CURRICULUM VITAE

Robert C. Robbins, M.D.

Present Title and Affiliation

Visiting Distinguished Fellow,
The Hoover Institute at Stanford University
Professor of Surgery,
The University of Arizona

Office Address

Hoover Institution
Herbert Hoover Memorial Bldg M 245
Stanford University
Stanford, CA 94305-6010

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Education

DEGREE	INSTITUTION	MAJOR FIELD	DATES
A.A.	Jones Junior College Ellisville, Mississippi	Chemistry	9/75 – 5/77
B.S.	Millsaps College Jackson, Mississippi	Chemistry	9/77 – 5/79
M.D.	University of Mississippi Medical Center Jackson, Mississippi	Chemistry	9/79 – 5/83

Training

POSITION	INSTITUTION	DEPARTMENT	DATES
Intern	University of Mississippi Medical Center Jackson, Mississippi	Medicine	7/83 – 6/84
Resident	University of Mississippi Medical Center Jackson, Mississippi	General Surgery	7/84 – 12/85
Postdoctoral Fellow	Columbia Presbyterian Medical Center New York, New York	General Surgery	1/86 – 6/86
Clinical Associate	National Institute of Health (NIH) / Surgery Branch, The National Heart, Lung, and Blood Institute (NHLBI) Bethesda, Maryland	Cardiothoracic Surgery	7/86 – 6/88
Chief Resident	University of Mississippi Medical Center Jackson, Mississippi	Cardiothoracic Transplantation Department of Surgery	7/88 – 6/89
Resident	Stanford University Hospital Stanford, California	General Surgery	7/89–6/91
Chief Resident	Stanford University Hospital Stanford, California	Cardiothoracic Surgery	7/91– 6/92
Pediatric Fellow	Emory University School of Medicine Atlanta, Georgia	Congenital Heart Surgery	7/92 – 12/92
Pediatric Fellow	Royal Children's Hospital Melbourne, Australia	Congenital Heart Surgery	1/93 – 6/93

Academic and Executive Positions

President
University of Arizona
Tucson, AZ
June 1, 2017–September 30, 2024

Professor of Surgery
University of Arizona College of Medicine – Tucson
Sarver Heart Center
Tucson, AZ
June 1, 2017–present

President and CEO
Texas Medical Center
Houston, TX
2012–2017

Adjunct Professor of Bio Medical Engineering
University of Houston
Houston, TX
2014–2017

Adjunct Professor of Surgery
Baylor College of Medicine
Houston, TX
2013–2017

Adjunct Professor of Bio Medical Engineering
Rice University
Houston, TX
2013– 2017

Professor of Cardiothoracic Surgery
Texas Heart Institute
Houston, TX
2012–2017

Thelma and Henry Doelger Professor of Cardiovascular Surgery II
Stanford University School of Medicine
May 1, 2009 – 2012

Professor of Cardiothoracic Surgery
Stanford University School of Medicine
April 1, 2005 – 2012

Chairman, Department of Cardiothoracic Surgery
Stanford University School of Medicine
February 1, 2005 – 2012

Director, Stanford Institute for Cardiovascular Medicine
Stanford University
March 1, 2004 – 2012

Co-Director, Cardiac Clinical Center
Stanford Hospital and Clinics
June 16, 2002 – 2012

Associate Professor of Cardiothoracic Surgery (with tenure)
Stanford University School of Medicine
November 1, 2001 – March 31, 2005

Director, Heart, Heart-Lung, and Lung Transplant Program
Stanford University School of Medicine
September 1, 1998 – 2012

Assistant Professor of Cardiothoracic Surgery
Stanford University School of Medicine
March 1, 1995 – October 31, 2001

Acting Assistant Professor of Cardiothoracic Surgery
Stanford University School of Medicine
July 1, 1993 – February 29, 1995

Director, Cardiothoracic Transplantation Laboratory
Stanford University School of Medicine
July 1, 1993 – 2012

Distinguished Visiting Fellow
Hoover Institute
Stanford University
October 2024 - Present

University Service

1993–2003	File Reviewer and Interviewer, Medical School Admissions Panel, Stanford University School of Medicine
1993–2012	Elective Clerkship Coordinator, Department of Cardiothoracic Surgery, Stanford University School of Medicine
1997–2012	Advisory Board, Medical Device Network, Stanford University School of Medicine
2002	Search Committee, Division of Cardiology, Arrhythmia Section, Chief, Stanford University School of Medicine
2002–2003	Operating Budget Formula Committee, Stanford University School of Medicine
2002–2003	Search Committee, Division of Pediatric Pulmonary Medicine, Chief, Stanford University School of Medicine
2002–2003	Search Committee, Director, Wall Center for Pulmonary Hypertension, Stanford University School of Medicine
2003	Search Committee, Interventional Cardiology, Stanford University School of Medicine
2005–2006	Search Committee, Chair, Department of Medicine, Stanford University School of Medicine
2007–2008	Stanford University NCAA Athletic Certification Committee
2007–2009	Stanford University Fellow
2009–2010	Stanford Leadership Academy
2010	Chair, Search Committee, Chair, Department of Radiology, Stanford University

Certifications

American Board of Surgery	1990, Certificate #35852 2002, Recertification #45856, 2013
American Board of Thoracic Surgery	1994, Certificate #5559 2002, Recertification, 2014

Public and Professional Service

1995–2012	Manuscript Reviewer, Annals of Thoracic Surgery
1996–2012	Manuscript Reviewer, Journal of Thoracic and Cardiovascular Surgery
1996	Ad Hoc Reviewer, National Institute of Neurological Disorders and Stroke Study Section, NIH
1996–2012	Manuscript Reviewer, New England Journal of Medicine
1996–2012	Abstract Reviewer, International Society of Heart and Lung Transplantation
1996–2012	California Transplant Donor Network–Medical Affairs Committee
1997–2004	Vivien Thomas Young Investigator Award Selection Committee, American Heart Association
1997–2008	Executive Committee, American Heart Association Council on Cardiothoracic and Vascular Surgery
1999–2002	Thoracic Organ Transplantation Committee, United Network for Organ Sharing
1999–2002	Region 5 Thoracic Organ Representative and Review Board Chair, United Network for Organ Sharing
1999–2004	Program Committee, American Heart Association
Dec 4 2000	NHLBI Working Group on Tolerance Induction, National Institutes of Health
Feb 7–9, 2001	Immunopathogenesis of Chronic Graft Rejection Committee, NIAID, National Institutes of Health
Mar 28–29 2001	Committee for Maximizing Use of Organs from Cadaver Donors, American Society of Transplantation/American Society of Transplant Surgeons
2000–2002	Co-Chair, Ventricular Assist Device Council, International Society of Heart and Lung Transplantation
2000–2006	Research Committee, Thoracic Surgery Foundation for Research and Education
May 25, 2001	Expert Panel on Minimally Invasive Surgery, Health Technology Center
2001–2002	Program Chair, International Society of Heart and Lung Transplantation
2002–2005	Guest Editor, Circulation, Surgical Supplement
2002–2005	American Heart Association Committee on Scientific Sessions Program, Cardiovascular Surgery and Anesthesia Council Representative
2002–2006	Program Chair, Western Thoracic Surgical Association
2003–2006	Membership Committee, American Association for Thoracic Surgery
2005–2006	Chair, Membership Committee, American Association for Thoracic Surgery
2003–2012	Data Safety Monitoring Board, National Institutes of Health, Surgical Treatment of Ischemic Congestive Heart Failure (STICH) Trial

