

Curriculum Vitae

GEORGE TELLIDES, M.D., Ph.D.

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Personal Information:

Citizenship: United States of America, Greece, and South Africa

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New Haven, CT 06510
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West Haven, CT 06516

Education:

1978-1983 M.B.B.Ch., Medical School, University of the Witwatersrand, Johannesburg, South Africa
1985-1988 D.Phil., Merton College, University of Oxford, Oxford, England

Postdoctoral Training:

1984 Intern in Medicine and Surgery, Johannesburg Hospital, University of the Witwatersrand Medical School, Johannesburg, South Africa
1985 Course in Basic Medical Sciences, Royal College of Surgeons of England, London, England
1985-1988 Research Fellow, Nuffield Department of Surgery, John Radcliffe Hospital, University of Oxford, Oxford, England
1988-1992 Intern and Resident in General Surgery, Yale-New Haven Hospital, Yale University School of Medicine, New Haven, CT
1992-1993 Chief Resident in General Surgery, Yale-New Haven Hospital, Yale University School of Medicine, New Haven, CT
1993-1994 Resident in Cardiothoracic Surgery, Brigham and Women's Hospital and Children's Hospital, Harvard Medical School, Boston, MA
1994-1995 Chief Resident in Cardiothoracic Surgery, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

Licensure and Certification:

1985-1986 South African Medical and Dental Council (MP27628)
1985-1988 General Medical Council, Great Britain (3046203)
1985 Educational Commission for Foreign Medical Graduates, USA (3894839)
1990 Federation Licensing Examination, Massachusetts (600328504)
1992 State of Connecticut Medical License (032245)
1993 Fellow of the Royal College of Surgeons of England (247398)
1994-2003 State of Massachusetts Medical License (80268)
1994 Diplomate of the American Board of Surgery (39461)
1996 Diplomate of the American Board of Thoracic Surgery (5902)
2005 Recertification, American Board of Thoracic Surgery (5902)

Academic Appointments:

1992-1993 Instructor in Surgery, Yale University, New Haven, CT
 1993-1995 Clinical Fellow in Surgery, Harvard University, Cambridge, MA
 1995-2001 Assistant Professor of Surgery, Yale University, New Haven, CT
 2001-2008 Associate Professor of Surgery (Clinician-Scholar Track), Yale University, New Haven, CT
 2007- Secondary Appointment, Investigative Medicine, Yale University, New Haven, CT
 2008- Professor of Surgery (Clinician-Scholar Track), Yale University, New Haven, CT

Hospital Appointments:

1995-2003 Attending Surgeon, Yale-New Haven Hospital, New Haven, CT
 1995- Attending Surgeon, Veterans Affairs Medical Center, West Haven, CT
 2007-2012 Hospital Staff, Yale-New Haven Hospital, New Haven, CT

Other Professional Positions:

1995-1998 Acting Chief, Cardiothoracic Surgery, Veterans Affairs Medical Center, West Haven, CT
 1996-2000 Director, Cardiac Transplantation, Yale-New Haven Hospital, New Haven, CT
 1998- Chief, Cardiothoracic Surgery, Veterans Affairs Medical Center, West Haven, CT
 2000- Member, Vascular Biology and Transplantation/Therapeutics Program, Yale University, New Haven, CT
 2007- Member, Human Translational Immunology Program, Yale University, New Haven, CT
 2007-2009 Interim Director, Cardiac Transplantation, Yale-New Haven Hospital, New Haven, CT

Awards and Honors:

1978 Lillian Moss-Cowen Prize for Academic Achievements in the First Year of Medical School, University of the Witwatersrand, Johannesburg, South Africa
 1982 Harwood-Nash Prize for Best Student in Surgery, University of the Witwatersrand, Johannesburg, South Africa
 1985-1988 Ernst and Ethel Eriksen Trust Scholarship for Study Abroad, Private Foundation, Johannesburg, South Africa
 1986-1988 Horatio Symonds Studentship in Surgery, University of Oxford, Oxford, England
 1988 British Transplantation Society Travel Award, Great Britain
 1996-2000 Junior Faculty Scholar, Boyer Center for Molecular Medicine, Yale University School of Medicine, New Haven, CT
 2000 Hellman Family Fellowship Award for Promising Assistant Professors in the Sciences and Engineering, Yale University, New Haven, CT
 2010 Honorary Master of Arts (Privatim), Yale University

Committee Assignments:*Yale University School of Medicine:*

1995-1996 Surgical Curriculum Sub-Committee, Department of Surgery
 1995-2000 Clinic Chiefs, Yale Faculty Practice Plan
 2003-2004 Search Committee for Chief of Cardiovascular Medicine
 2006- Steering Committee, Vascular Biology and Transplantation Interdepartmental Program
 2006-2007 Search Committee for Chief of Cardiovascular Medicine
 2006-2007 Research Reporting Advisory Committee, Department of Surgery
 2007-2008 Medical Student Thesis Committee, Department of Surgery
 2008-2009 Search Committee for Medical Director of Cardiac Transplantation
 2009 Surgery Resident Research Panel Committee
 2010-2011 Search Committee for Chief of Cardiac Surgery
 2011-2112 Senior Appointments and Promotions Committee

Yale-New Haven Hospital:

1996-2000 Bronchoscopy Credentialing and Quality Assurance Committee
 1997-2000 Xenotransplantation Committee

West Haven Veterans Affairs Medical Center:

1995 Cancer Committee
 1997- Chairman, Blood Usage Committee
 2007 Ad hoc reviewer, Human Investigation Committee

National and Regional:

1999-2000 UNOS Region 1 Thoracic Regional Review Board
 2000-2004 Research Committee, Thoracic Surgery Foundation for Research and Education
 2001-2004 Intra-Thoracic Organs Committee, American Society of Transplantation
 2002-2005 Thoracic Organ Transplantation Committee, American Society of Transplant Surgeons
 2003 Program Committee, International Society for Heart and Lung Transplantation, 23rd Annual Meeting and Scientific Sessions, Vienna, Austria
 2005 Review Committee, Special Emphasis Panel on Immunobiology of Xenotransplantation, NIH/NIAID
 2006 Ad Hoc Member, Merit Review Subcommittee for Surgery, Department of Veterans Affairs
 2007 Review Committee, Network for Cardiothoracic Surgical Investigations in Cardiovascular Medicine, NIH/NHLBI
 2007 Planning Committee, American Society of Transplant Surgeons Winter Symposium, Marco Island, FL
 2007 Review Committee, Special Emphasis Panel on Clinical Trials in Organ Transplantation in Children, NIH/NIAID
 2008 Review Committee, Program Project on New Approaches to Cardiothoracic Tolerance Induction, NIH/NHLBI
 2009 Joint Planning Committee for the 2010 American Transplant Congress, the Annual Joint Meeting of the American Society of Transplant Surgeons and the American Society of Transplantation
 2013 Review Committee, Program Project on New Approaches to Cardiothoracic Tolerance Induction, NIH/NHLBI

Professional Societies:

1985-1988 Medical Association of South Africa
 1985-1988 British Medical Association
 1987-1988 British Transplantation Society
 1987-1988 British Society for Immunology
 1987-2009 The Transplantation Society
 1988- The Oxford Society
 1993-2009 Fellow of the Royal College of Surgeons of England
 1994-1997 American Medical Association
 1994-2004 Massachusetts Medical Society
 1994-1997 American College of Surgeons, Associate Fellow
 1994-1997 American College of Cardiology, Affiliate-in-Training
 1995-2000 American Association for the Advancement of Science
 1995- Aldo Castaneda Society of Pediatric Cardiovascular Surgery
 1995- Society of Brigham Surgical Alumni
 1995- Yale Surgical Society
 Board Member (2000-2003)
 1997-2009 International Society for Heart and Lung Transplantation
 Basic Science and Pathology Council (2002-2009)

1998-2001 International Xenotransplantation Association
 2000-2009 American Association of Immunologists
 2001-2009 Society of University Surgeons
 2001-2009 American College of Surgeons
 2001-2009 American Society of Transplant Surgeons
 2001-2009 American Society of Transplantation
 2002-2009 New England Surgical Society
 2005-2009 Society of Thoracic Surgeons
 2005-2009 American Association for Thoracic Surgery
 2009- Fellow of Ezra Stiles College, Yale University

Clinical Activities:

1995-2000 Attending Cardiothoracic Surgeon, Yale-New Haven Hospital and West Haven VA Hospital (on-service/on-call every week)
 2000-2002 Attending Cardiothoracic Surgeon, West Haven VA Hospital (on-service/on-call every week)
 2002-2007 Attending Cardiothoracic Surgeon, West Haven VA Hospital (on-service/on-call one week of two)
 2007- Attending Cardiothoracic Surgeon, West Haven VA Hospital (on-service/on-call two weeks of five)
 2009- Surgery Site Investigator, West Haven VA Hospital, VA Coronary Artery Revascularization in Diabetes Study – “VA CARDS”

Research Activities:

1996- Director, Cardiac Surgery Vascular Biology and Immunology Laboratory, Yale University School of Medicine, New Haven, CT
 Research activities are about 50% overall effort. The laboratory occupies 500 sq. ft. in the Amistad Building and has six work stations staffed by medical and graduate students, postdoctoral fellows, and associate research scientists. We have an interdisciplinary, translational approach to vascular biology and immunology. Our primary research interest is immune-mediated vascular remodeling focusing on the effects of T cells and their products on vascular smooth muscle cells and on the regulation of artery-infiltrating T cell responses by vascular smooth muscle cells. Studies of inflammatory vascular disease are performed on clinical specimens and experimental models of graft arteriosclerosis, atherosclerosis, and aortic disease.

Grant Support:

Active Grant Support:

2013-2014 National Marfan Foundation/Canadian Marfan Association; 12-005481; Principal Investigator: George Tellides; 1% effort; \$100,000 direct costs/two years; “TGF- β Signaling in Vascular Smooth Muscle Cells”
 2013-2014 Yale/UCL MedTech Collaborative Flagship Project; Co-Principal Investigators: George Tellides Jay D. Humphrey, Gaetano Burriesci; 1% concomitant effort; \$40,000 direct costs/two years; “A Novel Stent for Treating Aortic Stiffening”
 2013-2014 NIH/NIAID; R56 A1106922; Co-Principal Investigators: W. Mark Saltzman, Jordan S. Pober, George Tellides; 24% effort; \$291,000 direct costs/one year; “Bioengineered siRNA/Nanoparticles to Prevent Human Transplant Rejection”
 2013-2018 NIH/NHLBI; RO1 HL 086418; Principal Investigator: Jay D. Humphrey; Co-Investigator: George Tellides; 5% effort; \$1,125,000 direct costs/five years; “Biomechanical Simulation of Evolving Aortic Aneurysms for Designing Intervention”

