature Scan: Transplantation
1994-02	Xeno		

#### **Guest Editor:**

Human Immunology: Vol. 14(3), 1987

Transplantation and Immunology Letter: Vol. 4, 1987

Human Immunology: Vol. 29(4), 1990

#### Reviewer

Amer. J. Kidney Diseases

Amer. J. Ophthalmology

Amer. J. Pathology

Archives of Internal Medicine

Journal of Immunology

Journal of Invertebrate Pathology

Journal of Leukocyte Biology

Kidney International

Archives of Pathology and Laboratory Medicine

Laboratory Investigation

Blood New England Journal of Medicine

Circulation Research Proceedings National Academy Sciences

Hepatology Regional Immunology

Human Immunology
Investigative Ophthalmology and Visual Sciences
J.A.M.A.
Virchows Archiv
Journal of the American Society of Nephrology
Journal of Clinical Investigation

Renal Failure
Transplantation
Virchows Archiv
Vox Sanguinis
Xenotransplantation

Journal of General Internal Medicine

### **PROFESSIONAL ACTIVITIES: Societies, Foundations**

### **American Board of Pathology**

1987-94 Immunopathology Test Committee

### **American Medical Association**

1974- Accelerating Change in Medical Education (ACE) Consortium National Advisory Panel (2014-)

### **American Medical Informatics Association**

2006-10 Academic Leadership Council

### American Society for Clinical Pathology (Fellow, 1979)

1994-96 Council on Education and Research

### American Society for Histocompatibility and Immunogenetics

1983-90	Clinical Affairs Committee (Chair, 1987-90)
1985-86	Cornea Transplant Standards Subcommittee (Chair)
1988-89	Abstract Review Committee (Co-chair, 1989)

#### American Society for Investigative Pathology 1996-99 Councilor 2000-01 Vice President-Elect 2001-02 Meritorious Awards Committee (Chair) 2001-02 Vice President 2002-03 President American Society of Transplantation Scientific Program Committee (Chair) 1983-84 1984-87 **Executive Council** 1985-86 President (President-Elect 1984-85) Public Policy Committee (Chair) 1985-86 Awards Committee (Chair, 1985-88) 1985-89 Ad Hoc Committee on Organ Distribution (Chair) 1987-88 1988-90 UNOS Policy Committee (Chair, 1988-90) 1991-93 Scientific Studies Committee (Chair, 1991-92) **Association of American Universities** 2004-05 Costs of Research Committee **Association of Academic Health Centers** Council on Research and Science (Chair) 2003-06 2005-07 **Board of Directors** 2005-07 www.ExploreHealthCareers.org Advisory Board 2006 Program Chair, Annual Meeting 2006-07 Membership Committee **Association of American Medical Colleges** 1973-75 Organization of Student Representatives (Duke University representative) Group on Student Affairs; Medical Student Information Systems Committee 1973-75 1998-00 Council of Academic Societies (Assoc Pathology Chairs rep; Administrative Board, 1999-00) 2000 Task Force on Chairs (Co-chair) Distinguished Research in the Biomedical Sciences Awards Committee (Chair) 2000 2000-06 Council of Deans (Ohio State University representative, Program Planning Committee 2003-04) Advisory Panel on Health Care Delivery 2001-06 Institute for Improvement of Clinical Care Advisory Committee (Co-chair) 2003-07 2005-06 NIH Reauthorization Working Committee NIH Special Action Committee 2007 Council of Teaching Hospitals and Health Systems (Emory University representative) 2008-10 2012-Research on Care Community (Emory University representative) **Association of Pathology Chairs** 1994-00 Committee on Graduate Medical Education 1994-00 Committee on Public Affairs and Government Relations (Chair, 1995-97) **Executive Council** 1997-00 1999-00 Committee on Committees (Chair)

#### Blue Ridge Academic Health Group

1999-00

2012-

2005 Conflict of Interest Workgroup, Invited speaker

Senior Fellow (Chair, Senior Fellows Group 2014-)

2006- Member (Co-chair 2008-10)

President-Elect

### **College of American Pathologists**

1995-97 Council of Government and Professional Affairs

### Federation of American Societies of Experimental Biology (FASEB)

1993-95	Consensus Conference on Federal Research Funding in the Biomedical and Related Life
	Sciences FY94 and FY95 (DOD Subcommittee; Representative of ASIP)
1995-97	Consensus Conference on Federal Research Funding in the Biomedical and Related Life
	Sciences FY96, FY97, FY98 (NIH Subcommittee; Representative of ASIP)
1998-01	Consensus Conference on Federal Research Funding in the Biomedical and Related Life
	Sciences FY00, FY01, FY02 (Chair, NIH Committee; Representative of ASIP)
2002-03	Consensus Conference on Federal Research Funding in the Biomedical and Related Life
	Sciences FY03, FY04 (NIH Subcommittee; Representative of ASIP)

### Intersociety Council for Research of the Kidney and Urinary Tract

1991-93 Representative, American Society of Transplant Physicians

### **Intersociety Pathology Council**

1995-97	Representative,	UAREP
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1998-02 Chair

### **National Caucus of Basic Biomedical Sciences Chairs**

1994-00 Representative, Association of Pathology Chairs

### **North Carolina Kidney Council**

1981-92 Representative, Histocompatibility

### **North Carolina Medical Society**

1974 Delegate (Durham County)

### **South-Eastern Organ Procurement Foundation**

1980-97	Scientific Projects and Publications Committee
1981-83	Histocompatibility, Organ Preservation, Transportation Committees (Chair)
1981-88	Data Acquisition Committee (Chair, 1985-87)
1992-95	Secretary, Treasurer, Vice President
1995-97	President, Past-President