2003	Program Chair, Mechanical Cardiac Support and Replacement III Symposium, International Society of Heart and Lung Transplantation, November 7-8, 2003
2003	Program Committee, International Society of Heart and Lung Transplantation
2003–2005	Education Committee, American Association for Thoracic Surgery
2003–2006	Membership Committee, American Association for Thoracic Surgery
2004–2006	Workforce on Clinical Education, Society of Thoracic Surgeons
2004–2008	Workforce on Surgical Treatment of End-Stage Cardiopulmonary Disease, Society of Thoracic Surgeons
2005–2007	Vice Chair, American Heart Association Cardiovascular Surgery and Anesthesia Council
2006	President, International Society of Heart and Lung Transplantation
2006	President, Bay Area Society of Thoracic Surgeons
2006	Strategic Planning Committee, American Heart Association
2006	Strategic Planning Committee, NHLBI, Regenerative and Reparative Medicine
2006–2012	President's Cabinet, California Polytechnic State University, San Luis Obispo, CA
2007	Co-Chair, AATS/STS Tech Con meeting
2007–2009	Chair, American Heart Association Cardiovascular Surgery and Anesthesia Council
2007–2009	Councilor-at-Large, Western Thoracic Surgical Association
2009–2014	Board of Directors, American Heart Association Western States Affiliate
2009–2011	Secretary, American Heart Association Western States Affiliate
2010–2011	Vice President (President Elect), Western Thoracic Surgical Association
2011–2012	President, Western Thoracic Surgical Association
2011	President Elect, American Heart Association Western States Affiliate
2012–2014	President, American Heart Association Western States Affiliates
2015–2017	Board of Directors, Treasurer, Welch Foundation
2015–2017	Houston branch of the Dallas Federal Reserve Board
2015	Blue Ribbon Committee to evaluate the Veterans Affairs Health System
2016–2017	President, American Heart Association Southwest Affiliate
2016	World Affairs Council of Greater Houston International Citizen of the Year Jesse H. Jones Award Recipient

Patents

TRANSMURAL ABLATION DEVICE

Patent number: 8882762

Abstract: A transmural ablation device is provided to achieve endocardial and epicardial ablation at the same site but directed from the inner and outer surfaces of the heart to create a transmural lesion. By ablating from both sides of the heart tissue, it is possible to increase the depth of the lesion created and to increase the likelihood of a transmural lesion. Embodiments pertain to techniques to align the endocardial and epicardial ablation elements and techniques to position and move the endocardial and epicardial ablation elements along a predefined linear, curvilinear, or circular path. The ability to bring the epicardial and endocardial elements more closely or firmly with the underlying tissue is important in creating optimal lesions. Magnetic force attracts the epicardial and endocardial elements.

Type: Grant
Filed: November 30, 2010
Date of Patent: November 11, 2014
Assignee: The Board of Trustees of the Leland Stanford Junior University
Inventors: Paul J Wang, Amin Al-Ahmad, William Francis Johnston, Kai Ihnken, Kaartiga Sivanesan, Morgan Clyburn, Kathleen Lee Kang, Lauren Shui Sum Chan, Robert C Robbins, Friedrich B. Prinz

CHEMICALLY DEFINED PRODUCTION OF CARDIOMYOCYTES FROM PLURIPOTENT STEM CELLS

Publication number: 20140134733

Abstract: Methods are provided for producing a cardiomyocyte population from a mammalian pluripotent stem cell population. Aspects of the methods include using a Wnt signaling agonist and antagonist, each in minimal media, to modulate Wnt signaling. Also provided are kits for practicing the methods described herein.

Type: Application
Filed: November 13, 2013
Publication date: May 15, 2014
Applicant: The Board of Trustees of the Leland Stanford Junior University
Inventors: Joseph Wu, Robert C. Robbins, Paul W. Burridge

TRANSMURAL ABLATION DEVICE

Publication number: 20130131665

Abstract: A transmural ablation device is provided to achieve endocardial and epicardial ablation at the same site but directed from the inner and outer surfaces of the heart to create a transmural lesion. By ablating from both sides of the heart tissue, it is possible to increase the depth of the lesion created and to increase the likelihood of a transmural lesion. Embodiments pertain to techniques to align the endocardial and epicardial ablation elements and techniques to position and move the endocardial and epicardial ablation elements along a predefined linear, curvilinear, or circular path. The ability

to bring the epicardial and endocardial elements more closely or firmly with the underlying tissue is important in creating optimal lesions. Magnetic force attracts the epicardial and endocardial elements.

Type: Application
Filed: November 30, 2010
Publication date: May 23, 2013
Inventors: Paul J. Wang, Amin Al-Ahmad, William Francis Johnston, Kai Ihnken, Kaartiga Sivanesan, Morgan Clyburn, Kathleen Lee Kang, Lauren Shui Sum Chan, Robert C. Robbins, Friedrich B. Prinz

CARDIOMYOCYTES FROM INDUCED PLURIPOTENT STEM CELLS FROM PATIENTS AND METHODS OF USE THEREOF

Publication number: 20130029866

Abstract: Human somatic cells obtained from individuals with a genetic heart condition are reprogrammed to become induced pluripotent stem cells (iPS cells), and differentiated into cardiomyocytes for use in analysis, screening programs, and the like.

Type: Application
Filed: July 20, 2012
Publication date: January 31, 2013
Inventors: Ning Sun, Michael T. Longaker, Robert C. Robbins, Joseph Wu, Feng Lan, Andrew Stephen Lee, Paul W. Burridge

METHOD AND COMPOSITION FOR INHIBITING CARDIOVASCULAR CELL PROLIFERATION

Publication number: 20100113353

Abstract: Cardiovascular cell proliferation in a blood vessel subjected to trauma, such as angioplasty, vascular graft, anastomosis, or organ transplant, can be inhibited by contacting the vessel with a polymer consisting of from 6 to about 30 amino acid subunits, where at least 50% of the subunits are arginine, and the polymer contains at least six contiguous arginine subunits. Exemplary polymers for this purpose include arginine homopolymers 7 to 15 subunits in length.

Type: Application
Filed: September 8, 2009
Publication date: May 6, 2010
Applicant: Leland Stanford Junior University
Inventors: John P. Cooke, Garrison C. Fathman, Jonathan B. Rothbard, Shiro Uemura, Robert C. Robbins, Murray H. Kown

METHOD AND COMPOSITION FOR INHIBITING CARDIOVASCULAR CELL PROLIFERATION

Publication number: 20040074504

Abstract: Cardiovascular cell proliferation in a blood vessel subjected to trauma, such as angioplasty, vascular graft, anastomosis, or organ transplant, can be inhibited by contacting the vessel with a polymer consisting of from 6 to about 30 amino acid subunits, where at least 50% of the subunits are arginine, and the polymer contains at least six contiguous arginine subunits. Exemplary polymers for this purpose include arginine homopolymers 7 to 15 subunits in length.

Type: Application
Filed: May 20, 2003
Publication date: April 22, 2004
Inventors: John P. Cooke, Garrison C. Fathman, Jonathan B. Rothbard, Shiro Uemura, Robert C. Robbins, Murray H. Kown

METHOD AND COMPOSITION FOR INHIBITING CARDIOVASCULAR CELL PROLIFERATION

Patent number: 6605115

Abstract: Cardiovascular cell proliferation in a blood vessel subjected to trauma, such as angioplasty, vascular graft, anastomosis, or organ transplant, can be inhibited by contacting the vessel with a polymer consisting of from 6 to about 30 amino acid subunits, where at least 50% of the subunits are arginine, and the polymer contains at least six contiguous arginine subunits. Exemplary polymers for this purpose include arginine homopolymers 7 to 15 subunits in length.

Type: Grant
Filed: June 5, 2000
Date of Patent: August 12, 2003
Assignee: Board of Trustees of the Leland Stanford Junior University
Inventors: John P. Cooke, Garrison C. Fathman, Jonathan B. Rothbard, Shiro Uemura, Robert C. Robbins, Murray H. Kown

Research Grants

“Arginine Polypeptide Medicated Blockade of Vein Graft Atherosclerosis”

Agency: Cellgate, Inc. **Dates:** 8/1/99–6/30/00
Principal Investigator: Robert C. Robbins, M.D.
The novel arginine polypeptide R7 will be utilized for the prevention of intimal hyperplasia inarterialized vein grafts in a rabbit model.

“Imaging Apoptosis Associated Rejection in Cardiac Transplants with Tc-99m Annexin V Lipocortin”

Agency: Theseus Medical Imaging Corp. **Dates:** 7/1/99–6/30/00
Principal Investigator: Robert C. Robbins, M.D.
Based on animal studies in our laboratory this clinical study will assess the efficacy of Tc-99m Annexin V as a non-invasive diagnostic tool for cardiac rejection.

“Simple Anastomosis Device”

Agency: The Lemelson Foundation – No. 249-99 **Dates:** 7/1/98–6/30/03
Principal Investigator: Robert C. Robbins, M.D.
To develop a mechanical anastomotic device for the connection of bypass conduits to the aorta and the coronary arteries.

“Imaging Apoptosis in vivo with Technetium 99m Annexin”

Agency: National Institutes of Health – No. 61717 **Dates:** 7/1/99–6/20/02
Other Investigator: Robert C. Robbins, M.D.
The use of Tc-99m Annexin V for investigation of apoptosis following cardiac transplantation.

