

## **CURRICULUM VITAE**

**Michael Peter Fischbein, M.D., Ph.D.**

Email: mfischbe@stanford.edu

### **EDUCATION**

- 1995 M.D. Cum Laude  
Boston University School of Medicine
- 2001 Ph.D. Microbiology and Immunology  
University of California, Los Angeles
- 1990 B.S. Kinesiology  
University of California, Los Angeles

### **DOCTORAL**

### **DISSERTATION**

:

Mechanisms of Chronic Rejection in Heart Transplants: The Role of T lymphocyte Subsets (2001)

### **POST-GRADUATE TRAINING**

- 7/03- 6/06 Resident, Cardiothoracic Surgery,  
Stanford University
- 7/02 – 6/03 Chief Resident; Department of Surgery,  
University of California, Los Angeles
- 7/00 – 7/02 Senior Resident; Department of Surgery,  
University of California, Los Angeles

7/97 – 7/00            Research Resident; Department of Surgery,  
University of California, Los Angeles

7/96 – 7/97            Junior Resident; Department of Surgery,  
University of California, Los Angeles

7/95 – 7/96            Intern; Department of Surgery,  
University of California, Los Angeles

### **ACADEMIC APPOINTMENTS**

7/06 – 9/07            Clinical Instructor  
Department of Cardiothoracic Surgery  
Stanford University School of Medicine

9/07- 3/08            Acting Assistant Professor of Cardiothoracic Surgery  
Stanford University School of Medicine

3/08 – 3/16            Assistant Professor of Cardiothoracic Surgery  
Stanford University School of Medicine

2008 –2011            Associate Residency Program Director  
Stanford Department of Cardiothoracic Surgery

2011-current           Residency Program Director  
Stanford Department of Cardiothoracic Surgery

3/16-current           Associate Professor of Cardiothoracic Surgery  
Stanford University School of Medicine

4/16-current           Director of Aortic Surgery  
Stanford Department of Cardiothoracic Surgery

### **HONORS AND AWARDS**

2003                    Golden Scalpel Award for Teaching Excellence  
Division of General Surgery  
UCLA School of Medicine

2003                    Ronald K. Tompkins Golden Apple Teaching Award  
UCLA School of Medicine

2003                    Donald Morton Research Award

Department of Surgery  
UCLA School of Medicine

- 2002            Administrative Chief Resident  
                 Department of Surgery  
                 University of California, Los Angeles
- 2001            AVENTIS Scholarship Recipient
- 2000            Caves Scientific Award  
                 International Society for Heart and Lung Transplantation  
                 Osaka, Japan
- 1999            American Society of Transplant Physicians Scientific Poster of  
                 Distinction Award
- 1997            UCLA STAR (Specialty Training and Advanced Research)  
                 Program Research Fellowship
- 1995            Cum Laude Graduate  
                 Boston University School of Medicine
- 1994            Alpha Omega Alpha  
                 Boston University School of Medicine

**PROFESSIONAL MEMBERSHIP**

- 2007            American Heart Association
- 2007            International Society of Heart and Lung Transplantation
- 2007            Longmire Surgical Society
- 2008            Society of Thoracic Surgeons
- 2010            San Francisco Surgical Society
- 2010            Western Thoracic Surgical Society
- 2010            Association for Academic Surgery
- 2012            American College of Surgeons
- 2012            Society of University Surgeons

2018

American Association for Thoracic Surgery

**COMMITTEES and LEADERSHIP POSITIONS**

Medical School Faculty Senate  
Stanford University School of Medicine  
(2008-2015)

Cardiovascular Institute Education Committee  
Stanford University School of Medicine  
(2009-current)

AATS Website Committee  
AATS  
(2009-2013)

American Heart Association  
CVSA Young Leadership Committee  
(2009-2012)

Joint Council on Thoracic Surgery Education Committee-Integrated Program  
(2009-2017)

Society of Thoracic Surgeons: Workforce on Thoracic Surgery Resident Issues  
(2011-current)

Western Thoracic Surgical Society: Program Committee  
(2012-5)

Society of Thoracic Surgeons: Workforce on Annual Meeting (Program Task Force)  
(2011-2015)