#### **United Network for Organ Sharing**

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1985-86	Board of Directors
1985-87	Data Acquisition and Computer Utilization Committee (Chair)
1986-87	Data Information System Advisory Committee (Chair)
1986-89	Foreign Relations Committee
1987-89	Membership and Professional Standards Committee
1987-93	Scientific Advisory Committee (Chair, 1987-89)
1992-93	Ad Hoc Kidney Allocation Committee (Chair)

### Universities Associated for Research and Education in Pathology

Board of Directors (President 1998-01; VP, 1996-98; Secretary-Treasurer 1995-96)

### **United States-Canadian Academy of Pathology**

1997-00 Executive Council

### **Other Professional Society Memberships**

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1978-	American Association of Immunologists
1980-	Transplantation Society
1981-00	Association for Research in Vision and Ophthalmology
1985-00	American Society of Nephrology
1993-00	Maryland Society of Pathologists
1994-00	International Society for Heart and Lung Transplantation
2015-	Perinatal Stem Cell Society
2015-	International Society for Stem Cell Research

# **CONSULTANT, ADVISORY BOARDS: Federal and State Government**

### Agency for Healthcare Research and Quality

2011- Ad Hoc Reviewer

### **Armed Forces Institute of Pathology**

1993-95 Scientific Advisory Board

### **Food and Drug Administration**

1995 Biological Response Modifiers Advisory Committee; Use of Nonhuman Tissues and Organs

1997-2000 Center for Biologics Evaluation and Research

### **Health Care Financing Administration**

1987-2007 Medicare Heart Transplant Center Certification Panel

### **Health Resources Service Administration**

1987-91 Scientific Transplant Registry Advisory Committee (Chair, 1987-89)

### **Maryland Board of Medical Examiners**

1993-99 Post Mortem Examiners Commission

### **National Academy of Sciences**

1989	Institute of Medicine, Medicare ESRD Study Committee (invited participant)
1992	Commission on Life Sciences (ad hoc reviewer)
2003	Central Challenges Facing the National Clinical Research Enterprise (invited participant)
2009	Institute of Medicine Summit on Integrative Medicine (invited participant; rapporteur)
2014	IOM Genomics-Enabled Learning Health Care Systems Workshop (invited speaker)

#### **National Institutes of Health**

1983	Ad Hoc Reviewer/Site Visitor: NIDDK, NIAID, NEI, NHLBI
1983, 85	NEI Special Review Groups, Ocular Immunology; Visual Disorders
1985	NIDDK Working Committee, Renal Transplantation in Children
1989	NIAID Program-Project Special Review Group, Transplantation Immunology
1993-95	Scientific Advisory Board: U.S. Renal Data System
1997	Clinical Pathology Forum: Clinical Center

#### **State of Ohio**

2001-03	Biomedical Research and Technology Transfer Commission
2002-06	Regents Council of Medical School Deans (Chair, 2002-04)
2003-07	Third Frontier Advisory Board

### **Veterans Administration**

1982-84	Durham VAMC Facility Planning Board (Chair), Medical District VIII Planning Board
1986	Ad Hoc Reviewer, V.A. Medical Research Service (Merit Review)
2002	Scientific Review Board, Ad Hoc, V.A. Rehabilitation Research and Development

CONSULTANT, ADVISORY BOARDS: Academic, Research Organizations	
1989-92	Allegheny-Singer Research Institute, Pittsburgh, PA
1990-93	BC Health Research Foundation, British Columbia, Canada
1990-93	National Science Foundation of Switzerland
1992-93	
	Fred Hutchinson Cancer Research Center: Pathology Department Reorganization
1997-98	University of North Carolina: Pathology Chair Search, external consultant
1998	UC San Diego: Molecular Pathology Graduate Program Review Committee (chair)
1998	Case Western Reserve University: Pathology Chair Search, external consultant
1998	University of Chicago: Pathology Chair Search, external consultant
1999	Brown University: Pathology Department, external consultant
2000	University of Michigan: Pathology Department, external reviewer
2001-02	Harvard University - Massachusetts General Hospital, dean's external consultant
2006	University South Florida: Leadership Institute, consultant
2007	U Pennsylvania (Wharton): Health Leadership Program, external consultant
2007	Emory University: Health Sciences, external consultant
2007	University of California: Office of President, consultant
2008	Northwestern University: Medical Center Planning Initiative, External Advisory Board
2009	University of Pennsylvania; Pathology Chair, external advisor
2009	East Virginia Medical School: Culture Transformation, consultant
2009	NYU Medical Center: Leadership Development, consultant
2010	Nevada System of Higher Education: Health Sciences System Alignment, advisor
2010	U Tennessee Health Sciences Center: Children's Hospital Alignment, advisor
2010	U Washington: Health Sciences administration reorganization, external advisor
2010	Northwestern Memorial Hospital, Culture Transformation, external advisor
2010	AAMC, Strategic Planning Process, external advisor
2011	Brigham & Women's Hospital – Harvard University: Pathology Chair, external advisor
2011	New Giza University Academic Health Center, Senior Consultant
2013-15	Georgia Tech Research Institute Health Research External Advisory Board (chair)
2010-	Georgia Tech Petit Inst for Bioengineering & Bioscience, External Adv Bd (Vice Chair, 2014-)
2015-	Duke University Medical Center, Board of Visitors
2016	West Virginia U Health Sciences Center, External Advisor
2017-	Georgia Tech Center for Cellular Therapy Characterization and Manufacturing
	<u>FANT, ADVISORY BOARDS: Service, Volunteer Organizations</u>
1985-93	Carolina Organ Procurement Agency (President 1991-93; VP 1989-91; Secretary 1987-89)
1992-97	SEOPF Medical Services, Inc. (Board of Directors; President 1995-96)
1993-00	Transplant Resource Center of Maryland (Board of Directors; Vice President 1994-97; Strategic Planning Committee 1996-97; Chair, Ad Hoc Committee on Organ Donation 1997)
2000-06	James Cancer Hospital and Solove Research Institute, Member, Board of Trustees
2000-06	Columbus Children's Hospital, Member, Board of Trustees
2005-07	Institute for Personalized Health Care, Chair, Board of Directors
2005-07	Lifeline of Ohio Organ Procurement Organization, Inc., Board of Directors
2007-10	Wesley Woods Hospital, Chair, Board of Directors
2007-10	Georgia Cancer Coalition, Member, Board of Trustees
2007-09	Grady Health System Foundation, Member
2008-12	Georgia BIO, Member, Board of Trustees
2009-11	Georgia Children's Health Alliance, Executive Committee
2009-12	Business Executives for National Security
2009-12	CDC Foundation, National Advocacy Council
2010-	Marcus Foundation: Medical Advisory Committee, Trustee (2012-16), Medical Director (2013-)
2014-	Accelerating Change in Medical Education (ACE) Consortium National Advisory Panel
2016-	Bipartisan Advisory Center, Expert Panel on Cell Therapy
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# **CONSULTANT, ADVISORY BOARDS: Corporate, Business Organizations**