- 2013-2018 NIH/NHLBI; RO1 HL 116705; Principal Investigator: Yibing Qyang; Co-Investigator: George Tellides; 10% effort; \$1,250,000 direct costs/five years; “Human Tissue-Engineered Blood Vessels using Induced Pluripotent Stem Cells”
- 2013-2018 NIH/NHLBI; R01 HL053793; Principal Investigator: Michael Simons; Co-Investigator: George Tellides; 5% effort; \$1,625,275 direct costs/five years; “Angiogenesis and Ischemia”
- 2013-2018 NIH/NHLBI; UO1 HL11632301; Principal Investigator: Jay D. Humphrey and George Karniadakis; Co-Investigator: George Tellides; 5% effort; \$1,706,799 direct costs/five years; “Multiscale, Multiphysics Model of Thrombus Biomechanics in Aortic Dissection”

Previous Grant Support:

- 1996 Ohse Grant, Yale University; Principal Investigator: George Tellides; \$5,000/one year; “Chimeric Human-Severe Combined Immunodeficient Mouse Model to Study Human Anti-Porcine Xenograft Rejection”
- 1997 Ohse Grant, Yale University; Principal Investigator: George Tellides; \$9,000/one year; “Human/Severe Combined Immunodeficient Mouse Chimeras: An Experimental In Vivo Model System to Study Human Anti-Porcine Skin Graft Xenogeneic Responses”
- 1997-1999 American Heart Association Grant-in-Aid (CT-97-GR-49); Principal Investigator: George Tellides; \$87,986/two years; “The Immunobiology of Human Anti-Porcine Cell-Mediated Xenograft Rejection in a Chimeric Human-SCID Mouse Model”
- 2000-2001 Patterson Trust Grant; Principal Investigator: George Tellides; \$86,775/one year; “The Role of Interferon- γ in Human Coronary Arteriosclerosis”
- 2000-2005 National Heart, Lung and Blood Institute; RO1 (HL65744); Principal Investigator: Alfred L.M. Bothwell; Co-Investigator: George Tellides; \$1,000,000 direct costs/four years; “Human Anti-Porcine Immune Responses In Vivo”
- 2002-2004 Medical Research Council of the United Kingdom; Cambridge-Yale Cardiovascular Program Planning Grant; Pilot Project 1 Yale Leader: George Tellides; Yale subcontract for Pilot Project 1 £12,500/two years; “Regulation of Vascular Smooth Muscle Cell Apoptosis and Transplant Vasculopathy”
- 2002-2004 ISIS Pharmaceuticals Collaborative Research Agreement; Principal Investigator: Jordan S. Pober; Co-Investigator: George Tellides; \$250,000/two years; “Functions of STAT Proteins in Vascular Cell Pathology”
- 2006-2008 Theragen Company; Clinical Trial ITT-101; Site Principal Investigator: George Tellides; \$146,776 direct costs/one year; “A Phase I Open Label Pilot Study to Evaluate the Safety, Efficacy and Tolerability of Anginera™ for Adults with Left Ventricular Dysfunction and Reversible Myocardial Ischemia Undergoing CABG Surgery”
- 2007-2008 Theragen Company; Clinical Trial ITT-102; Site Principal Investigator: George Tellides; \$51,953 total costs/one year; “A Phase I Open Label Pilot Study to Obtain Tissue for Histological Analysis After Application of Anginera™ in Adults with a Left Ventricular Assist Device As A Bridge to Transplant”
- 2001-2012 NIH/NHLBI; PO1 HL70295; Project 3 Leader: George Tellides; 20% total effort; Project 3 \$1,554,393 direct costs/five years; “IFN-gamma, Smooth Muscle Cells and Graft Arteriosclerosis”
- 2001-2012 NIH/NHLBI; PO1 HL70295; Core B Director: George Tellides; 5% total effort; Core B \$650,948 direct costs/five years; “Microsurgery”
- 2007-2013 NIH/NHLBI; RO1 HL085093; Principal Investigator: Mehran M. Sadeghi; Co-Investigator: George Tellides; 5% total effort; \$1,250,000 direct costs/five years; “Molecular Imaging of Vascular Remodeling”
- 2008-2013 NIH/NHLBI; RO1 HL088258; Principal Investigator: Alfred L.M. Bothwell; Co-Investigator: George Tellides; 5% total effort; \$1,250,000 direct costs/five years; “PPAR-Mediated Inhibition of Vascular Remodeling”
- 2009-2013 Kiev Foundation/Williams Syndrome Association; Co-Principal Investigator: George Tellides; 1% total effort; \$360,000 direct costs/two years; “Williams Syndrome research”

Mentored Grant Support:

- 1999 Ohse Grant, Yale University; Recipient: Nancy C. Kirkiles; \$7,500/one year; "The Role of Interferon- γ in Pig-to-Human Xenotransplantation-Associated Arteriosclerosis"
- 1999 Ohse Grant, Yale University; Recipient: Richard W. Kim; \$7,500/one year; "Gene transfer of Bcl-2 and Survivin into Vascularized Human Allografts and Porcine Xenografts in a Novel Arterial Transplantation Model"
- 2000 Ohse Grant, Yale University; Recipient: Richard W. Kim; \$6,340/one year; "Regulation of MHC Class II Molecules by Interferon- γ In Vivo"
- 2001 Ohse Grant, Yale University; Recipient: Richard W. Kim; \$10,000/one year; "Conditional Activation of STAT3 by IFN- γ and PDGF Receptor Interactions"
- 2002 Ohse Grant, Yale University; Recipient: Paul C. Y. Tang; \$7,500/one year; "Leukocyte Infiltration and Vascular Smooth Muscle Cell Apoptosis in Human Thoracic Aortic Aneurysms"
- 2002 Ohse Grant, Yale University; Recipient: William Burns and Jinah Kim; \$10,000/one year; "Interferon- γ and Platelet-Derived Growth Factor-BB Induce Vascular Smooth Muscle Cell Mitogenesis via c-Jun In Vitro"
- 2003 Ohse Grant, Yale University; Recipient: Jinah Kim; \$8,000/one year; "Characterization of the Role of Chemokine Signaling in Cardiac Graft Arteriosclerosis"
- 2004 Ohse Grant, Yale University; Recipient: Hooman Ranjbaran-Jahromi; \$5,000/one year; "Characterization of Interferon- γ Production in Human Coronary Arteries"
- 2004 Ohse Grant, Yale University; Recipients: Jinah Kim and Madison Cuffy; \$5,000/one year; "Examination of the Role of RGS16 in Vascular Remodeling"
- 2005 Ohse Grant, Yale University; Recipient: Paul C.Y. Tang; \$10,000/one year; "The Role of Matrix Metalloproteinases in Immune-Mediated Vascular Remodeling"
- 2005-2007 Research Grant, The Thoracic Surgery Foundation for Research and Education; Recipient: Madison C. Cuffy; \$50,000/two years; "The Role of Indoleamine 2,3-Dioxygenase on Modulation of Immune Responses in Inflammatory Arterial Diseases"
- 2006 Ohse Grant, Yale University; Recipient: Ahmad Saad; \$6,000/one year; "Role of the Toll-Like Receptor Ligand and ss-RNA Analogue, Resiquimod, in Outward Arterial Remodeling of Aneurysmal Diseases"
- 2006 Ohse Grant, Yale University; Recipient: Amy Gallo; \$10,000/one year; "The Role of Cytokines in Acute Lung Injury and Acute Respiratory Distress Syndrome Following Pulmonary Resections"
- 2007 Ohse Grant, Yale University; Recipient: Usman Ahmad; \$9,500/one year; "Nucleic Acids Released from Vascular Smooth Muscle Cells Induce and/or Promote Apoptosis in Neighboring Smooth Muscle Cells under the Effect of Interferon- γ "
- 2007 Ohse Grant, Yale University; Recipient: Raymond Eid; \$5,000/one year; "Role of IL-17 in Aneurysmal Formation in Marfan's Syndrome"
- 2008 Ohse Grant, Yale University; Recipient: Michel-Ann Dias; \$10,000/one year; "Differential expression of homeobox genes in the normal human vasculature and aortic disease"
- 2009 Ohse Grant, Yale University; Recipient: Salman Khan; \$10,000/one year; "The Role of Transforming Growth Factor-beta in Marfan Syndrome"
- 2010 Ohse Grant, Yale University; Recipient: Jing Zhou; \$10,000/one year; "Effects of Peripheral Inflammation in Rejecting Allografts on Host Native Artery Atherosclerosis".
- 2011 Ohse Grant, Yale University; Recipient: Wei Li; \$20,000/one year; "The role of transforming growth factor-beta signaling in aortic aneurysm and dissection".

Editorial Activities:

- 1995-2001 Editorial Board: Video Journal of Cardiothoracic Surgery
- 1995- Ad Hoc Manuscript Reviewer: *Journal of Cardiac Surgery*, *Annals of Thoracic Surgery*, *Journal of Heart and Lung Transplantation*, *Transplantation*, *Journal of Thoracic and Cardiovascular Surgery*, *Nature Medicine*, *Laboratory Investigation*, *Current Molecular Medicine*, *Circulation*, *FASEB Journal*, *Blood*, *American Journal of Transplantation*, *Stem Cells*, *Journal of Experimental Medicine*, *Journal of Clinical Investigation*, *Archives of*

- Pathology, Arteriosclerosis Thrombosis and Vascular Biology, Circulation Research, Journal of Immunology, Cell Adhesion and Migration, American Journal of Pathology, Transplant Immunology, Journal of American College of Cardiology, Journal of Clinical Immunology, Molecular Medicine, Human Immunology, Nature Reviews Nephrology*
- 1998- Abstract Reviewer: 19th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, and 28th Annual Meetings of the International Society for Heart and Lung Transplantation; 4th, 5th, 7th, and 8th Joint Annual Meetings of the American Transplantation Society and the American Society of Transplant Surgeons; 1st World Transplant Congress; 8th Winter Symposium of the American Society of Transplant Surgeons, American Heart Association Scientific Sessions 2009, 2010, and 2011.
- 2000-2003 Grant Reviewer: Thoracic Surgery Foundation for Research and Education
- 2001-2003 Grant Reviewer: International Society for Heart and Lung Transplantation

Educational Activities:

Thesis Advisor of Ph.D. Students:

- 2005-2008 Paul C.Y. Tang; thesis “Role of MyD88-Dependent Inflammation in Flow-Mediated Vascular Remodeling”; co-mentor Jordan S. Pober; supported by a Vascular Research Postdoctoral Training Grant, NIH; currently Cardiothoracic Surgery Resident, Duke University

Thesis Advisor of M.S. Students:

- 2007-2008 Sheng-fu Larry Lo; thesis “Disease Predisposition and Molecular Heterogeneity of the Murine Aorta are Intrinsic to the Vessel Wall”; supported by Research Training Fellowship, Howard Hughes Medical Institute; currently Neurosurgery Resident, Johns Hopkins Hospital

Thesis Advisor of M.D. Students:

- 1997-1999 Sharam Salami; thesis “Reduction Ventriculoplasty”; co-mentor John A. Eleftheriades
- 2000-2002 Kevin Johnson; thesis “The Role of Adhesion Molecules in Pig-to-Human Xenotransplantation”; co-mentor Alfred L.M. Bothwell; supported by Minority Student Supplement Award, NIH/NHLBI
- 2000-2003 William R. Burns; thesis “Interferon- γ Mediates T Cell-Dependent Injury and Remodeling of Allogeneic Human Coronary Arteries”; co-mentor Jordan S. Pober; supported by Medical Student Research Training Fellowship, NIH/NHLBI and by Research Training Fellowship, Howard Hughes Medical Institute; awarded Research Training Fellowship Continued Support, Howard Hughes Medical Institute; currently General Surgery Resident, Johns Hopkins Hospital
- 2004-2005 Bidhan B. Das; local institutional sponsor of thesis “The Power Mix Tolerizing Regimen: Novel Tolerizing Regimens to Be Applied in the Cynomolgus Model”; mentor Joren C. Madsen; supported by Research Training Fellowship, Howard Hughes Medical Institute
- 2006 Amanda Silverio; thesis “Tryptophan Depletion by Indoleamine 2,3-Dioxygenase (IDO) Contributes to Medial Immunoprivilege in Graft Arteriosclerosis”
- 2008 Peter Gayed; preliminary thesis “Expression, Activity, and Localization of MMP2 and MMP9 in Flow-Mediated Vascular Remodeling”

Thesis Advisor of M.P.H. Students:

- 1996-1997 Jude Ade; thesis “Post-Coronary Artery Bypass Graft Recovery - a Cross Cultural Comparison”

Supervision of Postdoctoral Trainees:

- 1996-2001 Nancy C. Kirkiles-Smith, Ph.D.; currently Associate Research Scientist, Yale University
- 1996-2000 Denis A. Tereb, M.D.; Young Investigator Award, American Society of Transplant Surgeons; currently Attending Surgeon, Bridgeport Hospital

1998-2001	Richard W. Kim, M.D., co-mentor Jordan S. Pober; supported by a Baxter Healthcare Research Fellowship, The Thoracic Surgery Foundation for Research and Education; currently Assistant Professor of Surgery (Cardiothoracic), Yale University
2000-2001	Yinong Wang, M.D., Ph.D.; currently Assistant Professor of Pathology, University of Calgary, Canada
2001-2002	Yalai Bai, M.D., Ph.D.; currently Associate Research Scientist, Yale University
2000-2006	Alexander O. Yakimov, M.D.; currently Attending Physician, Moscow
2001-2003	Paul C.Y. Tang, M.D.; co-mentor John A. Elefteriades; supported by a Winchester Research Fellowship, Yale-New Haven Hospital; currently Cardiothoracic Surgery Resident, Duke University
2002-2004	Jinah Kim, M.D., Ph.D.; co-mentor Jordan S. Pober; supported by a Ethicon Fellowship Award, Society of University Surgeons; currently Pathology Resident, Yale-New Haven Hospital
2002-2006	Hooman Ranjbaran-Jahromi, M.D.; currently Cardiology Resident, Yale-New Haven Hospital
2004-2005	Seth I. Sokol, M.D.; co-mentor Steven Pfau; currently Assistant Professor of Medicine, Albert Einstein College of Medicine
2004-2007	Madison Cuffy, M.D.; co-mentors Jordan S. Pober and Fadi G. Lakkis; supported by a Minority Postdoctoral Supplement Award, NIH/NHLBI; currently Transplantation Surgery Resident, Columbia-Presbyterian Hospital
2004-2006	Ahmad Saad, M.D.; supported by a Research Fellowship Award, International Heart and Lung Transplantation Society; currently General Surgery Resident, Yale-New Haven Hospital
2005-2006	Amy Gallo, M.D.; co-mentor Jack Elias; currently General Surgery Resident, Stanford University
2006-2008	Rene Borscheid, M.D.; co-mentor Alfred L.M. Bothwell; currently General Surgery Resident, Yale-New Haven Hospital
2006-2008	Raymond Eid, M.D.; supported by a Victor A. McKusick Fellowship Award, National Marfan Foundation; currently General Surgery Resident, University of Pittsburgh Medical Center
2006-2008	Usman Ahmad, M.D.; currently General Surgery Resident, Yale-New Haven Hospital
2006-2009	Pei Zhang, Ph.D.; supported by a James Hudson Brown - Alexander B. Coxe Fellowship Award, Yale University
2006-	Lingfeng Qin, M.D.
2007-2009	Michel-Ann Dias, M.D.; supported by a Vascular Research Postdoctoral Training Grant, NIH; currently General Surgery Resident, Yale-New Haven Hospital
2008-2009	Salman F. Khan, M.D.; currently consultant, McKinsey & Company
2008-2009	Ahmad Saad, M.D.; currently General Surgery Resident, Yale-New Haven Hospital
2008-2009	Hussain Askar, M.D.; co-mentor Arnar Geirsson; currently General Surgery Resident, St. Mary's Hospital
2009-2011	Wei Li, M.D.; currently Assistant Professor of Surgery, Beijing University
2009-2011	Amir Lebastchi, M.D.; currently General Surgery Resident, Yale-New Haven Hospital
2010-	Richard Li, M.D.

Clinical Instruction of Surgery Residents (primary supervisor):

1995-	Cardiothoracic Surgery Residents (six month rotations at West Haven VA Hospital)
1995-2000	Cardiac Transplant Fellow (one year rotations at Yale-New Haven Hospital)
1995-1999	PGY-4 General Surgery Residents (three month rotations at West Haven VA Hospital)
1995-	PGY-2 General Surgery Residents (one month rotations at West Haven VA Hospital)

Student Teaching:

1995-1999	Cardiovascular Module, 2nd Year Yale Medical Student Pathophysiology Course
1995-	Cardiac Surgery Lectures, 3rd Year Yale Medical Student Surgery Rotation
1995-2000	Cardiac Surgery Lectures, Yale Physician Associate Program

1999-2000 Director of Medical Student Rotations, Section of Cardiothoracic Surgery
 2000 Clinical Case Presentation Conference, 1st Year Yale Medical Student Course
 2003 Medical Professions Outreach Program, Yale Undergraduate Students
 2008 Translational Medicine Course (CMP 610 Mentored Clinical Experience), Yale Graduate Students