Society of Thoracic Surgeons: Workforce on Research Development  
(2011-current)

American Heart Association  
CVSA Leadership Committee  
(2012-present)

Western Thoracic Surgical Society: Program Chair 2014 Meeting

Morbidity and Mortality Quality Chair  
Stanford Department of Cardiothoracic Surgery

(2014-current)

American Heart Association: Committee on Scientific Sessions Program (Vice Chair)  
(2015-2016)

International Society for Minimally Invasive Cardiothoracic Surgery: Program Committee  
(2015-current)

American Heart Association: Committee on Scientific Sessions Program (Chair)  
(2016-current)

American Heart Association  
CVSA Vice Chair  
(2017-current)

### **GUEST REVIEWER**

Annals of Thoracic Surgery (2006 to present)  
Arteriosclerosis, Thrombosis, and Vascular Biology (2014 to present)  
Circulation (2011 to present)  
Circulation Research (2011 to present)  
Journal Thoracic and Cardiovascular Surgery (2006 to present)  
Surgery (2006 to present)

### **SPONSORED RESEARCH**

#### **AATS Norman E. Shumway Research Scholarship**

\$160,000  
7/08-6/10

#### **National Marfan Society**

Title: NF- $\kappa$ B dependent miR-29b Over-expression Participates in Early Aneurysm  
Development in Marfan Syndrome  
\$50,000  
1/2012-1/2013

#### **American Heart Association**

Grant-in-Aid  
Title: Novel Therapeutic Targets in Marfan Syndrome  
AHA Award Number: 13GRNT17130017  
\$140,000  
7/2013-7/2015

#### **The Marfan Foundation**

Title: Role of miR-29b during Aneurysm Development in Aortic Segments of Different Embryologic Origin in Marfan syndrome  
\$75,000  
1/2014-1/2016

**NIH R01 NHLBI**

1R01AR066629-01A1

Title: Marfan Aortic Embryologic Origin Influences miR-29b Regulators and Targets  
Role: PI  
\$1,500,000  
4/2016-3/2021

**LICENSURE AND CERTIFICATION**

1997	California State Medical Licensure
2004	American Board of Surgery
2007	American Board of Thoracic Surgery (#7296)

**INVITED LECTURES**

1. "Immunology of Accelerated Graft Atherosclerosis" UCLA Division of Cardiothoracic Surgery Grand Rounds, Los Angeles, CA September 1997
2. "Experimental Cardiac Allograft Vasculopathy in Mice" UCLA Division of Cardiothoracic Surgery Grand Rounds, Los Angeles, CA, June 1998
3. "The Role of CD4+ Lymphocytes in CAV" UCLA Division of Cardiothoracic Surgery Grand Rounds, Los Angeles, CA, April 1999
4. "Temporal Pattern of T Lymphocyte and Macrophage Infiltration in a Nonimmunosuppressed Model of CAV" International Society for Heart and Lung Transplantation, San Francisco, CA, April 1999
5. "Chronic Rejection in Heart Transplantation Requires CD40L-CD40 Engagement" American College of Surgeons, San Francisco, CA, October 1999
6. "Immune Mechanisms in Chronic Rejection of Transplanted Hearts" American College of Surgeons-Los Angeles Chapter, Huntington Beach, CA, January 2000