1985-93	Battelle Human Affairs Research Centers, Seattle, WA, Consultant
1988-93	North Carolina Technical Development Authority, Research Triangle, NC, Consultant
1989-93	Touch Scientific, Inc., Research Triangle, NC, Consultant
1990-93	John Hancock Transplant Center Program Advisory Board
1991-92	Sandoz Research Institute, Consultant
1997-00	CytoLogix Corp, Scientific Advisory Board
1998-00	Roche Organ Transplantation Research Foundation, Scientific Advisory Board
2000-01	Genomics Collaborative, Inc., Scientific Advisory Board
2000-03	Apollo Telemedicine, Inc., Medical Advisory Board (Chair)
2000-01	The Kronos Group, Inc., Member, Board of Directors
2000-07	Managed Health Care Systems, Inc., Board of Directors (Chair)
2001-07	BioOhio (formerly Omeris), Member, Board of Trustees
2001-07	Exeter Life Sciences, Inc., Member, Board of Directors
2000-06	Reservoir Venture Partners, Member, Advisory Board
2000-03	Battelle Healthcare Products, Member, Advisory Board
2002	Columbus Technology Leadership Council, Life Sciences Strategy Committee (Co-chair)
2002-04	Columbus Chamber of Commerce, Life Sciences Strategy Committee (Co-chair)
2003-04	Health Markers, LLC, Consultant
2003-07	SciTech (Science and Technology Campus Corporation), Member, Board of Directors
2004-07	The Columbus Partnership, Member, Board of Directors
2005-07	UMC Partners, Member, Board of Directors
2007-10	Metro Atlanta Chamber of Commerce, Member, Board of Directors
2008-10	Clifton Casualty Insurance Corp., Chair, Board of Directors
2008-10	Health Strategy Task Force, Metro Atlanta Chamber of Commerce
2009-	Metro Atlanta Chamber of Commerce BioScience Leadership Council, (Co-chair 2009-10)
2011-12	Webmedx, Inc, Member, Board of Directors
2011-14	McKinsey & Company, Consultant Advisor
2016-	Radix Health, LLC, Board of Advisors

### **PRESENTATIONS**

## Invited Speaker: Plenary Sessions, Symposia

- 1979 North Carolina Society of Pathologists Annual Meeting, Pinehurst, NC
- 1981 Annual Organ Procurement and Preservation Workshop, Memphis, TN
- 1981 North Carolina Association of Blood Banks Annual Meeting, Raleigh, NC
- 1982 SEOPF Scientific Session, Atlanta, GA
- 1982 SEOPF Scientific Session, Baltimore, MD
- 1984 26th Morehead Postgraduate Course, Morehead City, NC
- 1984 Annual Tissue Typing Workshop, Orlando, FL
- 1984 SEOPF-SEDTA Joint Meeting, Orlando, FL
- 1985 Current Topics in Laboratory Medicine Series, Chapel Hill, NC
- 1985 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1985 SEOPF-SEDTA Joint Meeting, New Orleans, LA
- 1985 Symposium of Controversies in Transplantation, Chapel Hill, NC
- 1986 Renal and Cardiac Transplantation: Update 1986, San Antonio, TX
- 1986 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1986 Renal Transplantation in Children, NIH Workshop, Bethesda, MD
- 1986 Finnish Society of Immunology and Finnish Society of Nephrology Joint Meeting, Helsinki, Finland
- 1986 American Society for Histocompatibility and Immunogenetics Annual Meeting, New Orleans, LA