“A Three-Year, Randomized, Multicenter Group…Study Efficacy and Safety of SDZ RAD Versus Azathioprine…Immunosuppressive Therapy…Decline of Pulmonary Function in Lung or Heart/Lung Transplant…Risk…Bronchiolitis”

Agency: Novartis Pharmaceuticals Corp. – No. RABD 159 **Dates:** 7/1/98–6/30/03
Other Investigator: Robert C. Robbins, M.D.
To assess the efficacy of the new immunosuppressant, SDZ RAD, in lung transplant recipients with obliterative bronchiolitis.

“The Regulatory Role of Bcl-2 in Myocardial Ischemia/Reperfusion Injury and Graft Coronary Artery Disease”

Agency: American Heart Association, Western States Affiliate – No. 0060027Y
Principal Investigator: Robert C. Robbins, M.D. **Dates:** 7/1/00–6/30/02
To investigate the role that bcl-2 may play as a link between allograft reperfusion injury and graft coronary artery disease

“Oxidative Stress Signaling in Graft Coronary Artery Disease”

Agency: National Institutes of Health – No. 1 RO1 HL65669-01A1 **Dates:** 7/1/00–6/30/04
Principal Investigator: Robert C. Robbins, M.D.
To investigate myocardial oxidative stress following cardiac transplantation and how it contributes to the development of graft coronary artery disease via a bcl-2-dependent mechanism.

“Induced Pluripotent Stem Cells in the Understanding and Treatment of Heart Disease”

Agency: National Institutes of Health – No. 1U01HL099776 **Dates:** 10/1/09–9/30/16
Principal Investigator: Robert C. Robbins, M.D.
To investigate the use of Induced Pluripotent Stem Cells for the regeneration of damaged myocardial tissue.

“Human Embryonic Stem Cell-Derived Cardiomyocytes for Patients with end Stage Heart Failure”

Agency: California Institute for Regenerative Medicine
Principal Investigator: Robert C. Robbins, M.D.
Turn embryonic stem cells into cardiomyocytes to become heart muscle.
Develop methods for producing sufficient quantities of clinical therapy.

Foundation Support

1994–2008 Dr. Ralph and Marian Falk
Medical Research Trust

Editorial Boards

2001–2007 Editorial Board, Journal of Thoracic and Cardiovascular Surgery
2001–2004 Editorial Board, Cardiac Surgery Digest
2003–2008 Editorial Board, Journal of Heart and Lung Transplantation
2005 Editorial Board, Innovations
2012–2013 Publisher, Texas Medical Center News

Board of Directors

1997–2005 Board of Directors, California Transplant Donor Network
2000–2008 Board of Directors, International Society of Heart and Lung Transplantation
2000–2003 Board of Directors, Cohesion Technologies, Palo Alto, CA
2000–2009 Board of Directors (Co-Founder), Cardica, Inc., Menlo Park, CA
2000–2008 Board of Directors, Bay Area Society of Thoracic Surgeons
2003–2015 Board of Directors, Cytograft Tissue Engineering, Inc., Novato, CA
2008–2011 Board of Directors, CoRepair, Inc., Sunnyvale, CA
2009–2017 Board of Directors, American Heart Association Western States Affiliate
2010–2017 Board of Trustees, Millsaps College, Jackson, MS
2011–2017 Board of Directors (Co-Founder), Stem Cell Theranostics, Stanford, CA
2011–2017 Board of Directors (Co-Founder), WangBlade, Stanford, CA
2012–2017 Board of Directors, Texas Medical Center
2012–2017 Board of Directors, Greater Houston Partnership
2012–2017 Board of Directors, Greater Houston Convention and Visitors Bureau
2012–2017 Board of Directors, Houston Academy of Medicine Texas Medical Center Library
2012–2017 Board of Directors, Friends of Houston Academy of Medicine Texas Medical Center Library

2012–2017 Board of Directors, Houston Technology Center
2014–2017 Board of Directors, Health Connect
2014–2017 Board of Directors, Bio Houston
2014–2017 Board of Directors, Welch Foundation
2014–2017 Board of Directors, Houston United Way
2014–2017 Board of Directors, Herman Park Conservatory
2015–2017 Federal Reserve Bank of Dallas, Houston Branch
2017-2024 Board of Directors, Arizona Commerce Authority
2017–2024 Board of Directors, Tucson Metro Chamber of Commerce
2017–2024 Board of Directors, Greater Phoenix Economic Council
2017–2024 Member, Greater Phoenix Leadership
2017–2024 Board of Directors, Southern Arizona Leadership Council
2017–2024 Chairman's Circle, Sun Corridor, Inc.
2017–2024 Board of Directors, Tucson United Way
2017–2024 Board of Trustees, Udall Foundation
2018–2024 Second Nature Climate Steering Committee and UC3 Coalition
2020–2024 Arizona State Board of Education

Advisory Roles

1995–2000 Scientific Advisory Board, Transvascular, Inc., Menlo Park, CA
1995–1998 Scientific Advisory Board, Embol-X, Inc., Sunnyvale, CA
1997–2000 Scientific Advisory Board, ArthroCare, Corp., Sunnyvale, CA
1997–1999 Scientific Advisory Board, Cardio Vention, Inc., Palo Alto, CA
1997–2008 Scientific Advisory Board, Cardica (Vascular Innovations), Inc., Menlo Park, CA
1997–2000 Scientific Advisory Board, A-med, Inc., Sacramento, CA
1999–2001 Scientific Advisory Board, Microheart, Inc., Sunnyvale, CA
2000–2004 Scientific Advisory Board, Radiant Medical, Redwood City, CA
2000–2015 Scientific Advisory Board, Cytograft Tissue Engineering, Inc., Novato, CA
2001 Scientific Advisory Board, Curis, Inc., Cambridge, MA
2005 Clinical Advisory Board, Afmedica, Inc., Kalamazoo, MI
2001–2008 Scientific Advisory Board, Paracor Surgical, Inc., Sunnyvale, CA
2001–2006 Physician Advisory Panel, Cardiac Surgery Technologies, Medtronic, Inc., Minneapolis, MN
2002–2004 Clinical Advisory Board, Xoma, LLC, Berkeley, CA
2005 Theregen, Corp, San Francisco, CA
2007–2012 Corporate Advisory Board, Medtronic , Inc., Minneapolis, MN
2012–2017 Advisory Board, Ronald McDonald House, Houston

Memberships

American Association for Thoracic Surgery

American Surgical Association

Society of Thoracic Surgeons

Western Thoracic Surgical Association

Fellow, American College of Surgeons

Andrew G. Morrow Society

Association of Academic Surgeons

Fellow, American Heart Association

James D. Hardy Society

San Francisco Surgical Society

Fellow, American College of Cardiology

International Society of Heart and Lung Transplantation

American Association for the Advancement of Science

The Transplantation Society

The 21st Century Cardiac Surgical Society

American Society of Transplant Surgeons

American Society of Transplantation

Society of University Surgeons

Founding Member, Bay Area Society of Thoracic Surgeons

Current Research Interests

1. Stem Cell Biology and the use of Stem Cells for the Treatment of Congestive Heart Failure
2. Cardiac Allograft Vasculopathy (Chronic Cardiac Transplant Rejection)
3. Genetic Mechanisms of Idiopathic Dilated Cardiomyopathy
4. Development of Automated Vascular Anastomosis Devices
5. Growth and Implantation of Autologous Tissue Engineered Vascular Grafts

Postdoctoral Research Scholars Supervised

1993–1994 Steve Nisco, M.D., Surgical Resident, Massachusetts General Hospital, Boston, MA ; Private Practice, Spokane, WA

1993–1995 Kim Gandy, M.D., Surgical Resident, University of Minnesota, Minneapolis, MN; Associate Professor of Cardiothoracic Surgery, University of Missouri, Kansas City, MO

1994–1996 David Yuh, M.D., Surgical Resident, University of Minnesota, Minneapolis, MN (Funding, American Heart Association, 1994-1996); Professor & Chief, Cardiothoracic Surgery, Yale University

1995–1997 Robert Poston, M.D., Surgical Resident, University of California, San Francisco (Funding, The Thoracic Surgery Foundation, 1996-1997); Professor and Chief, Cardiac Surgery, University of Arizona

1995–1997 Katsuhito Teranishi, M.D., Clinical Instructor, Nagoya University, Nagoya, Japan; Chief, Department, Cardiovascular Surgery, Chubu Rosai Hospital, Japan

1997–1998 Patrick Vriens, M.D., Ph.D., Surgical Resident, Leiden University Medical Center, Leiden, Netherlands
*Co-Promoter, Ph.D. Defense Committee, Thesis: Experimental approaches towards non-responsiveness in allo- and xenotransplantation, Leiden University, Leiden, Netherlands, 2000.