Resident Teaching:

1995- Basic Science Lectures, Yale Affiliated General Surgery Residency Programs
 1995- Basic Science and Clinical Lectures, Yale Cardiothoracic Surgery Residents
 1999- Basic Science Lectures, Yale Cardiology Fellows
 2001-2002 Director of Cardiothoracic Resident Education, Section of Cardiothoracic Surgery

Invited Faculty:*National and International Meetings:*

1996 Thoracic Surgery and Regional Anesthesia Management Seminar; Annual Meeting of the Society of Cardiothoracic Anesthesiology, Salt Lake City, UT
 2000 Co-Chairman, Session on Pathophysiology of Chronic Rejection; Joint Meeting of the American Society of Transplant Surgeons and American Society of Transplantation, Chicago, IL
 2001 Co-Chairman, Session on Which Specific Risk Factors Influence Chronic Rejection; International Symposium on Chronic Rejection in Experimental and Clinical Transplantation: New Strategies in Research and Therapy, Wuerzburg, Germany
 2001 Co-Chairman, Session on Basic Science and Immunobiology 2: Tolerance and the Endothelium; International Society for Heart and Lung Transplantation, 21st Annual Meeting and Scientific Sessions, Vancouver, Canada
 2002 Co-Chairman, Mid-Day Workshop 7: Core Curriculum: Immunology for Dilettantes; International Society for Heart and Lung Transplantation, 22nd Annual Meeting and Scientific Sessions, Washington, DC
 2002 Co-Chairman, Session on Basic Science and Immunobiology 3: Costimulation and Cytokines; International Society for Heart and Lung Transplantation, 22nd Annual Meeting and Scientific Sessions, Washington, DC
 2003 Co-Chairman, Session on Clinical Heart Transplantation 1: Cardiac Allograft Vasculopathy; International Society for Heart and Lung Transplantation, 23rd Annual Meeting and Scientific Sessions, Vienna, Austria
 2003 Co-Chairman, Session on Heart Transplantation: Mechanisms and Diagnosis of Graft Injury; American Transplant Congress, Washington, DC
 2004 Co-Chairman, Session on Basic Science and Immunobiology: Chronic Rejection: Basic Mechanisms; International Society for Heart and Lung Transplantation, 24th Annual Meeting and Scientific Sessions, San Francisco, MA
 2004 Co-Chairman, Session on Outcomes and Complications after Cardiac Transplantation; American Transplant Congress, Boston, MA
 2004 Co-Chairman, State-of-the-art Symposium on Endothelial Activation and Vascular Remodeling, XX International Congress of the Transplantation Society, Vienna, Austria
 2005 Co-Chairman, Philip K. Caves Award Candidate Presentations Session; International Society for Heart and Lung Transplantation, 25th Annual Meeting and Scientific Sessions, Philadelphia, PA
 2005 Co-Chairman, Session on Risk for Rejection and Immunosuppression after Heart Transplantation; American Transplant Congress, Seattle, WA
 2006 Co-Chairman, Session on Basic Science and Immunobiology: Mechanisms of Rejection; International Society for Heart and Lung Transplantation, 26th Annual Meeting and Scientific Sessions, Madrid, Spain

- 2007 Co-Chairman, Symposium on Immunobiology for Clinicians: Principles of Therapy; International Society for Heart and Lung Transplantation, 27th Annual Meeting and Scientific Sessions, San Francisco, CA
- 2008 Co-Chairman, Session on Regulatory T Cells; International Society for Heart and Lung Transplantation, 28th Annual Meeting and Scientific Sessions, Boston, MA
- 2008 Co-Chairman, Symposium on Randomized Clinical Trials in Heart Transplantation; American Transplant Congress, Toronto, Canada
- 2008 Co-Chairman, Session on Innate Immunity: Chemokines, Cytokines; American Transplant Congress, Toronto, Canada

Postgraduate Training Courses:

- 1995 Surgeon, Americare Teaching Mission, St George Hospital, St Petersburg, Russia
- 2000 Co-Director, Technically Challenging Procedures in Adult Cardiac Surgery, Foxwoods Resort, CT

Invited Lectures:

- 1996 “Advances in Cardiac Surgery”, Frontiers in Cardiovascular Medicine, VA Hospital, West Haven, CT
- 1997 “Surgical Approaches to Atrial Fibrillation”, 7th Annual Cardiovascular Symposium on Atrial Fibrillation, New Haven, CT
- 1998 “Transplantation Models in Human/Mouse Chimeras”, New England Surgical Society Spring Meeting, New Haven, CT
- 1998 “Advances in Cardiac Surgery”, Cardiology Update, VA Hospital, West Haven CT
- 1999 “Cardiac Replacement Therapy”, Surgery Grand Rounds, Yale University School of Medicine, New Haven, CT
- 1999 “Interferon- γ -Induced Arteriosclerosis”, Cardiology Grand Rounds, Yale University School of Medicine, New Haven, CT
- 2000 “Cytokine-Mediated Vascular Injury”, Surgery Grand Rounds, Yale University School of Medicine, New Haven, CT
- 2000 “Cytokine-Induced Vascular Injury”, Transplantation Biology Research Center, Massachusetts General Hospital, Boston, MA
- 2000 “Cytokine-Mediated Vascular Injury”, Eastern Surgical Society Meeting, New Haven, CT
- 2000 “Cytokine-Induced Vascular Injury”, Allergy and Clinical Immunology Research Seminars, Yale University School of Medicine, New Haven, CT
- 2001 “The Role of Interferon- γ in Arteriosclerosis”, International Symposium on Chronic Rejection in Experimental and Clinical Transplantation: New Strategies in Research and Therapy, Wuerzburg, Germany
- 2001 “Cytokine-Induced Vascular Injury”, Interdepartmental Program in Vascular Biology and Transplantation Research Seminar, Yale University School of Medicine, New Haven, CT
- 2001 “New Animal Models of Graft Vascular Disease”, Joint Retreat of the Interdepartmental Program in Vascular Biology and Transplantation and the Interdisciplinary Program in Clinical Transplantation, Yale University School of Medicine, New Haven, CT
- 2002 “Coronary Artery Disease”, Surgery Grand Rounds, Yale University School of Medicine, New Haven, CT
- 2002 “Effector Mechanisms”, Core Curriculum: Immunology for Dilettantes, International Society for Heart and Lung Transplantation, 22nd Annual Meeting and Scientific Sessions, Washington, DC
- 2002 “Arterial Remodeling”, Pulmonary Medicine Research Seminars, Yale University School of Medicine, New Haven, CT
- 2003 “Surgical Revascularization of the Failing Heart”, Surgery Grand Rounds, Yale University School of Medicine, New Haven, CT
- 2003 “Inducers and Markers of Type I Cytokine-Producing Immune Responses in Coronary Atherosclerosis”, 3rd Annual Joint Retreat of the Interdepartmental Program in Vascular

- Biology and Transplantation and the Interdisciplinary Program in Clinical Transplantation, Yale University School of Medicine, New Haven, CT
- 2004 “The Pathology of Vascular Remodeling”, Novartis Satellite Symposium, Annual Meeting of the Canadian Society of Transplantation, Mont Tremblant, Canada
- 2004 “Vascular Remodeling”, State-of-the-art Symposium, XX International Congress of the Transplantation Society, Vienna, Austria
- 2004 “Cytokines and MMPs in Thoracic Aneurysms”, Annual Joint Retreat of the Interdepartmental Program in Vascular Biology and Transplantation, Yale University School of Medicine, New Haven, CT
- 2005 “Molecular Biology of Arteriosclerosis”, 47th Annual World Congress of the International College of Angiology, Uncasville, CT
- 2005 “Bystander Activation of Coronary Artery-Infiltrating T Cells”, Vascular Biology and Transplantation Program Seminar, Yale University School of Medicine, New Haven, CT
- 2005 “Interferon-gamma Potentiates Apoptosis of Human Vascular Smooth Muscle Cells by Upregulation of XAF1 and Noxa”, Yale Vascular Biology and Transplantation and Yale-New Haven Transplantation Center Joint Retreat, Yale University School of Medicine, New Haven, CT
- 2006 “Hearts Gone Bad”, Predictive Factors: Post Transplant Events Influencing Graft Survival, 6th Annual Winter Symposium, American Society of Transplant Surgeons, Scottsdale, AZ
- 2006 “Inflammatory Pathways of Cytokine Production in Coronary Atherosclerosis”, Allergy and Clinical Immunology Research Seminar, Yale University School of Medicine, New Haven, CT
- 2006 “T Cell-Vascular Cell Interactions”, Vascular Biology Symposium, World Transplant Congress, Boston, MA
- 2006 “Innate and Adaptive Immunity in Arteriosclerosis”, Alumni Weekend Symposium, Yale School of Medicine, New Haven, CT
- 2006 “Interactions between T Cells and Vascular Smooth Muscle Cells”, Cambridge-Yale Cardiovascular Research Programme, Cambridge University, Cambridge, England
- 2007 “Mesenchymal Cell Regulation of Alloresponses”, International Society for Heart and Lung Transplantation, 27th Annual Meeting and Scientific Sessions, San Francisco, CA
- 2007 “Allograft Vasculopathy”, Basic Science Symposium of the Transplantation Society and the Canadian Society of Transplantation, Halifax, Canada
- 2007 “Surgical Research?”, Surgery Grand Rounds, Yale University School of Medicine, New Haven, CT
- 2007 “Mechanisms of Vascular Remodeling”, Cambridge-Yale Cardiovascular Research Program, Yale University, New Haven, CT
- 2007 “Pathophysiology of Aortic Disease”, Summit on Acute Aortic Diseases: Lux et Veritas, Yale University, New Haven, CT
- 2008 “Impact of Coronary Artery Disease on Transplant Outcomes”, American Society of Transplant Surgeons 8th Annual State of the Art Winter Symposium, Marco Island, FL
- 2008 “Inflammation, IFN-gamma and Coronary Artery Disease Before and After Transplantation”, Satellite Session on Emerging Concepts in Graft Remodeling, International Society for Heart and Lung Transplantation, 28th Annual Meeting and Scientific Sessions, Boston, MA
- 2008 “Endothelial Injury Response”, FASEB Summer Meeting on Transplantation Immunology, New Haven, CT
- 2008 “Inflammation is Necessary for Flow-Mediated Vascular Remodeling”, Cambridge-Yale Cardiovascular Research Programme, Cambridge University, Cambridge, England
- 2008 “Cytokine-Chemokine Networks in Chronic Allograft Dysfunction”, International Society of Nephrology Nexus Symposium on Transplantation and the Kidney: New Insights into Pathogenesis and Management of Chronic Allograft Dysfunction, Rome, Italy
- 2009 “Alarmin-Mediated Inflammation by Vascular Responses to Stress, Injury, and Death” Transplantation Biology Seminar Series, University of Pittsburgh, Pittsburgh, PA
- 2009 “Phase 1 Clinical Trial of Human Fibroblast Cell-Mesh for LV Dysfunction” 5th International Conference on Cell Therapy for Cardiovascular Disease, New York, NY