- 1986 SEOPF-SEDTA Joint Meeting, Atlanta, GA
- 1986 American Society of Nephrology Annual Meeting: Current Controversies, Washington DC
- 1987 American Society for Histocompatibility and Immunogenetics Annual Meeting, New York NY
- 1987 United Kingdom Transplantation Service Program Directors Meeting, London, England
- 1988 Renal Transplantation: Immunology and Clinical Aspects, Harvard C.M.E. Course, Boston, MA
- 1988 XX International Course on Transplantation and Clinical Immunology, Lyon, France
- 1988 XII International Congress of the Transplantation Society, Sydney, Australia
- 1988 SEDTA Annual Meeting, Atlanta, GA
- 1988 American Society for Histocompatibility and Immunogenetics Annual Meeting, San Francisco, CA
- 1988 Consensus Conf.: Prophylactic Use of Monoclonal Antibodies in Renal Transplantation, St. Louis, MO
- 1988 International Workshop on Xenografting, Harriman, NY
- 1989 Second International Symposium on Renal Failure and Transplantation in Blacks, Washington, DC
- 1989 SEOPF Scientific Session, Savannah, GA
- 1989 American Society for Histocompatibility and Immunogenetics, Regional Meeting, Milwaukee, WI
- 1989 American Society of Transplant Physicians/American Society of Transplant Surgeons Joint Session
- 1989 NIH Frontiers in Basic Sciences Symposium: Biology of Tissue Transplantation, Bethesda, MD
- 1990 Chinese Society for Immunology Annual Meeting: Taipei, Taiwan
- 1991 National Kidney Foundation Consensus Conf.: Controversies in Organ Donation, New Orleans, LA
- 1991 NIH Conference Transplantation: Progress and Prospects for the 1990s, Bethesda, MD
- 1991 SEOPF Histocompatibility Workshop, Nashville, TN
- 1991 National Kidney Foundation Annual Meeting, Baltimore, MD
- 1992 Division of Organ Transplantation, Public Health Service Annual Meeting, Washington, DC
- 1992 National Kidney Foundation Regional Forum, Atlanta, GA
- 1992 American Society of Nephrology Annual Meeting, Baltimore, MD
- 1993 Third International Samuel L. Kountz Symposium, Arlington, VA
- 1993 American Society of Newspaper Editors Annual Meeting, Baltimore, MD
- 1995 American Registry of Pathology-AFIP Student Symposium, Washington, DC
- 1995 Third Banff Conference on Allograft Pathology, Banff, Canada
- 1995 Third International Congress for Xenotransplantation, Boston, MA
- 1995 Cybercongress: Transplantation in the Next Millennium, Washington, DC
- 1996 U.S.-Canadian Academy of Pathology, Renal Pathology Society, Washington, DC
- 1996 Maryland Society of Pathologists, Baltimore, MD
- 1996 XVI International Congress of the Transplantation Society, Barcelona, Spain
- 1996 Congress of the German Association for Nephrology, Berlin, Germany
- 1997 Keystone Symposium on Immunologic Aspects of Cardiovascular Disease, Keystone, CO
- 1997 2nd International Symposium on Transplant Vascular Sclerosis, Hamilton, Bermuda
- 1997 Southern and Midwest Council of Deans, Baltimore, MD
- 1997 International Congress on Immunosupression, Orlando, FL
- 1997 Christoph Broelsch Transplant Fellows Symposium, Scottsdale, AZ
- 1998 Twelfth Lifeline Foundation Conference: Research Initiatives in Cardiovascular Disease, Bethesda, MD
- 1998 Symposium on Best Practices in Pathology and Laboratory Medicine, Washington, DC
- 1998 First Joint Course (Hopkins-Humboldt University) on Problems in Surgical Pathology, Berlin, Germany
- 1998 Association of Pathology Chairs Annual Meeting, Boulder, CO
- 1998 Satellite Meeting: Role of Antibody in Acute and Chronic Graft Rejection, Montreal, Canada
- 1998 Satellite Symposium: Meeting the Challenges Partnership in Transplantation, Montreal, Canada
- 1998 XVII World Congress of the Transplantation Society, Montreal, Canada
- 1999 Sixth N.A.T. Meeting: Bioreagents in Immune Intervention, Nantes, France
- 1999 Association of Pathology Chairs Annual Meeting, Boulder, CO
- 1999 Sino-American Training Course in Laboratory Medicine, Beijing, China
- 1999 Clinical Laboratory Medicine in the 21st Century, Singapore
- 1999 Symposium on Best Practices in Pathology and Lab Medicine, Washington, DC
- 2000 Pathology Writers Guild, New Orleans, LA