1997–1999 Atushi Yamaguchi, M.D., Clinical Instructor, Jichi Medical School, Omiya Medical Center, Saitama-Ken, Japan; Associate Professor, Department of Cardiothoracic Surgery, Saitama Medical Center, Jichi Medical University, Japan

1999–2000 Jurg Grunenfelder, M.D., Clinical Instructor, University Hospital, Zurich Switzerland; Professor of Cardiothoracic Surgery, University Hospital, Zurich, Switzerland

1998–2001 Doug Miniati, M.D., Surgical Resident, University of Maryland, Baltimore, M.D. (Funding, National Institutes of Health, NRSA 1999- 2000; International Society of Heart and Lung Transplantation, 2001); Assistant Professor of Surgery, University of California, San Francisco, CA

1998–2001 Mark Koransky, M.D., Surgical Resident, Stanford University; Private Practice, Palo Alto Medical Foundation, Fremont, CA

1998–2001 Murray Kown, M.D., Surgical Resident, Stanford University (Funding, American Society for Transplant Surgeons) (Western Thoracic Surgical Association Sampson Award, 2000); Assistant Professor of Surgery, University of California, Los Angeles, CA

2000–2001 Maarten Lijkwan, Visiting Researcher, University of Leiden, The Netherlands. Resident, University of Leiden, The Netherlands

2000–2001 Jasper Martens, Visiting Researcher, University of Leiden, The Netherlands

1999–2002 Seiichiro Murata, M.D., Clinical Instructor, Jichi Medical School, Omiya Medical Center, Saitama-Ken, Japan; Director, Cardiovascular Surgery, Itabashi Chuo Medical Center, Tokyo, Japan

2001–2002 Pekka Hammainen, M.D., Clinical Instructor, Helsinki University Central Hospital, Helsinki, Finland; Senior Consultant, Lung Transplant Program, Medical Director, Cardiothoracic Surgery, Helsinki University Hospital, Helsinki, Finland.

2001–2003 Leora Balsam, M.D., Surgical Resident, Stanford University
(Funding, The Thoracic Surgery Foundation, Nina Braunwald Award, 2002);
Assistant Professor, Cardiothoracic Surgery, New York University, New York, New York

2001–2004 Masashi Tanaka, M.D., Clinical Instructor, Jichi Medical School, Omiya Medical Center, Saitama-Ken, Japan

2002–2004 David Cooke, M.D. Surgical Resident, Massachusetts General Hospital, Boston, MA (Funding, American Society of Transplantation, National Institutes of Health, Minority Grant, 2003)

2002–2004 Theodore Kofidis, M.D., Cardiac Surgeon, Hannover Medical School, Hannover, Germany; Assistant Professor of Surgery, Director of Robotic Surgery, National University Hospital, Singapore

2003–2005 Monika Zwierzchoniewska, M.D., Resident, Pomeranian Medical School, Poland; Transplant Surgeon, Strong Memorial Hospital,Rochester, NY

2003–2004 Anthony Caffarelli, M.D., Surgical Resident, Stanford University (Funding, The Thoracic Surgery Foundation, 2003); Private Practice, Newport Beach, CA

2004–2005 Ingo Kutschka, M.D., Cardiac Surgeon, Klinikum Braunschweig, Germany; Senior Physician, Hannover Medical School, Department of Cardiothoracic Surgery, Hannover, Germany

2004–2006 Stephen Hendry, M.D., Surgical Resident, Tulane University, New Orleans, LA; General Surgery, Tulane University, New Orleans, LA

2004–2006 Kenichiro Noguchi, M.D., Resident, Jichi Medical School, Saitama, Japan

2004–2007 Ahmad Sheikh, M.D., Resident, Massachusetts General Hospital, Boston, MA

2006–2009 Sonja Schrepfer, M.D., Ph.D., Cardiac Surgery Fellow, Department of Cardiovascular Surgery, University Hospital Hamburg-Eppendorf, Germany; Professor, University Heart Center, Hamburg, Germany

2006–2008 William Stein, M.D., General Surgery Resident, George Washington University School of Medicine, Washington, D.C.; Resident, Cardio-Thoracic Surgery, Emory University, Atlanta, GA

2006–2008 Rutger-Jan Swijnenburg, M.D., Ph.D., General Surgery Resident, Leiden University, Leiden, Netherlands *Promoter, Ph.D. Defense Committee, Thesis: Characterization of embryonic stem cell transplantation immunobiology using molecular imaging, Leiden, University, Leiden, Netherlands, 2009.

2009 Koen van der Bogt, M.D., Ph.D.,General Surgery Resident, Leiden University, Leiden, Netherlands
*Promoter, Ph.D. Defense Committee, Thesis: Stem cell therapy for cardiovascular disease: Answering basic questions regarding cell behavior, Leiden University, Leiden, Netherlands, 2010.

2007–2009 Satoshi Itoh, M.D., Clinical Instructor, Jichi Medical School, Omiya Medical Center, Saitama-Ken, Japan

2007–2009 Jeff Velotta, M.D., General Surgery Resident, UCLA; Cardiothoracic Surgery Fellow, Brigham and Women's Hospital

2008–2009 Maarten Lijkwan, Visiting Researcher, University of Leiden, The Netherlands

2009–2010 Owen Palmer, General Surgery Resident, Stanford University

2009–2011 Naoyuki Kimura, M.D., Instructor, Department of Cardiovascular Surgery, Saitama Medical Center, Jichi Medical University, Saitama, Japan

2009–2012 Denis R. Merk, M.D., Post Doc, Cardiothoracic Surgery, Stanford University School of Medicine, Stanford, CA; Resident, Cardiothoracic Surgery, University of Leipzig, Leipzig, Germany

2011–2012 Homare Okamura, M.D., Post Doc, Cardiothoracic Surgery, Stanford University School of Medicine, Stanford, CA; Resident. Department of Cardiothoracic Surgery, Saitama Medical Center, Jichi Medial University Saitama Japan

2012–2012 Fabian Emrich, M.D. Post Doc, Cardiothoracic Surgery. Stanford University School of Medicine, Stanford, CA

Clinical Cardiothoracic Resident/Transplantation Fellows Trained

7/93–6/94
Christopher Heck, Private Practice, Robbinsdale, MN
Mario Pompili, Kaiser Permanente, Santa Clara, CA
Julian Smith, Chair, Department of Surgery, Monash University, Melbourne, Australia
Greg Ribacove (Tx), Professor, Department of Surgery, New York University, New York, NY

7/94–6/95
John Stevens, Founder, Heartport, Inc., Redwood City, CA
John Conte, Professor of Surgery, Johns Hopkins University, Baltimore, MD
Herman Reichenspurner (Tx), Professor and Chair, Cardiac Surgery, Hamberg, Germany
Patrick DiVallera (Tx), Mayo Clinic, Scottsdale, AR

7/95–6/96
James Fann, Professor, Department of Cardiothoracic Surgery, Stanford University
Kwok Yun, Kaiser Permanente, Los Angeles, CA

7/96–6/97
Robert Hagberg, Beth Israel, Boston, MA
Robert Hooker, Private Practice, Grand Rapids, MI
Michael Wilson (Tx), Associate Professor, Royal Prince Alfred Hospital, Sidney, Australia

7/97–6/98

Marc Moon, Associate Professor, Washington University, St. Louis, MO

Joe Schmoker, Associate Professor of Surgery, University of Vermont

Clifford Barlow (Tx), Consultant, Southampton, UK

7/98–6/99

Steve Nisco, Private Practice, Spokane, WA

Renzo Cecere (Tx), Assistant Professor, McGill University, Montreal, Canada

7/99–6/00

Abe DeAnda, Associate Professor, New York University School of Medicine, New York, NY

John Ikonomidis, Professor, Division of Cardiothoracic Surgery, Medical College of South Carolina, Charleston, SC

Francois Dagenais (Tx), Assistant Professor, Laval Hospital, Quebec University, Quebec City, Canada