- 2009 “Parainflammation in Physiologic Vascular Remodeling”, Wisconsin Surgical Society visit, Yale University, New Haven, CT
- 2009 “Medial Immunoprivilege”, Cambridge-Yale Cardiovascular Research Program, Yale University, New Haven, CT
- 2009 “Clinical Application of Tissue Engineered Angiogenic Cell Sheets”, American Heart Association Scientific Sessions, Orlando, FL
- 2009 “Immune Responses in the Medial and Adventitial Compartments of Large Arteries”, Seminars in Vascular Biology, Harvard Medical School, Boston, MA
- 2009 “Vascular Expression of TGF- β Inhibits IFN- γ Production and Arterial Injury by Alloreactive Memory T Cells”, First Annual Retreat of the Human and Translational Immunology Program, Yale University, New Haven, CT
- 2010 “Anatomy and Molecular Biology of the Thoracic Aorta”, Cardiothoracic Surgery Seminar, St. Elizabeth’s Medical Center, Boston, MA
- 2010 “Smooth Muscle Cell Lineages”, Cambridge-Yale Joint Research Program, Cambridge University, Cambridge, England
- 2010 “Medial Immunoprivilege”, Retreat of the Yale Vascular Biology and Therapeutics Program, Yale University School of Medicine, New Haven, CT
- 2011 “Cambridge vs. Yale Concepts of Ventriculo-Aortic Coupling”, Cambridge-Yale Cardiovascular Research Program, Yale University, New Haven, CT
- 2011 “Six Chamber Heart”, Surgery Grand Rounds, Yale University School of Medicine, New Haven, CT
- 2011 “Six Chamber Heart”, Cardiology Grand Rounds, Yale University School of Medicine, New Haven, CT
- 2012 “Homeostatic Role of TGF- β in the Artery Wall”, Vascular Biology and Therapeutics Seminar, Yale University School of Medicine, New Haven, CT
- 2012 “Graft-Related Cardiovascular Disease of the Transplant Recipient”, Cambridge-Yale Cardiovascular Research Program, Cambridge University, Cambridge, England
- 2012 “TGF- β and Vascular Injury”, Third Annual Retreat of the Human and Translational Immunology Program, Yale University, New Haven, CT
- 2012 “Pharmacological Therapy for Williams Syndrome Arteriopathy”, 13th International Williams Syndrome Scientific and Professional Conference, Boston, MA
- 2012 “Bioengineering Opportunities to Treat Aortic Stiffness”, Yale-UCL MedTech Collaborative Symposium, Yale University School of Medicine, New Haven, CT
- 2013 “Pathological Aortic Remodeling”, Surgery Grand Rounds, Yale University School of Medicine, New Haven, CT
- 2013 “mTOR Inhibition for Aortic Disease”, Cambridge-Yale Cardiovascular Research Program, Yale University, New Haven, CT

Publications**Original Articles:**

1. Tellides G, Dallman MJ, Kupiec-Weglinski JW, Diamantstein T, Morris PJ. Functional blocking of the interleukin-2 receptor (IL-2R) may be important in the efficacy of IL-2R antibody therapy. *Transplant Proc.* 1987;19:4231-4233.
2. Tellides G, Dallman MJ, Morris PJ. Synergistic interaction of cyclosporine A with interleukin 2 receptor monoclonal antibody therapy. *Transplant Proc.* 1988;20(suppl 2):202-206.
3. Kupiec-Weglinski JW, Hahn HJ, Kirkman RL, Volk HD, Mouzaki A, DiStefano R, Tellides G, Dallman M, Morris PJ, Strom TB, Tilney NL, Diamantstein T. Cyclosporine potentiates the immunosuppressive effects of anti-interleukin 2 receptor monoclonal antibody therapy. *Transplant Proc.* 1988;20(suppl 2):207-216.
4. Gassel HJ, Tellides G, Engemann R, Morris PJ. Cyclosporine A in orthotopic rat liver transplantation: Influence on major histocompatibility complex antigen expression and graft adaptation. *Transplant Proc.* 1988;20(suppl 3):1081-1090.
5. Gassel HJ, Engemann R, Tellides G, Morris PJ. Long-term acceptance of allogeneic rat liver grafts after temporary treatment with anti-interleukin 2 receptor monoclonal antibody. *Langenbecks Arch Chir.* 1988;373(suppl 1):363-366.
6. Tellides G, Dallman MJ, Morris PJ. Characterization and immunosuppressive efficacy of monoclonal antibodies to seven lymphocyte activation antigens. *Surg Forum.* 1988;39:355-358.
7. Gassel HJ, Hutchinson IV, Tellides G, Knoop M, Hackmann J, Engemann R, Morris PJ. Phenotypic characterization of T-suppressor lymphocytes induced by orthotopic rat liver transplantation. *Transplant Proc.* 1989;21:429-430.
8. Tellides G, Dallman MJ, Morris PJ. Mechanism of action of interleukin-2 receptor (IL-2R) monoclonal antibody (MAb) therapy: Target cell depletion or inhibition of function? *Transplant Proc.* 1989;21:997-998.
9. Touloukian RJ, Tellides G. Retrosternal ileocolic esophageal replacement in children revisited: Antireflux role of the ileocecal valve. *J Thorac Cardiovasc Surg.* 1994;107:1067-1072.
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15. Lorber MI, Wilson JH, Robert ME, Schechner JS, Kirkiles N, Qian HY, Askenase PW, Tellides G, Pober JS. Human allogeneic vascular rejection after arterial transplantation and peripheral lymphoid reconstitution in severe combined immunodeficient mice. *Transplantation*. 1999;67:897-903.
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