- 2001 Second International BioMEMS and Nanotechnology Conference, Columbus, OH
- 2002 Association of Departments of Family Medicine Annual Meeting, Clearwater, FL
- 2002 Annual AAMC Graduate Education and Teaching Conference, Denver, CO
- 2002 AAMC Conference on Evolving Role of the Basic Science Department Chairs, Philadelphia, PA
- 2003 Second Global Medical Forum, Zurich, Switzerland
- 2003 Association of Pathology Chairs Annual Meeting, Quebec, Canada
- 2004 Columbus Technology Council Annual Meeting (TopCAT), Columbus, OH
- 2004 Third Global Medical Forum, Zurich, Switzerland
- 2004 Duke Health Sector Conference, Durham, NC
- 2004 Venture Conference, OSU Fisher College of Business, Columbus OH
- 2004 Third Frontier Network Symposium, Columbus OH
- 2004 Association of American Medical Colleges Annual Meeting, Boston, MA
- 2005 Blue Ridge Academic Health Group Annual Meeting, Jackson Hole, WY
- 2005 FASEB Conference and Board Meeting, Washington DC
- 2005 Association of American Universities, Washington DC
- 2006 Ohio State University Winter College, Sarasota, FL
- 2006 Int'l Symposium on Systems Biology and Medicine, Seattle WA
- 2006 New Directions in American Health Law & Policy, Columbus OH
- 2006 Association of Academic Health Centers Annual Meeting, San Antonio TX
- 2006 American College of Physicians (Ohio Chapter), Columbus, OH
- 2007 Healthcare Informatics & Management Systems Society Annual Meeting, New Orleans LA
- 2007 Association of American Medical Colleges Annual Meeting, Philadelphia, PA
- 2008 Association of Academic Health Center Annual Meeting, Scottsdale, AZ
- 2008 9th Annual Southern Hospital Meeting, Atlanta GA
- 2008 AAMC-APM Joint Conference on Physician Scientists, San Antonio, TX
- 2008 Emory-Centers for Disease Control Health System Transformation Series, Atlanta GA
- 2009 Georgia Hospital Association Annual Meeting, Atlanta, GA
- 2009 Institute of Medicine Integrative Medicine Summit, Washington, DC
- 2009 AAHC Annual Meeting, Chicago, IL
- 2009 University Hospitals and Health Systems Consortium Annual Meeting, Atlanta GA
- 2011 State of Georgia Personalized Medicine Awareness Day Symposium, Atlanta, GA
- 2013 South East Association of Pathology Chairs Annual Meeting, Asheville, NC
- 2014 AAMC Learning Health Systems Webinar
- 2014 XLDB Healthcare Workshop, Stoney Brook NY
- 2014 AAMC Integrating Quality Meeting, Chicago, IL
- 2014 Association of Pathology Chairs Annual Meeting, Boston MA
- 2014 Blue Ridge Health Advisory Group Annual Meeting, Sun Valley ID
- 2014 Forge H2 Healthcare Hackathon, Atlanta GA
- 2014 AMA Board of Trustees Meeting, Chicago, IL
- 2014 Institute of Medicine Genomics-Enabled Learning Health Care Systems Workshop, Washington DC
- 2015 Global Educators Network for Health Care Innovation Education Conference, Birmingham, AL
- 2015 AAMC Integrating Quality Meeting, Chicago IL
- 2016 Third International Conference on the Progress of Regenerative Medicine, Vatican
- 2016 Association of Pathology Chairs Annual Meeting, San Diego CA
- 2016 Northeast APC Meeting, Bermuda
- 2016 World Stem Cell Summit, Palm Beach, FL
- 2017 Association of Pathology Chairs Annual Meeting, Washington, DC
- 2017 World Stem Cell Summit, Miami FL
- 2018 Fourth Int'l Vatican Conference, How Science, Technology, and 21st Century Medicine Will Impact Culture and Society. Vatican City
- 2018 Association of Pathology Chairs Annual Meeting, Coronado CA

### **Invited Speaker: Universities, Visiting Professorships**

- 1978 Stanford University, Palo Alto, CA
- 1978 University of Pennsylvania, Philadelphia, PA
- 1978 Medical University of South Carolina, Charleston, SC
- 1978 University of Wisconsin, Madison, WI
- 1978 University of Alabama at Birmingham, Birmingham, AL
- 1978 University of North Carolina, Chapel Hill, NC
- 1980 Wake County Medical Center, Raleigh, NC
- 1980 East Carolina University, Greenville, NC
- 1980 University of North Carolina, Chapel Hill, NC
- 1983 University of North Carolina, Chapel Hill, NC
- 1984 University of Chicago, Chicago, IL
- 1985 Washington Hospital Center, Washington, DC
- 1985 Georgetown University, Washington, DC
- 1985 Eastern Virginia Medical College, Norfolk, VA
- 1985 University of North Carolina, Chapel Hill, NC
- 1986 University of Louisville, Louisville, KY
- 1986 University of Leiden, Leiden, Netherlands
- 1987 Oxford University, Oxford, England
- 1988 National Institutes of Health, Bethesda, MD
- 1989 University of Minnesota, Minneapolis, MN
- 1990 University of Munich, Munich, Germany
- 1991 University of California at Los Angeles, CA
- 1992 University of Pittsburgh, Pittsburgh, PA
- 1993 Al Ahzar University, Cairo, Egypt
- 1993 St. Johns Mercy Hospital, Germuth Lecture, St. Louis, MO
- 1993 University of Utah, Salt Lake City, UT
- 1994 University of Rochester, MSTP Distinguished Scientist Lecture, Rochester, NY
- 1994 University of Munich, Munich, Germany
- 1995 Johns Hopkins University, Dean's Hour Lecture, Baltimore, MD
- 1995 University of Pennsylvania, Philadelphia, PA
- 1995 SUNY Health Science Center, Syracuse, NY
- 1996 Georgetown University, Washington, DC
- 1996 Guy's Hospital, London, England
- 1997 Northwestern University, Chicago, IL
- 1997 University of Maryland, Baltimore, MD
- 1997 Johns Hopkins Medicine Board of Trustees, Discovery Science Presentation, Baltimore, MD
- 1997 University of Alabama, Birmingham, AL
- 1997 University of Rochester, George Whipple Lecture, Rochester, NY
- 1998 University of California, Los Angeles, Lya and Harrison Latta Lecture
- 1998 Humboldt University Charite Hospital, Berlin, Germany
- 1998 University of Pittsburgh, Pittsburgh, PA
- 1999 The Ohio State University, Columbus, OH
- 1999 Johns Hopkins University, MSTP Annual Meeting, Baltimore, MD
- 1999 Harvard University Brigham and Women's Hospital, Boston, MA
- 1999 4<sup>th</sup> Military Medical University, Xian, China
- 1999 Duke University, Medical Alumni Guest Speaker, Durham, NC
- 2000 University of Arizona, Tucson, AZ
- 2001 Ohio State University School of Public Health, Columbus, OH
- 2001 National Taiwan University Medical Center, Taipei, Taiwan
- 2003 Fisher College of Business, Executive MBA Program, Ohio State University, Columbus, OH