7/00–6/01

Mahender Macha, Assistant Professor of Surgery, University of Michigan, Jackson, MI

David Yuh, Assistant Professor, Johns Hopkins University, Baltimore, MD

Marc Pelletier (Tx), Assistant Professor, University of Toronto, Toronto, Canada

7/01–6/02

Juan Umana, Assistant Professor, University of Bogata, Bogata, Columbia

Luca Vricella, Associate Professor, Johns Hopkins University, Baltimore, MD

Philipe Demers (Tx), Assistant Professor, Montreal Heart Institute, Montreal, Canada

7/02–6/03

Christopher Salerno, Assistant Professor, University of Washington, Seattle, WA

Michael Coady, Assistant Professor, Yale University, New Haven, CT

Peter Kouretas (Tx), Cardiothoracic Surgery, UH Rainbow Babies & Children's Hospital, Cleveland, OH

7/03–6/04

Susan Moffat-Bruce, Assistant Professor, Cardiothoracic Surgery,
Ohio State University, Columbus, OH

Kai Ihnken, Private Practice, West Virginia

Clinton Lloyd, Consultant, Derriford Hospital, Plympton, England

Eddy Chedrawy, Assistant Professor, Northwestern University, Evanston, IL

7/04–6/05

Scott Ross, Private Practice, Charleston, S. Carolina

Conrad Vial, Private Practice, Palo Alto, CA

Aziz Alkhaldi, (Tx), Cardiac Surgery, Kin Abdulaziz Medical City, Saudi Arabia

7/05–6/06
Michael Fischbein, Assistant Professor Department of Cardiothoracic Surgery, Stanford University
Richard Lee, Kaiser Northwest, Clackamas, OR
Michael Lavrsen (Tx), Consultant Cardiac Surgeon, Southampton, United Kingdom
Hari Mallidi (Tx), Clinical Instructor, Cardiothoracic Surgery, Stanford, CA; Associate Professor **Cardiothoracic Surgery,** Baylor College of Medicine

7/06–6/07
Murray Kown, Assistant Professor of Cardiothoracic Surgery, UCLA, Los Angeles, CA
James Yun, Assistant Professor, Dartmouth Medical School, Lebanon, NH
Chris Mallarsie (Tx), Assistant Professor, Northwestern University
Kapil Sharma (Tx), Private Practice, Sacramento, CA

7/07- 6/08
Leora Balsam, Assistant Professor, New York University, New York, NY
Michael Bates (Tx), Staff Surgeon, Oschner Clinic, New Orleans, LA
Tobias Deuse (Tx), Assistant Professor, University of Hannover, Germany

7/08-6/09
Fred Tibayan, Assistant Professor, Oregon Health Science Center, Portland, OR
William Yarborough, Assistant Professor, Medical College of South Carolina, Charleston, SC
Tomasz Timek, Assistant Professor, Michigan State University, Grand Rapids, MI
Daniel Tang (Tx), Assistant Professor, Virginia Commonwealth University

7/09-6/10
Anthony Caffarelli, Staff Surgeon, Hoag Memorial Hospital, Newport Beach, California
Jayan Nagendran (Tx), Assistant Professor, University of Alberta

7/10-6/11
David Joyce, Staff Surgeon, Minneapolis, MN
Bo Yang, Assistant Professor, University of Michigan
Richard Ha, Clinical Instructor (Tx), Stanford University School of Medicine, Stanford, CA
Steve Singh, Clinical Instructor (Tx), Stanford University School of Medicine, Stanford, CA

7/11 – 6/12
Michael Monge, Staff Surgeon, Chicago, IL
Ahmad Sheikh, Clinical Instructor (Tx), Stanford University School of Medicine, Stanford, CA

7/12 – 6/13
Katherine Harrington, Private Practice, Dallas, TX
Matthew Forrester, Private Practice, Spokane, WA

Peer-Reviewed Journal Articles

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of Cardiac Cell Transplantation: Part II. In Vivo Imaging of Bone Marrow Stromal Cells in Swine with PET/CT and MR Imaging. Radiology. 2016 Jun 22:151150. [Epub ahead of print].

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Non-Peer-Reviewed Journal Articles

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2. **Robbins RC**, Oyer PE, Stinson EB, Starnes VA: The use of monoclonal antibodies after heart transplantation. Transpl Sci 1992; 2(Suppl):22-27.

3. Yuh DD, **Robbins RC**, Reitz BA. Heart-lung transplantation: An update. Asian Cardiovascular and Thoracic Annals 1996; 4:4-13.

4. Berry GJ, Poirier CD, **Robbins RC**, Theodore J. Chronic pulmonary allograft rejection following successful bilateral lung transplantation. Pathology Case Reviews March/April 1998; 3:80-5.

5. Miller DC, **Robbins RC**: 1998 AATS Scientific Achievement Award recipient-Norman E. Shumway, MD, PHD, American Association for Thoracic Surgery. Invited Article. J. Thorac Cardiovasc Surg, 1999, 118(5):783-6.

6. Miniati DN, Hunt SA, **Robbins RC**: Treatment Options for Patients with Severe Myocardial Failure: A Review of the Latest Technology. ACC Current Journal Review 1999;8(4):44-48.

7. Berry GJ, Theodore J, **Robbins RC** and Atkins K: A Spectrum of Airway Complications Following Thoracic Transplantation. Transplantes 1999; 5(3):4-1

8. **Robbins RC**: Profiles in Cardiology: Norman E. Shumway. Clinical Cardiology, 2000, 23: 462-66.

9. Miniati DN, **Robbins RC**: Mechanical support for acutely failed heart or lung grafts. J Card Surg 2000;15(2):129-135.

10. Miniati DN, **Robbins RC**: Techniques in orthotopic cardiac transplantation: a review. Cardiology in Review, 2001, 9:131-6.

11. Miniati DN, **Robbins RC**: Oxidative stress and Graft Coronary Artery Disease: Early Factors Contributing to Late Outcomes. Transplantation Reviews;12(2)102-08.

12. **Robbins RC**: Ethical implications of heart transplantation in elderly patients. J Thorac Cardiovasc Surg 2001, 121:434-5.

13. Miniati DN and **Robbins RC**: Heart transplantation: A Thirty year perspective. Annual Review of Medicine 2002;53:189-205.

14. Koransky ML, **Robbins RC** and Blau HM: VEGF Gene Delivery for Treatment of Ischemic Cardiovascular Disease. Trends in Cardiovascular Medicine. Trends in CV Medicine.2002; 12(3):108-114.

15. Balsam LB, Miniati DN, and **Robbins RC**: Antisense oligonucleotides:design, construction, and applications to cardiac allograft transfer. Methods Mol Biol 2003;219:129-33.

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17. Kofidis T, Balsam LB, **Robbins RC**: A few critical aspects—Achilles heels—of tissue engineering approaches to restore injured myocardium. Letter to the Editor. J. Thoracic and CV Surg. 2003; 12(6):2113-4.

18. Koransky ML, Tavana ML, Yamaguchi A, Kown MH, Miniati DN, Nowlin W, and **Robbins RC**: Quantification of mechanical stabilization for the performance of off-pump coronary artery surgery. Heart Surgery Forum 2003. 6(4):224-31.

19. Balsam LB, **Robbins RC**. Haematopoietic stem cells and repair of the ischaemic heart. Clin Sci (Lond). 2005 Dec;109(6):483-92.

20. Baldwin JT, **Robbins RC**; National Heart, Lung, and Blood Institute Working Group. Executive summary for the National Heart, Lung, and Blood Institute Working Group on next generation ventricular assist devices for destination therapy. Semin Thorac Cardiovasc Surg. 2005 Winter;17(4):369-71.

21. Al-khaldi A, **Robbins RC**. New directions in cardiac transplantation. Annu Rev Med. 2006;57:455-71. Review.

22. Swijnenburg RJ, Sheikh AY, **Robbins RC**. Comment on “Transplantation of undifferentiated murine embryonic stem cells in the heart: teratoma formation and immune response”. FASEB J. 2007 May;21(7):1290.

23. Change you can count on. **Robbins RC**. J Thorac Cardiovasc Surg. 2013 Feb;145(2):321-5.

Book Chapters

1. Spotnitz HM, Clark MB, Wong CYH, **Robbins RC**, Antunes ML: Echocardiography in cardiac interventions. In: Intraoperative Echocardiography in Valvular Heart Disease. I. Cikes, ed., Kluwer Academic Publishers, The Netherlands, 1989; 313-330.