7. "CD4+ Helper Function is Delivered via the Secretion of IFN- $\gamma$ " International Society for Heart and Lung Transplantation, Osaka, Japan, April 2000
8. "Signaling Through CD40 Can Replace the Requirements of CD4+ Lymphocytes in Cardiac Allograft Vasculopathy" International Society for Heart and Lung Transplantation, Osaka, Japan, April 2000
9. "Immune Mechanisms in Chronic Rejection of Heart Transplantation" UCLA Department of Surgery Grand Rounds, Los Angeles, CA, April 2000
10. "IL-10 Transgene Prevents Cardiac Allograft Vasculopathy" American Society of Transplantation, Chicago, IL, May 2000
11. "Surgical Interventions in Heart Failure: Repair, Restore, or Replace" Cardiovascular Nursing Symposium, Palo Alto, CA, October 2007
12. "Valve-Sparing Aortic Root Replacement: Tirone David V Stanford Modification" Society of Thoracic Surgeons, Ft. Lauderdale, Florida, January 2008
13. "Transplantation: Only for a Select Few?" 3rd Annual Complex Cardiovascular Patient Management- Stanford Hospital and Clinics CME Course, Honolulu, HI, May 2008
14. "Treatment of Aortic Dissections" 3rd Annual Complex Cardiovascular Patient Management- Stanford Hospital and Clinics CME Course, Honolulu, HI, May 2008
15. "Management of Acute Type A Dissections" California Perfusionist Society- The Tahoe Symposium, Tahoe, NV, September 2008
16. "Minimally Invasive Heart Surgery" 3rd Annual Focus on Complex Care for Case Managers Stanford Hospital and Clinics CME Course, Stanford, CA, September 2008
17. "The Logistics of Setting up an Integrated 6-Year Cardiothoracic Surgery Program" Society of Thoracic Surgeons- TSDA Program, San Francisco, CA, January 2009
18. "Valve-Sparing Aortic Root Replacement: Tirone David V Stanford Modification" Society of Thoracic Surgeons, San Francisco, CA, January 2009
19. "Aortic Valve Replacement: Traditional vs. Percutaneous Approach" Adult Critical Care Conference: Cardiothoracic Surgical Interventions- Stanford Hospital and Clinic CME Course, Stanford, CA, March 2009

20. “Developing an Integrated Cardiothoracic Surgery Program AATS Academy” American Association for Thoracic Surgery, Boston, MA, May 2009
21. “Surgical Myectomy in Hypertrophic Cardiomyopathy” Athletes Heart, Sudden Death and Hypertrophic Cardiomyopathy Conference, Stanford, CA, June 2009
22. “Traditional vs. Transcatheter Aortic Valve Replacements” California Perfusionist Society- The Tahoe Symposium, Tahoe, NV, September 2009
23. “Cardiothoracic Surgery” American College of Surgeons, Chicago, IL, October 2009
24. “Training the Cardiothoracic Surgeon of the Future: New Training Paradigms” Society of Thoracic Surgeons, Ft. Lauderdale, FL, January 2010
25. “Sparing Aortic Root Replacement: Tirone David V Stanford Modification” Society of Thoracic Surgeons, Ft. Lauderdale, FL, January 2010
26. “Cardiothoracic Surgery Pathology” Academic Surgical Congress, San Antonio, TX, February 2010
27. “Traditional vs. Transcatheter Aortic Valve Replacements” Adult Critical Care Conference: Cardiothoracic Surgical Interventions Stanford Hospital and Clinic CME Course, Stanford, CA, March 2010
28. “Gene Expression and Transplant Rejection” International Society for Lung and Heart Transplantation, Chicago, IL, April 2010
29. “Cardiovascular Surgery in Patients with the Marfan Syndrome” National Marfan Society: Northern California, Sacramento, CA, May 2010
30. “New Frontiers in Aortic Surgery: Training the Next Generation” 38th Japanese Society of Vascular Surgery, Saitama, Japan, May 2010
31. “Fast-track and Integrated Pathways: Cardiothoracic Training” American Heart Association, Chicago, IL, November 2010
32. “Results for Conventional AVR for AS in the Elderly: Benchmark for TAVI” STS TAVI for Surgeons, Chicago, IL, December 2010
33. “Transcatheter Aortic Valve Replacements” Cardiovascular Surgery Grand Rounds- Kasier, San Francisco, CA, December 2012