- 2004 Fisher College of Business, Managing Service Brand Relationships, Ohio State Univ, Columbus, OH
- 2005 University of South Florida, Leadership Institute, Tampa, FL
- 2009 New York University Medical Center, Leadership Development Program, NY, NY
- 2009 Emory Univ. Goizueta School of Business, Fifth Annual Healthcare Industry Forum, Atlanta, GA
- 2009 Georgia Tech University, Industrial Partners Annual Meeting, Atlanta, GA
- 2013 Duke University MSTP Retreat Keynote Speaker, Wrightsville Beach, NC
- 2014 Emory University MD-PhD Annual Revisit Meeting Keynote, Atlanta GA
- 2015 Johns Hopkins University Pathology Grand Rounds, Baltimore, MD
- 2017 Duke University, Visiting Professor, Department of Pathology, Durham, NC
- 2018 Brown University, Resident Conference, Department of Pathology, Providence RI

## **Proffered Scientific Presentations**

- 1974 FASEB Annual Meeting, Atlantic City, NJ
- 1976 VI International Congress of the Transplantation Society, New York, NY
- 1977 American Association of Pathologists Annual Meeting, Toronto, Canada
- 1977 FASEB Annual Meeting, Chicago, IL
- 1978 ICN-UCLA Symposium on Persistent Viruses, Keystone, CO
- 1979 International Academy of Pathology (U.S.-Canada) Annual Meeting, San Francisco, CA
- 1981 International Academy of Pathology (U.S.-Canada) Annual Meeting, Chicago, IL
- 1981 Association for Research in Vision and Ophthalmology Annual Meeting, Sarasota, FL
- 1981 Southern Medical Association Annual Meeting, New Orleans, LA
- 1982 American Urological Association Annual Meeting, Kansas City, MO
- 1982 American Society of Transplant Surgeons Annual Meeting, Chicago, IL
- 1983 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1983 V International Congress of Immunology, Kyoto, Japan
- 1983 American Association of Histocompatibility Testing Annual Meeting, Chicago, IL
- 1984 IX International Histocompatibility Workshop, Vienna, Austria
- 1984 American Society of Transplant Surgeons Annual Meeting, Chicago, IL
- 1984 X International Congress of the Transplantation Society, Minneapolis, MN
- 1984 American Society for Histocompatibility and Immunogenetics Annual Meeting, Miami, FL
- 1984 American Society of Nephrology Annual Meeting, Washington, DC
- 1985 International Academy of Pathology (U.S.-Canada) Annual Meeting, Toronto, Canada
- 1985 International Symposium on Kidney Transplantation, Heidelberg, West Germany
- 1985 Monitoring and Manipulation in Autoimmune Disease and Organ Transplantation, Montebello, Canada
- 1985 American Society for Histocompatibility and Immunogenetics Annual Meeting, San Diego, CA
- 1985 American Society of Nephrology Annual Meeting, New Orleans, LA
- 1986 Association for Research in Vision and Ophthalmology Annual Meeting, Sarasota, FL
- 1986 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1986 VI International Congress of Immunology, Toronto, Canada
- 1986 VI International Workshop on Alloantigenic Systems and Transplantation in the Rat, Rotterdam, Holland
- 1986 XI International Congress of the Transplantation Society, Helsinki, Finland
- 1987 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1987 American Society of Transplant Surgeons Annual Meeting, Chicago, IL
- 1987 Int'l Symposium on Functional Characteristics of Cells Invading Rejected Grafts, LaBaule, France
- 1987 10th International Histocompatibility Workshop, New York, NY
- 1987 American Society for Histocompatibility and Immunogenetics Annual Meeting, New York, NY
- 1988 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1988 VII International Workshop on Alloantigenic Systems and Transplantation in the Rat, Fiji
- 1988 XII International Congress of the Transplantation Society, Sydney, Australia
- 1989 2nd International Symposium on Renal Failure and Transplantation in Blacks, Washington, DC
- 1989 Association for Research in Vision and Ophthalmology Annual Meeting, Sarasota, FL

- 1989 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1989 American Society for Histocompatibility and Immunogenetics Annual Meeting, Toronto, Canada
- 1989 International Basic Science Symposium of the Transplantation Society, Lake Louise, Canada
- 1989 HLA and Disease, Athens, Greece
- 1990 VIII Int'l Workshop on Alloantigenic and Other Polymorphisms in the Rat, Prague, Czechoslovakia
- 1990 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1990 XIII International Congress of the Transplantation Society, San Francisco, CA
- 1991 American Association of Immunologists Annual Meeting, Atlanta, GA
- 1991 Association for Research in Vision Ophthalmology Annual Meeting, Sarasota, FL
- 1991 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1991 First International Congress on Xenotransplantation, Minneapolis, MN
- 1991 Second Basic Sciences Symposium of the Transplantation Society, Oxford, England
- 1992 Association for Research in Vision and Ophthalmology Annual Meeting, Sarasota, FL
- 1992 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1992 XIV International Congress of the Transplantation Society, Paris, France
- 1992 VIII International Congress of Immunology, Budapest, Hungary
- 1993 American Society of Transplant Physicians Annual Meeting, Houston, TX
- 1993 Third Basic Science Symposium of the Transplantation Society, MT
- 1994 Second International Congress on Xenotransplantation, Cambridge, UK
- 1994 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1995 Third International Congress for Xenotransplantation, Boston, MA
- 1995 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1996 SEOPF Scientific Session, Orlando, FL
- 1996 XVI International Congress of the Transplantation Society, Barcelona, Spain
- 1997 SEOPF Annual Meeting, New Orleans, LA
- 1997 American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1997 Association for Research in Vision and Ophthalmology Annual Meeting, Sarasota, FL
- 1997 17th Annual Meeting, International Society Heart Lung Transplantation, London, England
- 1997 IV International Congress for Xenotransplantation, Nantes, France
- 1998 XVII World Congress of the Transplantation Society, Montreal, Canada