2. **Robbins RC**: Postoperative management of atrial septal and ventricular septal defects. Johns Hopkins Postoperative Manual. In: Critical Care Heart Disease in Infants and Children, D.E. Nichols, D. Cameron, eds., Mosby Inc. Publishers, Philadelphia, 1995; 581-600.

3. Valentine VG, **Robbins RC**, Theodore J: Clinical diagnosis in heart and heart-lung allograft rejection. In: Solid Organ Transplant Rejection, 3rd edition, 1996; 327-366.

4. Yuh DD, **Robbins RC**, Reitz BA: Transplantation of the heart and lungs. In: Cardiac Surgery in the Adult, Edmunds, eds, 1996; 1451-1475.

5. **Robbins RC**, Yuh DD, Reitz BA: The heart/i. congenital diseases of the heart. In: Fundamentals of Surgery, Niederhuber, Appleton & Lange, eds, 1996.

6. Moon MR, Barlow CW and **Robbins RC**. Early Postoperative Care of Lung and Heart-Lung Transplant Recipients. In: Heart and Lung Transplantation,, eds, 1999.

7. **Robbins RC**: Additional strategies for immunosuppression of heart-lung and lung transplant recipients. In: Heart and Lung Transplantation, Reitz BA, Baumgartner WA, eds, 1999.

8. Kown MH, **Robbins RC**. Controversies surrounding the current status of heart-lung transplantation. Seminars in Respiratory and Critical Care Medicine, 1999.

9. Miniati DN, Hunt SA, **Robbins RC**: Treatment options for patients with severe myocardial failure: a review of the latest technology. ACC Current Journal Review, 1999.

10. Miniati DN, **Robbins RC**, Reitz BA: Heart and heart-lung transplantation. In: Braunwald E., ed. Heart Disease: A Textbook of Cardiovascular Medicine, 6th Edition. Philadelphia: W.B. Saunders Company.

11. Balsam LB, Miniati DN,**Robbins RC**: Antisense Oligonucleotides: Design, Construction, and Applications to Cardiac Allograft Transfer. Methods in Molecular Biology. Humana Press, 2002.

12. Balsam LB, **Robbins RC**: Heart Transplantation. In: Sabiston & Spencer's Surgery of the Chest: Chapter 92. Elsevier Science, 2003. In Press.

13. Miniati DN and **Robbins RC**: Heart and Lung Transplantation. In: Yang and Cameron, ed. Current Therapy in Thoracic and Cardiovascular Surgery. Elsevier Science, 2003.

14. Moffatt-Bruce S, **Robbins RC**, Berry GJ, Hunt SA, Schroeder J: In Hurst's The Heart. Cardiac Transplantation, Mechanical Ventricular Support and Endomyocardial Biopsy. McGraw-Hill, 2003.

15. Kouretas PC, Moffatt-Bruce S, **Robbins RC**: Long Term Mechanical Circulatory Support and Cardiac Transplantation. In: Heart Failure: Comprehensive Guide to Diagnosis and Management. G. William Dec, ed. Marcel Dekker, Inc., 2003.

16. Schroeder, JS, Moffat SD, Berry GJ, and **Robbins RC**: Surgical Treatment of Heart Failure, Cardiac Transplantation, and Mechanical Ventricular Support. In Hurst's The Heart, McGraw-Hill, 2004.

17. Kofidis T, **Robbins RC**: In: Nanoscale Technology in Biological Systems, Chapter 16: Nanobiology in Cardiology and Cardiac Surgery, CRC Press, 2005.

18. Balsam LB, **Robbins RC**: In: Sabiston & Spencer Surgery of the Chest, Vol. II, 7th Ed., Chapter 94: Heart Transplantation, Elsevier Sanders, 2005.

19. Hunt SA, Kouretas PC, Balsam LB, and **Robbins RC**: Chapter 26: Heart Transplantation In: Zipes, Libby, Bonow and Braunwald eds. Braunwald's Heart Disease, 7th ed., Philadelphia, Elsevier Sanders, 2005: 641- 651.

20. Al-khaldi Abdulaziz, and Robbins, RC: New Directions in Cardiac Transplantation. In: Caskey, CT, ed. Annual Review of Medicine. Portland, Annual Review, 2006: 455- 461.

21. Sheikh AY, Yang PC, Wu, J C, and **Robbins RC**: Chapter 11. Embryonic stem cells in myocardial regeneration. In: Leri, A, Anversa P, and. Frishman WH, eds. Cardiovascular and Regeneration and Stem Cell Therapy, Part III. Oxford: Blackwell Publishing, 2007:105-116.

22. Stein W, Velotta JB, Mallidi HR, Fischbein MP, and **Robbins RC**: Chapter 21. Heart Transplantation. In: Complications in Cardiothoracic Surgery: Avoidance and Treatment, 2nd Ed. Little AG and Merrill WH, eds. Wiley-Blackwell Publishing, 2009.

23. Velotta J, and **Robbins RC**: Cardiac Transplantation. In: Selke F, del Nido P, and Swanson S, eds. Sabiston and Spencer's Surgery of the Chest, 8th Ed., Philadelphia, Elsevier, 2010.

24. Yarbrough W, **Robbins RC**, and Mallidi HR: Heart-Lung Transplantation. In: Vigneswaran W, and Garrity E, eds. Lung Transplantation. New York: Informa Healthcare.

25. Sheikh AY, Joyce DL, Mallidi HR, and **Robbins RC**: Lung Transplantation and Heart-Lung Transplantation. In: Cohn LH, ed. Cardiac Surgery in the Adult, 4th Ed., New York, McGraw-Hill.

Invited Presentations

1. Management of Vascular Rings. Grand Rounds, Department of Surgery, Stanford University School of Medicine, Stanford, CA, October 23, 1993.
2. Management of Transposition of the Great Arteries. Medical Staff Conference, John Muir Hospital Walnut Creek, CA, March 8, 1994.
3. The Arterial Switch Procedure for Transposition of the Great Arteries. General Surgery Grand Rounds, Stanford, CA, June 18, 1994.
4. The Future Directions of Cardiac Surgery. Stanford Alumni Association, Anchorage, Alaska, July 13, 1994.
5. Management of Hypoplastic Left Heart Syndrome. 2nd Annual Pediatric CME Meeting, Stanford, CA, July 17, 1994.
6. Cardiac Transplantation for Senger's Syndrome. Salinas Grand Rounds, Salinas Valley Memorial Hospital, Salinas, CA, July 26, 1994.
7. Pediatric Thoracic Transplantation. Travis Grand Rounds, Travis Air Force Base, CA, October 14, 1994.
8. Primary vs. Staged Repair of Tetralogy of Fallot. Pediatric Grand Rounds, Salinas Valley Memorial Hospital, Salinas, CA, May 19, 1995.
9. Recent Advances in Neonatal Cardiac Surgery and the Future of Fetal Cardiac Surgery. 3rd Annual Pediatric CME Meeting, Stanford, CA, July 21,1995.
10. Advances in Aortic Root Replacement. Stanford-Asia Cardiovascular Symposium, Kuala Lumpur, Malaysia, October 14, 1995.
11. Recent Modifications in the Fontan Procedure. Stanford-Asia Cardiovascular Symposium, Kuala Lumpur, Malaysia, October 14, 1995
12. Advances in Congenital Heart Disease Surgery. Stanford Asia Cardiovascular Symposium, Manila, Philippines, October 19, 1996
13. Update on Lung & Heart-Lung Transplantation. CME Meeting, Stanford, CA, February 27, 1997.
14. NOVACOR Ventricular Assist Device. Society of Cardiovascular Anesthesiologists Meeting, Breckenridge, Colorado, March 6, 1997.
15. Heart, Lung, Heart-Lung Transplantation--State of the Art. Society of Cardiovascular Anesthesiologists Meeting, Breckenridge, Colorado, March 6, 1997.
16. Heart Transplantation and Beyond. 7th Annual Cardiology Symposium, Sacramento, CA, March 22, 1997.
17. Heart-Lung Transplantation. Columbia Bay Area Healthcare Network, San Jose, CA, April 16, 1997.
18. Recent advances in cardiac surgery. Surgery Grand Rounds, Baylor College of Medicine, Houston, TX, August 2, 1997.

19. Minimally invasive coronary artery bypass grafting. The Fourth Annual Stanford Asia Cardiovascular Symposium. Phuket, Thailand, October 25, 1997.