34. "Transcatheter Aortic Valve Replacements" Grand Rounds- St. Agnes Medical Center, Fresno, CA December 2010
35. "Valve-Sparing Aortic Root Replacement: Tirone David V Stanford Modification" Society of Thoracic Surgeons, San Diego, CA January 2011
36. "Transcatheter Aortic Valve Replacements" Grand Rounds- John Muir Hospital, January 2011
37. "Acute Aortic Syndromes: New Treatments in Acute Type B Dissection" UC Davis 34th Annual Emergency Medicine Winter Conference, Lake Tahoe, CA, March 2011
38. "Developing the Hybrid OR and the Optimal Hybrid Environment: Strategies in Team Building and Achieving Procedural Efficiency" STS TAVI for Surgeons, San Diego, CA, March 2011
39. "Aortic Valve Surgery" 49ers Training Facility: Stanford Outreach, Santa Clara, CA, March 2011
40. "Transcatheter Aortic Valve Replacement" 2011 ACCA Annual Cardiovascular Administrators' Leadership Conference, Chicago, IL, April 2011
41. "Transcatheter Aortic Valve Replacements" Association of Surgical Technologists, San Francisco, CA, June 2011
42. "Transcatheter Aortic Valve Replacement" Fresno Cardiovascular Consortium, Fresno, CA June 2011
43. "Contemporary Ascending Aortic and Arch Replacements Discussant" Western Thoracic Society, Colorado Springs, CO, June 2011
44. "How to Evaluate and Manage Acute Aortic Syndrome, Including What to do with Acute Intramural Hematoma" VIVA 2011, La Vegas, NV, October 2011
45. "Thoracic Aortic Management of Chronic Type B Dissection when it Becomes Aneurysmal: Open Surgical Repair is the Only Good Option in a Fit Patient" VIVA 2011, Las Vegas, NV, October 2011
46. "Problems Teaching Residents from Medical School: I6 Program" Society of Thoracic Surgeons- Joint Council on Thoracic Surgery Education, January 2012
47. "Valve-Sparing Aortic Root Replacement: Tirone David V Stanford Modification" Society of Thoracic Surgeons, Ft. Lauderdale, FL, January 2012

48. “What’s New in Thoracic Aortic Surgery” Cardiology Update 2012- Coventional Wisdom and Beyond, Torrance Medical Center, Torrance, CA, May 2012
49. “The Role of microRNAs in Aortic Aneurysms” GenTac Thoracic Aortic Disease Summit, Chicago, IL, August 2012
50. Thoracic Aortic Session: Moderator, Society of Thoracic Surgeons, Los Angeles, CA, January 2013
51. “Valve-Sparing Aortic Root Replacement: Tirone David V Stanford Modification” Society of Thoracic Surgery, Los Angeles, CA, January 2013
52. C. Walton Lillehei Resident Forum: Discussant, American Association of Thoracic Surgery, Minneapolis, MN, May 2013
53. “Aortic Regurgitation Should be Treated with the Gold Standard: AVR” American Heart Association, Dallas, Tx, November 2013
54. “Acute Type A Dissections”  
Lillehei Memorial Workshop for Japanese Surgeons, Minneapolis, MN, June 2014
55. “Aortic Arch Surgery”  
Lillehei Memorial Workshop for Japanese Surgeons, Minneapolis, MN, June 2014
56. “Valve-Sparing Aortic Root Replacements and Techniques for Aortic Insufficiency”  
USC St Jude Resident Forum, Los Angeles, CA, October 2014
57. “Predictors of Positive Aortic Remodeling After TEVAR in Dissection”  
STS Advanced Thoracic Endografting Symposium, Chicago, IL, November 2014
58. “Percutaneous and Alternative Non-Ileofemoral Access for TEVAR”  
STS Advanced Thoracic Endografting Symposium, Chicago, IL, November 2014
59. “Type A Aortic Dissection: DHCA, Selective Antegrade Perfusion, or Both?”  
American Heart Association, Chicago, IL, November 2014
60. Vivien Thomas Young Investigator Award: Moderator  
American Heart Association, Chicago, IL, November 2014
61. “Type B Dissection, Open vs. Endovascular: Review of the Literature”  
Society of Thoracic Surgeons TechCon, San Diego, Ca, January 2015