### **CONFERENCE ORGANIZER, SESSION CHAIR**

- 1983 Session Chair: American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1984 Program Chair: American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1985 Conference Co-chair: International Amos Symposium on Transplantation, Durham, NC
- 1985 Symposium Chair: Monitoring & Manipulation in Autoimmunity & Transplantation, Montebello Canada
- 1986 Conference Co-chair: Controversies in Transplantation, Chapel Hill, NC
- 1986 Symposium Chair: XI International Congress of the Transplantation Society, Helsinki, Finland
- 1987 Session Chair: American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1987 Conference Chair: Int'l Workshop on Transplant Tolerance: Rationale & Applications, Bar Harbor, ME
- 1988 Session Chair: International Workshop on Xenografting, Harriman, NY
- 1989 Session Chair: American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1989 Session Chair: Amer. Soc. Histocompatibility and Immunogenetics Annual Meeting, Toronto, Canada
- 1989 Organizing Committee: Molecular and Cellular Aspects of Bone Marrow Transplantation, Durham, NC
- 1990 Session Chair: American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1990 Session Chair: Amer. Soc. for Histocompatibility and Immunogenetics Annual Meeting, Los Angeles, CA
- 1991 Session Chair: National Kidney Foundation Consensus Conference on Organ Donation, New Orleans, LA
- 1991 Session Co-chair: American Association of Immunologists Annual Meeting, Atlanta, GA
- 1991 Session Chair: American Society of Transplant Physicians Annual Meeting, Chicago, IL
- 1991 Session Chair: Amer. Soc. for Histocompatibility and Immunogenetics Annual Meeting, Washington, DC
- 1992 Session Chair: N. America Pediatric Renal Transplant Cooperative Study Workshop, Vancouver, Canada
- 1992 Session Chair: American Society of Nephrology Annual Meeting, Baltimore, MD
- 1995 Organizing Committee: Third International Congress for Xenotransplantation, Boston, MA
- 1995 International Advisory Committee: Fourth International Congress on Cyclosporine, Washington, DC
- 1996 Moderator: Young Investigator's Day, Johns Hopkins School of Medicine, Baltimore, MD
- 1996 Session Chair: American Society of Transplant Physicians Annual Meeting, Dallas, TX
- 1996 Session Chair: XVI International Congress of the Transplantation Society, Barcelona, Spain
- 1997 Co-Organizer, Session Chair: Keystone Symposium on Immunologic Aspects of Cardiovascular Disease
- 1997 Advisory Committee: IV International Congress for Xenotransplantation, Nantes, France
- 1997 Session Chair: International Congress on Immunosuppression, Orlando, FL
- 1998 Co-Organizer: First Johns Hopkins-Humboldt Universities Joint Course on Problems in Surgical Pathology, Berlin, Germany
- 1998 Co-Organizer, Session Chair: Association of Pathology Chairs Annual Meeting, Boulder, CO
- 1998 Advisory Committee: Role of Antibody in Acute and Chronic Graft Rejection, Montreal Canada
- 1998 Session Chair: XVII World Congress of the Transplantation Society, Montreal, Canada
- 1998 Co-Organizer: Symposium on Best Practices in Pathology and Laboratory Medicine, Washington, DC
- 1999 Co-Organizer: Second Joint Course on Problems in Surgical Pathology, Berlin Germany
- 1999 Organizer: Association of Pathology Chairs Southeast Regional Meeting, Hot Springs, VA
- 2000 Program Chair: Association of Pathology Chairs Annual Meeting, Boulder, CO
- 2000 Co-Organizer: Third Joint Course on Problems in Surgical Pathology, Berlin, Germany
- 2000 Session Chair: XVIII World Congress of the Transplantation Society, Rome, Italy
- 2000 First International BioMEMS, Columbus OH
- 2001 Session Chair: American Society of Transplantation Annual Meeting, Chicago IL
- 2001 Second International BioMEMS and Nanotechnology Conference, Columbus OH
- 2003 International Symposium on Novel Angiogenic Mechanisms, San Diego, CA
- 2003 President's Symposium, American Society for Investigative Pathology, San Diego CA
- 2004 Session Chair, Ohio State University Winter College, Naples FL
- 2004 Session Chair: Nanotechnology and Health, AAHC Council on Research and Science, Washington DC
- 2006 Program Chair, AAHC Annual Meeting, San Antonio TX
- 2008 Session Chair, Rhetoric to Reality The Urgency of Health Reform, Washington DC
- 2009 Co-Organizer: Blue Ridge Health Advisory Group Annual Meeting, Park City, Utah
- 2009 Co-Organizer: Mayo-Emory Health Policy Conference, Washington, DC

- 2010 Co-Organizer: Blue Ridge Health Advisory Group Annual Meeting, Columbus, GA
- 2012 Organizer, Chair: Student Networking Night, Atlanta, GA
- 2012 Organizer, Chair: Healthcare Innovation Symposia (Quarterly), Atlanta, GA
- 2013 Organizer, Chair: Student Networking Night (Semi-annual), Atlanta, GA
- 2013 Organizer, Chair: Healthcare Innovation Symposia (Quarterly), Atlanta, GA
- 2014 Co-Organizer XLDB Healthcare Workshop, Stoney Brook, NY
- 2014 Organizer, Chair: Student Networking Night (Semi-annual), Atlanta, GA
- 2014 Organizer, Chair: Healthcare Innovation Symposia (Quarterly), Atlanta, GA
- 2015 Session Chair: Global Educators Network for Health Care Innovation Education Conf, Birmingham, AL
- 2015 Session Co-Organizer, Chair: Association of Pathology Chairs Annual Meeting, San Diego, CA
- 2016 Steering Committee, Third Int'l Conference on the Progress of Regenerative Medicine, Vatican City
- 2016 Session Co-Organizer, Chair: Association of Pathology Chairs Annual Meeting, San Diego, CA
- 2016 Session Organizer, Chair: World Stem Cell Summit, Palm Beach, FL
- 2016 Program Planning Committee, Association of Pathology Chairs Annual Meeting, Washington DC
- 2017 Steering Committee, Fourth Int'l Vatican Conference, How Science, Technology, and 21st Century Medicine Will Impact Culture and Society. Vatican City
- 2017 Session Organizer, Moderator: Association of Pathology Chairs Annual Meeting, Washington, DC
- 2017 Program Planning Committee, Association of Pathology Chairs Annual Meeting, Washington DC
- 2017 Session Organizer, Chair: World Stem Cell Summit, Palm Beach, FL
- 2018 Session Organizer, Moderator: Association of Pathology Chairs Annual Meeting, Coronado, CA
- 2018 Session Organizer: Fourth Int'l Vatican Conference, Vatican City