20. Advances in Congenital Heart Disease Surgery. The Fourth Annual Stanford Asia Cardiovascular Symposium. Phuket, Thailand, October 25, 1997.

21. Current results of Thoracic Transplantation.
ValleyCare Medical Center, Pleasanton, CA, January 9, 1998.

22. Minimally invasive techniques in cardiothoracic surgery. Stanford/Bear, Stearns Cardiovascular Technology Seminar, Menlo Park, CA, February 5, 1998.

23. Moderator, Medical Device Network: Minimally Invasive Coronary Surgery Symposium, Stanford University , March 7,1998.

24. Recent advances in heart-lung and lung transplantation. Hong Kong Society of Transplantation, Hong Kong, China, April 26, 1998.

25. Obliterative bronchiolitis following heart-lung and lung transplantation. Hong Kong Society of Transplantation, Hong Kong, China, April 26, 1998.

26. Moderator, Neurologic injury during cardiac surgery symposium, Boston, MA, May 2, 1998.

27. A novel concept for managing aortic emboli: new surgical strategies in the animal model. Neurologic injury during cardiac surgery symposium, Boston, MA, May 2, 1998.

28. Minimally invasive bypass surgery: beating heart approach. Tenth Annual Complex Interventional Vascular Symposium, San Francisco, CA, May 8,1998.

29. Panelist, Vision 2010 Cardiovascular Service Meeting, Burlingame , CA, May 14, 1998.

30. Cardiac transplantation: surgical considerations and new surgical options in congestive heart failure. UCSF update in cardiology: a board review course. San Francisco,
CA, September 16, 1998.

31. Mechanical support of the heart. Stanford Critical Care Medicine Conference. Stanford, CA, December 10, 1998.

32. Innovative ideas- from concept to market. NewEra Cardiac Care: Innovation and Technology. Scottsdale, AZ, January 8, 1999.

33. Recent advances in cardiac surgery. Tulane Surgical Grand Rounds.
New Orleans, LA, March, 6, 1999.

34. Management of Aortic Dissections. Washington University, Barnes-Jewish Hospital, Cardiac Surgical Conference, St. Louis MO, October 18, 1999.

35. Endovascular Stent Grafts for Thoracic Aortic Aneurysms and Aortic Dissections NewEra Cardiac Care2000, San Diego, CA January 13 - 16, 2000.

36. Taking Ideas to Market, NewEra Cardiac Care2000, San Diego, CA January 13 - 16, 2000.

37. Treatment Strategies for Thoracic Aortic Aneurysms and Aortic Dissections. Cardiothoracic Surgery Resident Conference. Toronto General Hospital. May 3, 2000.

38. Surgical Options for the Treatment of Congestive Heart Failure. Cardiothoracic/Cardiology Conference. Toronto General Hospital. May 4, 2000.

39. The Totally Implantable Novacor Left Ventricular Assist System. Fifth International Conference on Circulatory Support Devices for Severe Heart Failure. New York, NY, September 16, 2000.

40. Endovascular Stent Grafts for Thoracic Aortic Disease. Cardiac Surgery Symposium, Memorial Hospital, South Bend, IN. October 7, 2000.

41. The Future of Cardiac Transplantation is Xenotransplantation and … 23rd Annual San Diego Cardiothoracic Surgery Symposium, San Diego, CA. February 16, 2001.

42. Surgical Treatment of Congestive Heart Failure. Annual Kaiser Cardiovascular Service Symposium, San Francisco, CA, September 15, 2001.

43. New Technologies and Devices for Coronary Bypass Graft Surgery. Cardiovascular Rounds, Salinas Valley Memorial Hospital, December 14, 2001.

44. Technologies Threatening Perfusion and How to Prepare for Them. Fifth Annual NewEra Cardiac Care: Innovation and Technology, Dana Point, CA, January 4, 2002.

45. Brain-Athero Filters During Perfusion. Fifth Annual NewEra Cardiac Care: Innovation and Technology, Dana Point, CA, January 4, 2002.

46. Descending Aortic Dissections: Stent vs. Operate. . Fifth Annual NewEra Cardiac Care: Innovation and Technology, Dana Point, CA, January 4, 2002.

47. Left Ventricular Remodeling for Congestive Heart Failure. Cardiovascular Surgery Grand Rounds, Texas Heart Institute, Houston, TX, January 25, 2002.

48. Stuck on cardiopulmonary bypass? Causes and options. American Society of Transplant Surgeons, 2nd Annual Winter Symposium, Miami Beach, FL, January 26, 2002.

49. Building a Successful Basic Science Research Career: The Impact of Molecular Biology and Genomics. 80th Annual Meeting of the American Association for Thoracic Surgery, Washington, D.C., May 4, 2002.

50. Use of the Novacor Left Ventricular Assist System for Destination Therapy. 88th Annual Clinical Congress, American College of Surgeons, San Francisco, CA. October 9, 2002.

51. Newer Surgical Approaches to Revascularization. ACC/UCSF Cardiology Update, Carmel Valley Ranch, Carmel, CA. October 10, 2002.

52. Surgical Management of Congestive Heart Failure. Arrhythmia/Heart Failure Update, Stanford School of Medicine, November 9, 2002.

53. How and When to Manage Pediatric Patients with Left Ventricular Assistance. 75th Annual Meeting, American Heart Association, Chicago, IL. November, 19, 2002.

54. Tissue Engineering: The Future of Growing Heart Parts. 23rd Annual San Diego Cardiothoracic Surgery Symposium, San Diego, CA, February 28, 2003.

55. Surgical Treatment of Congestive Heart Failure. Medical Grand Rounds, Washoe Medical Center, Reno, NV, May 27, 2003.

56. The Future of Cardiac Surgery. Hospital and Healthcare Environments of the Future, Working Session on the Future of Cardiovascular Services, Health Technology Center, May 29, 2003.

57. Surgical Options for Congestive Heart Failure. Stanford University, Teleconference, Philippines/ Hong Kong, July 24, 2003.

58. Surgical Treatment of Heart Failure. Stanford University Clinical Update: Innovations in Care, San Ramon, CA, September 20, 2003.

59. Surgical Options in Perspective for the Heart Failure Patient. 7th Annual Scientific Meeting of the Heart Failure Society of America. Las Vegas, NV, September 23, 2003.

60. Myocardial Gene Expression Associated with Circulatory Support Devices. 89th Annual Meeting of the American College of Surgeons, Surgical Forum General Session "The Importance of Genomics and Proteomics in Surgical Research, Chicago, IL, October 21, 2003.

61. Current Status of Cardiac Transplantation. 7th Annual NewEra Cardiac Care: Innovation and Technology Meeting. January 10, 2004.

62. Mechanical Devices for End-Stage Heart Disease- Do They Still Hold the Promise? STS/AATS Tech-Con 2004, 40th Annual Meeting of The Society of Thoracic Surgeons, January 24, 2004.

63. Current Surgical Therapies for Heart Failure, San Francisco Surgical Society, San Francisco, CA March 17, 2004.

64. Diagnosis of Heart Failure and Surgical Options: Transplantation, CREF 24th Annual Meeting, Cardiothoracic Surgery Symposium, San Diego, CA March 31, 2004.

65. Current Surgical Therapies for Heart Failure, Bay Area Society of Thoracic Surgeons Meeting, San Francisco, CA April 14, 2004.

66. Developing the Academic Surgeon, American Association of Thoracic Surgeons 84th Annual Meetings, Toronto Ontario, Canada, April 24, 2004.

67. Surgical Options for Congestive Heart Failure, Grand Rounds, Department of Surgery, Mercer University, Macon GA, June 11, 2004.

68. Surgical Options for Congestive Heart Failure, James D. Hardy Society Lectureship and Surgical Forum, Jackson MI, June 12, 2004.

69. Emerging Strategies in the Surgical Treatment of Heart Failure, Cardiovascular Consultants of the East Bay, Walnut Creek, CA , July 20, 2004.

70. Stem Cell Myocardial Restoration, Halstead Society Annual Meeting, Department of Surgery, Stanford University School of Medicine, Stanford, CA September 9, 2004.

71. Women and Cardiovascular Disease, Community Lecture Series, Stanford Health Library, Stanford University, Stanford, CA September 23, 2004.