62. Thoracic Aortic Session: Moderator, Society of Thoracic Surgeons, Los Angeles, CA, January 2015
63. “Updates in Thoracic Aortic Surgery”  
Mid Valley CV Symposium, Modesto, CA, March 2015
64. “Valve-Sparing Aortic Root Replacements: Stanford Experience,”  
79<sup>th</sup> Japanese Circulation Society, Osaka, Japan, April 2015
65. “Aortic Surgery in Patients with Marfan syndrome,”  
Marfan Foundation, Northern California Chapter, Stanford, CA, May 2015
66. “Management Options for the Descending Aorta after Type A Dissections,”  
Society for Vascular Surgeons, Chicago, IL, June 2015.
67. “Aortic Stenosis: Advances in Treatment,”  
Tianjin Medical Center, Tianjin, China, August 2015.
68. “Aortic Stenosis: Advances in Treatment,”  
Shandong Provincial Hospital, Jinan, China, August 2015.
69. “Aortic Stenosis: Advances in Treatment,”  
Beijing Anzhen Hospital, Beijing, China, August 2015.
70. “Aortic Valve Replacement: What to Expect in the Future,”  
China Heart Congress, Beijing, China, August 2015.
71. “Valve-Sparing Aortic Root Replacements: Stanford Experience,”  
China Heart Congress, Beijing, China, August 2015.
72. “The Integrated 6 Year Residency Program: Is it the Best Way to Train  
Cardiothoracic Surgery Residents?”  
China Heart Congress, Beijing, China, August 2015.
73. “Valve-Sparing and Surgical Approaches for Patients with Aortic Insufficiency,”  
USC Aortic Valve Symposium, Los Angeles, CA, October 2015.
74. “Open Surgery: Acute and Chronic Type B Aortic Dissections,”  
American Heart Association, Orlando, FL, November 2015.
75. “Integrated Residency: Best Way to Train Cardiothoracic Residents”  
American Heart Association, Orlando, FL, November 2015.
76. WL Glenn Lecture

- Moderator  
American Heart Association, Orlando, FL, November 2015.
77. Managing the Emergency/Cardiogenic Shock Cardiac Surgery Patient  
Moderator  
American Heart Association, Orlando, FL, November 2015.
  78. “TAVR: A Surgeon’s Prospective”  
Radiology Society of North American, Chicago, IL, November 2015
  79. Acute Type A Dissections: Tips and Tricks  
Society of Thoracic Surgeons, Phoenix, AZ, January 2016
  80. “Conservative Management of Uncomplicated Acute Type B Dissections: To Treat Now or Later” SVS at STS  
Society of Thoracic Surgeons, Phoenix, AZ, January 2016
  81. “My view of chronic Type B Dissections and its Treatment: Open Repair”  
Society of Interventional Radiology, Vancouver, BC, April 2016
  82. “Cerebral and Spinal Cord Protection: What the Surgeon Can Do?”  
Society of Cardiac Anesthesiologist, San Diego, CA, April 2016
  83. Aortic and Endovascular Surgery: Invited Discussant  
American Association for Thoracic Surgery, Baltimore, MD, May 2016
  84. “Acute Type B Dissections: To Treat Now or Later-Conservative Management”  
Society for Vascular Surgery, Washington DC, June 2016
  85. “Aortic Aneurysm and Update in Thoracic Aortic Surgery”  
Cardiology for the Primary Care Physician, Stanford CA, October 2016
  86. “Balloon Expandable Transcatheter Aortic Valves are Superior”  
Stanford CME TAVR Course, Stanford, CA, October 2016
  87. “VSARR and Aortic Valve Repair Techniques”  
USC-St Jude Resident Symposium, USC, Los Angeles, CA, October 2016
  88. “VSARR in Patients with Bicuspid Aortic Valves: Should It Be Done?”  
American Heart Association, New Orleans, La, November 2016
  89. “Treatment of Stanford Type A Dissections”  
American Heart Association, New Orleans, La, November 2016