### **PUBLICATIONS**

# **Original Scientific Articles**

- 1. Sanfilippo F and Scott DW: Cellular events in tolerance III. Carrier tolerance as a model for T cell unresponsiveness. *J. Immunol.* 1974; 113:1661-1667.
- 2. Ornellas EP, Sanfilippo F, and Scott DW: Cellular events in tolerance IV. The effect of a graft-versus-host reaction and endotoxin on hapten and carrier-specific tolerance. *Eur. J. Immunol.* 1974; 4:587-591.
- 3. Sanfilippo F and Scott DW: The effect of carrier-specific helper T cell tolerance on antibody avidity in the anti-hapten response. *Cell. Immunol.* 1976; 21:112-120.
- 4. Sanfilippo F, Cohn ML, Scott DW: Effect of carrier specific tolerance on the generation of helper cell function. *Eur. J. Immunol* 1976; 6:742-746.
- 5. Sanfilippo F: Transplantation of specifically tolerant spleen cells into lethally irradiated rats. *Transplant. Proc.* 1977; 9:911-914.
- 6. Sanfilippo F and Scott DW: Carrier-specific unresponsiveness in reaginic antibody formation I. Induction of helper cell tolerance. *Cell. Immunol.* 1977; 28:427-434.
- 7. Sanfilippo F and Scott DW: Carrier-specific unresponsiveness in reaginic antibody formation II. Suppression of hapten and carrier responsiveness in primed rats. *Cell. Immunol.* 1977; 28:435-442.
- 8. Sanfilippo F and Scott DW: The induction of carrier-specific helper cell tolerance in presensitized rats. *Eur. J. Immunol.* 1977; 7:283-287.
- 9. Collins JJ, Sanfilippo F, Lynn T, Ishizaki R, Metzgar R: Immunotherapy of murine leukemia I. Protection against Friend leukemia virus-induced disease by passive serum therapy. *Int. J. Cancer.* 1978; 21:51-61.
- 10. Sanfilippo F, Kao KJ, Pizzo SV, Collins JJ: Immunotherapy of murine leukemia. II. Effect of passive serum therapy on Friend murine leukemia virus- induced hematologic and coagulation parameters. *J. Nat. Cancer Inst.* 1980; 64:547-553.
- 11. Sanfilippo F, Shelburne J, Ingram P: Analysis of a polytef granuloma mimicking a cold thyroid nodule 17 months after laryngeal injection. *Ultrastruct. Pathol.* 1980; 1:471-475.
- 12. Collins JJ, Genovesi EV, Livnat D, Sanfilippo F: Adoptive transfer of antiviral resistance by lymphoid cells from mice protected against Friend leukemia virus-induced disease by passive serum therapy. *Cancer Res.* 1981; 41:2407-2416.
- 13. Sanfilippo F, Wisseman C, Ingram P, Shelburne J: Crystalline deposits of calcium and phosphorus. Their appearance in glomerular basement membranes in a patient with renal failure. *Arch. Path. Lab. Med.* 1981; 105:594-598.
- 14. Sanfilippo F, Genovesi EV, Collins JJ: Immunotherapy of murine leukemia. V. Protection against Friend leukemia virus-induced immune complex glomerulonephritis by passive serum therapy. *J. Natl. Cancer Inst.* 1981; 67:703-717.

- 15. Sanfilippo F, Croker BP, Bollinger RR: Fate of four cadaveric donor renal allografts with mesangial IgA deposits. *Transplantation* 1982; 33:370-376.
- 16. Bollinger RR, Sanfilippo F, Spees EK, Vaughn WK, Hawthorne R: Renal transplantation in highly sensitized patients. *Transplant. Proc.* 1982; 14:46-48.
- 17. Sanfilippo F, Vaughn WK, Bollinger RR, Spees EK: The relationship of transfusion and presensitization with graft and patient survival. *Transplant. Proc.* 1982; 14:287-289.
- 18. Sanfilippo F, Pizzo SV, Croker BP: Immunohistochemical studies of cell differentiation in a juxtaglomerular tumor. *Arch. Path. Lab. Med.* 1982; 106:604-607.
- 19. Foulks GN and Sanfilippo F: Beneficial effects of histocompatibility in high- risk corneal transplantation. *Amer. J. Ophthalmol.* 1982; 94:622-629.
- 20. Sanfilippo F, Vaughn WK, Bollinger RR, Spees EK: Comparative effects of pregnancy, transfusion and prior graft rejection on sensitization and renal transplant results. *Transplantation* 1982; 34:360-366.
- 21. Croker BP, Dawson DV, Sanfilippo F: IgA Nephropathy: Correlation of clinical and histologic features. *Lab. Invest.* 1983; 48:19-24.
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