72. Overview of Stanford Cardiovascular Institute. Venture into the Future: Trends, Research, and Innovation in Medicine. Stanford University School of Medicine, Media Seminar, Stanford University, September 27, 2004.

73. Thoracic Aortic Stents? Will Catheters Replace Surgeons" CREF 25th Annual Cardiothoracic Surgery Symposium, San Diego, CA February 11, 2005.

74. Roadmap for the Cardiovascular Institute. Stanford Medical Alumni Association Spring Symposium. New Frontiers in Medicine: How the Four Institutes Will Change Our Profession. Stanford University, Stanford CA May 7, 2005

75. Heart Failure and Stem Cell Therapy in Cardiac Disease. Grand Rounds, University of California School of Medicine, Los Angeles, CA, May 11, 2005.

76. **Robbins RC**: Myoblasts for Chronic Infarction. Medtronic Cardiac Surgery Resident's Program. Minneapolis MN, May 12, 2005.

77. Congestive Heart Failure. Palo Alto Medical Foundation First Annual Cardiology Symposium. Seascape, CA. May 21, 2005.

78. Directions for the Stanford Cardiovascular Institute, Palo Alto Chamber of Commerce, Palo Alto, CA June 3, 2005.

79. New Technologies for Treatment Heart Failure. The Cardiovascular System in Health and Disease: Fundamental Concepts for the Medical Device Industry. Stanford Center for Professional Development, Stanford University, June 17, 2005.

80. Medical Research and Clinical Care at Stanford University Medical School. Stanford University, Office of General Counsel, Stanford, September 23, 2005.

81. Cell Transplantation in the Heart: Clinical Applications. Featured Research Presentation, American Heart Association Scientific Sessions, Dallas, TX, November 15, 2005.

82. Assisting the Heart: LVADS, Cardiac Tissue Engineering. Stanford University School of Medicine, Cardiovascular Bioengineering Symposium, Stanford, CA, March 6, 2006.

83. Role of Vascularization in Heart Failure. Complex Cardiovascular Patient management, Stanford University School of Medicine, Hospital and Clinics, Kona, Island of Hawaii, May 22 – 24, 2006.

84. Left Ventricular Assist Devices: When Are They The Appropriate Choice? . Complex Cardiovascular Patient management, Stanford University School of Medicine, Hospital and Clinics, Kona, Island of Hawaii, May 22 – 24, 2006.

85. Surgical Approach to Ventricular Remodeling. Complex Cardiovascular Patient management, Stanford University School of Medicine, Hospital and Clinics, Kona, Island of Hawaii, May 22 – 24, 2006.

86. Cellular Transplantation for Heart Failure. Complex Cardiovascular Patient management, Stanford University School of Medicine, Hospital and Clinics, Kona, Island of Hawaii, May 22 – 24, 2006.

87. Surgical Treatment of Congestive Heart Failure", Stanford Hospital Educational Lecture, Las Vegas NV, July 14, 2006.

88. Translating Cardiovascular Discoveries. Peter Bing Lecture Series, Century Plaza Hotel, Los Angeles, CA, October 25, 2006.

89. Valve Disease: When to Refer for Valve Surgery. Cardiology for the Internist: Clinical Update, Stanford Hospital and Clinics, Four Seasons Hotel, E. Palo Alto, CA October 28, 2006.

90. The Potential for Clinical Use of Stem Cells for Heat Failure. Cardiothoracic Surgery Grand Rounds, Columbia University, NY, November 8, 2006.

91. New Treatments in Cardiovascular Disease, Stanford University School of Medicine Alumni Association Meeting, Hilton Hotel, New York, NY, November 10, 2006.

92. The Future of Stem Cells for Myocardial Repair. Stanford University, Mini Med Community Lecture Series, Stanford University Faculty Club, Stanford, CA,

93. How to Obtain Funding and Writing Grants. 10th Annual NewEra Cardiac Care Innovation & Technology. Hyatt Regency Resort & Spa, Huntington Beach, CA, January 5, 2007

94. Cell Therapy for CHF. 10th Annual NewEra Cardiac Care Innovation & Technology, Hyatt Regency Resort & Spa, Huntington Beach, CA, January 6, 2007.

95. Life Science Symposium: Challenges of Cardiovascular Disease, Heart Disease in America: Public Enemy Number One. Adult Cardiovascular Diseases, Congestive Heart Failure, and Valvular Heart Disease. Stanford University School of Education, Cubberley Auditorium, Stanford, CA, March 10, 2007.

96. Advances in Cardiac Surgery. Guangzhou Provincial People's Hospital, Cardiac Conference, Guangzhou, China, April 6, 2007.

97. The Future of the Society. Presidential Address, International Society of Heart and Lung Transplantation, 27th Annual Meeting, Hilton Hotel, San Francisco, CA, April 28, 2007.

98. Recent Advances in Heart Surgery, Stanford Summer Science Lecture Series, Cantor Arts Center, Stanford, CA, July 12, 2007.

99. Advances in Stem Cell Biology: Translation Implications for Surgeons. America College of Surgeons, 93rd Annual meeting, October 8, 2007, New Orleans, LA.

100. The Global Dynamic of Power. 2007 Honors Study Topic Lecture Series: Gold, Gods and Glory. October 9, 2007. Jones County Junior College, Ellisville, MS.

101. Major Gifts and the American Heart Association. AHA Executive Leadership Conference, Western States Affiliate. Fairmont Hotel, San Jose, CA. August 21, 2008.

102. Change you can count on. Western Thoracic Surgical Association Presidential Address. Maui, HI. June 28, 2012.

103. The role of the Texas Medical Center in the economy of Houston. Federal Reserve Leadership Conference. Houston, TX. February 1, 2013.

104. The future of collaboration in the Texas Medical Center. The Tejas Breakfast Club, River Oaks Country Club, Houston, TX. February 7, 2013.

105. Building collaboration in the Texas Medical Center. American Institute of Architects Architecture for Health Annual Event, Houston, TX. February 28, 2013.

106. The Vision for the Texas Medical Center. Houston Global Health Collaborative, Houston, TX. March 22, 2013.

107. Promotion of Life Science innovation, translational research and commercialization in the Texas Medical Center, BioHouston Breakfast Forum. March 28, 2013.

108. Multi institutional genomic research in the Texas Medical Center. Human Genome Organization International Event, Singapore. Apr 13, 2013.

109. Innovation and changes in healthcare: a bright future for pharmacists. University of Houston School of Pharmacy 63rd Commencement address, Houston, TX. May 10, 2013.

110. Building on the 70 year history of the Texas Medical Center. Bayou Breakfast Club, River Oaks Country Club, Houston, TX. July 9, 2013.

111. Obamacare: A Checkup. Panelist, Forbes Healthcare Summit 2013, New York, New York. October 10, 2013.

112. The leadership role of the Texas Medical Center in the changing landscape of healthcare. International Conference on Healthcare Leadership, Educational Foundation, Southeast Texas Chapter, Houston, TX. October 23, 2013.

113. The changing face of hospitals and healthcare. Panelist, U.S. News and World Report Hospital of Tomorrow Leadership Forum, Washington, Hilton, Washington, D.C. November 4, 2013.

114. The Future of Academic Medical Centers. Panelist, U.S. News and World Report Hospital of Tomorrow Leadership Forum, Washington, Hilton, Washington, D.C. November 5, 2013.

115. Multi institutional collaboration in the world's largest medical center. Keynote speaker, Messe Dusseldorf Healthcare conference, Dusseldorf, Germany. November 20, 2013.

116. The impact of healthcare reform on the Texas Medical Center. Greater Houston Partnership: Economic Outlook Event, Houston, TX. December 3, 2013.

117. The rich environment of collaboration in Houston and the Texas Medical Center. Pumps and Pipes annual symposium, Houston, TX. December 9, 2013.

118. Live Longer, Stay Stronger, Panelist, Saudi Arabia General Investment Authority Global Competitiveness Forum Annual Summit, Riyadh, Saudi Arabia. January 20, 2014.

119. Leaders in Healthcare, Panelist, Arab Health Congress, Dubai, UAE. January 30, 2014.

120. The Outlook for Life Science Innovation in Houston and the Texas Medical Center. BioHouston Annual Conference: Texas Life Science Forum, Houston, TX. February 20, 2014.

References

Doug Ducey, Governor of the State of Arizona

William Baumgartner, M.D., Vice Dean of Clinical Affairs, Johns Hopkins School of Medicine, Executive Director, American Board of Thoracic Surgery

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