90. "Type A Dissections: Surgical Options to Prevent Future Descending Thoracic Aortic Surgery"  
American Heart Association, New Orleans, La, November 2016
91. "TAVR: A Surgeons Prospective"  
RSNA 2016, Chicago, Il, November 2016
92. "Integrated Program: Lesson Learned"  
TSDA General Session  
STS, Houston, Tx, January 2017
93. "Statins Reduce Thoracic Aortic Aneurysm Growth in Marfan Syndrome Mice"  
Academic Surgical Congress, Las Vegas, NV, February 2017
94. "Treatment of Uncomplicated Type B Dissections: Endovascular"  
Society for Vascular Surgery, San Diego, CA, June 2017
95. "Elephant Trunks"  
Aortic Festgraft 25<sup>th</sup> year Anniversary  
Stanford, Ca, August 2017
96. "The Redo Aortic Root"  
American Heart Association, Anaheim, CA, November 2017
97. "Does Aortic Embryologic Origin Explain Aneurysms Formation in Marfan Syndrome"  
American Heart Association, Anaheim, CA, November 2017
98. "Is the Aortic Surgeon Eternal"  
American Heart Association, Anaheim, CA, November 2017
99. Early Career CVSA  
Moderator  
American Heart Association, Anaheim, CA, November 2017
100. AHA/STS Innovation in Cardiac Surgery: From Imaginative Research to Transformative Clinical Therapy  
Moderator  
American Heart Association, Anaheim, CA, November 2017
101. Vivien Thomas Young Investigator Award Competition  
Moderator  
American Heart Association, Anaheim, CA, November 2017

102. “What is the Best Option for Bicuspid Aortic Valve Aortic Insufficiency with Root Aneurysm: Reimplantation Method”  
EACTS at STS, Ft Lauderdale, FL, January 2018
103. “Immediate Operation for Acute Type A Dissection with Malperfusion”  
The Houston Aortic Symposium, Houston, Tx, February 2018
102. “Surgical Management for Acute Type A Dissections”  
Keynote Address, Japanese Society for Vascular Surgery, Yamagata, Japan, May 2018
103. “Surgical Treatment of Bicuspid Aortic Valves with Aneurysms”  
Japanese Society for Vascular Surgery, Yamagata, Japan, May 2018
104. “Open Surgical Treatment of Thoracoabdominal Aortic Aneurysms” Japanese Society for Vascular Surgery, Yamagata, Japan, May 2018
105. “Elephant Trunk Procedures for Dissections: Fresh, Frozen, Reverse”  
Society for Vascular Surgery, Boston, MA, June 2018
106. “Advances in Aortic Interventions” The National Marfan Foundation, Santa Clara, CA, July 2018

### **PUBLICATIONS (Peer-Reviewed)**

1. Wang X, Christiani D, Winecke J, **Fischbein M**, Xeu X, Cheng T, Mark G, Wain J, Kelsey K Mutations in the p53 Gene in Lung Cancer Are Associated with Cigarette Smoking and Asbestos Exposure. *Cancer Epidemiology* 1995; Jul-Aug4(5):543-8j.
2. Yun J, **Fischbein MP**, Laks H, Fishbein MC, Espejo M, Irie Y, Berliner J, Ardehali A. Chemokine Production Correlates with Leukocyte Recruitment in Cardiac Allograft Vasculopathy. *Transplantation* 2000; 69 (12): 2515.
3. **Fischbein MP**, Ardehali A, Yun J, Schoenberger S, Laks H, Irie Y, Dempsey P, Cheng G, Fishbein MC, Bonavida B. CD40 Signaling Replaces CD4+ Lymphocytes and its Blocking Prevents Chronic Rejection of Heart Transplants. *Journal of Immunology* 2000; 165 (12): 7316.
4. **Fischbein MP**, Yun J, Laks H, Irie Y, Fishbein MC, Espejo M, Bonavida B, Ardehali A. CD8+ Lymphocytes Augment Chronic Rejection in a MHC Class II Mismatched Model. *Transplantation* 2001; 71 (8): 1146.

5. Yun JJ, **Fischbein MP**, Laks H, Irie Y, Espejo ML, Fishbein MC, Berliner JA, Ardehali A. Rantes Production during Development of Cardiac Allograft Vasculopathy. *Transplantation* 2001; 71 (11): 1649.
6. Yun J, **Fischbein MP**, Laks H, Ardehali A. Chronic Rejection in Transplanted Hearts. *Current Opinion in Organ Transplantation* 2001; 6 (3): 205.
7. **Fischbein MP**, Yun J, Laks H, Irie Y, Fishbein MC, Bonavida B, Ardehali A. Role of CD8+ Lymphocytes in Chronic Rejection of Transplanted Hearts. *J Thorac Cardiovasc Surg* 2002; 123 (4): 803.
8. Ardehali A, **Fischbein MP**, Yun J, Irie Y, Fischbein MC, Laks H. Indirect alloreactivity and chronic rejection. *Transplantation* 2002; 73 (11): 1805.
9. Yun JJ, **Fischbein MP**, Irie Y, Fishbein MC, Burdick MD, Streiter RM, Laks H, Berliner J, Ardehali A. The Role of Interferon-gamma Inducible CXC Chemokine, Mig/CXCL-9, in Cardiac Allograft Vasculopathy. *Am J Pathol* 2002; 161 (4): 1307.
10. Pinderski LJ, **Fischbein MP**, Subbanagounder G, Fishbein MC, Kubo N, Cheroutre H, Curtiss LK, Berliner JA, Boisvert WA. Overexpression of Interleukin-10 by activated T lymphocytes inhibits atherosclerosis in LDL-Receptor deficient mice by altering lymphocyte and macrophage phenotypes. *Circ Research* 2002; 90 (10): 1064.
11. **Fischbein MP**, Yun J, Laks H, Irie Y, Oslund-Pinderski L, Fishbein MC, Bonavida B, Ardehali A. Regulated IL-10 Expression Prevents Chronic Rejection of Transplanted Hearts. *J Thorac Cardiovasc Surg* 2003; 126 (1): 216.
12. Yun JJ, Whiting D, **Fischbein MP**, Banerji A, Irie Y, Stein D, Fishbein MC, Proudfoot AE, Laks H, Berliner JA, Ardehali A. Combined blockade of chemokine receptors CCR1 and CCR5 attenuate chronic rejection. *Circulation* 2004; 109 (7): 932.
13. Schnickel GT, Whiting D, Hsieh GR, Yun JJ, **Fischbein MP**, Fishbein MC, Yao W, Shfizadeh A, Ardehali A. CD8 lymphocytes are sufficient for the development of chronic rejection. *Transplantation* 2004; 78 (11): 1634.
14. Schrepfer S, Deuse T, Reichenspurner H, Hoffmann J, Haddad M, Fink J, **Fischbein MP**, Robbins RC, Pelletier MP. Effect of inhaled tacrolimus on cellular and humoral rejection to prevent posttransplant obliterative airway disease. *Am J Transplant* 2007; 7 (7): 1733.

15. Deuse T, Schrepfer S, Reichenspurner H, Hoyt G, **Fischbein MP**, Robbins RC, Pelletier MP. Techniques for experimental heterotopic and orthotopic tracheal transplantations-when to use which model. *Transpl Immunol* 2007; 17 (4): 255.
16. Schrepfer S, Deuse T, Reichenspurner H, **Fischbein MP**, Robbins RC, Pelletier MP. Stem cell transplantation: the lung barrier. *Transplant Proc* 2007; 39 (2): 573.
17. Deuse T, Schrepfer S, Pelletier MP, **Fischbein MP**, Robbins RC, Reichenspurner H. Is the malononitrilamide FK778 better for the prevention of acute or chronic rejection? *Transplant Proc* 2007; 39 (2): 569.
18. van der Bogt KE, Sheikh, AY, Schrepfer S, Hoyt G, Cao F, Ransohoff K, Swijnenburg R, Pearl J, Lee A, **Fischbein M**, Contag C, Robbins RC, Wu J. Comparison of different adult stem cell types for treatment of myocardial ischemia. *Circulation* 2008; 118 (14): S129.
19. **Fischbein MP** and Miller DC. Long-Term Durability of Open Thoracic and Thoracoabdominal Aneurysm Repair. *Semin Vasc Surg* 2009; 22 (2): 74.
20. Itoh S, Nakae S, Velotta JB, Kosuge H, Connolly A, Tsai M, Adachi H, Galli SJ, Robbins RC, **Fischbein MP**. The Role of Recipient Mast Cells in Acute and Chronic Cardiac Allograft Rejection in C57BL/6-Kit(W-sh/W-sh) Mice. *J Heart Lung Transplant* 2009; 29 (4); 401-9.
21. Satoshi Itoh, Nakae Susumu, Robert C. Axtell, Jeffrey B. Velotta, Naoyuki Kimura, Naoki Kajiwara, Yoichiro Iwakura, Hirohisa Saito, Hideo Adachi, Lawrence Steinman, Robert C. Robbins, **Michael P. Fischbein**. IL-17 Contributes to the Development of Chronic Rejection in a Murine Heart Transplant Model. *Journal of Clinical Immunology* 2010; 30 (2): 235-40.
22. Sheikh AY, van der Bogt KE, Doyle TC, Sheikh MK, Ransohoff KJ, Ali ZA, Palmer OP, Robbins RC, **Fischbein MP**, Wu JC. Micro-CT for characterization of murine cv disease models. *JACC Cardiovasc Imaging* 2010; 3 (7): 783-5.
23. Mishra A, Velotta J, Brinton TJ, Wang X, Chang S, Palmer O, Sheikh A, Chung J, Yang P, Robbins R, **Fischbein M**. RevaCor Platelet-rich Plasma Improves Cardiac Function After Myocardial Injury. *Cardiovasc Revasc Med* 2010; Oct 13 (Epub ahead of print).
24. Itoh A, **Fischbein M**, Arata K, Miller, DC. Peninsula-style Transverse Aortic Arch Replacement in Patients with Bicuspid Aortic Valve. *Ann Thorac Surg* 2010; 90 (4): 1369-71.
25. Stein W, Schrepfer S, Itoh S, Kimura N, Velotta J, Palmer O, Bartos J, Wang X,

- Robbins R, **Fischbein MP**. Prevention of Graft Coronary Artery Disease by Prenylation Inhibitors. *J Heart Lung Transplant* 2011; 30 (7): 761-9.
26. Velotta JB, Chang SH, Chung J, Itoh S, Rothbard J, Kimura N, Yang PC, Steinman L, Robbins RC, **Fischbein MP**. A $\beta$ -Crystallin Improves Cardiac Function and Attenuates Apoptosis in Ischemia-Reperfusion Injury. *Ann Thor Surg* 2011; 91 (6): 1907-13.
  27. Itoh S, Kimura N, Nakae S, Axtell RC, Velotta JB, Jan Bos E, Merk DR, Gong Y, Nagamine C, Adachi H, Kornfeld H, Robbins RC, **Fischbein MP**. Interleukin-16 Deficiency Suppresses the Development of Chronic Rejection in Murine Cardiac Transplantation Model. *J Heart Lung Transplan* 2011; 30 (12): 1409-17.
  28. Itoh S, Kimura N, Axtell RC, Velotta JB, Gonquon Y, Wang X, Kajiwara N, Nambu A, Shimura E, Iwakura Y, Saito H, Okumura K, Sudo K, Steinman L, Robbins RC, Nakae S, **Fischbein MP**. IL-17 Accelerates Allograft Rejection by Suppressing Regulatory T Cell Expansion. *Circulation* 2011; 124 (11 Suppl): S187-96.
  29. Sheik AY, Huber BC, Narsinh KH, Spin JM, van der Bogt K, de Almedia PE, Ransohoff KJ, Kraft DL, Fajardo G, Ardigo D, Ransohoff J, Berstein D, **Fischbein MP**, Robbins RC, Wu JC. *Arterioscler ThrombVasc Biol*; 2012; 32(1): 92-102.
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## **BOOK CHAPTERS**

1. Atlas of Cardiac Surgical Techniques  
Selke & Ruel (2010)  
Type B Aortic Dissections  
Michael P. Fischbein, Kapil Sharma, R. Scott Mitchell
2. Surgery of the Chest  
Sabiston & Spencer (2010) Edition 8  
Heart Transplantation  
Jeffrey Velotta, Leora Balsam, Michael P. Fischbein, Robert C. Robbins
3. Complications in Cardiothoracic Surgery: Avoidance and Treatment  
Alex G. Little and Walter H. Merrill (2010)  
Complications in Heart Transplantation  
William Stein, Jeffrey Velotta, Hari Maillidi, Michael Fischbein, Robert Robbins

4. Cardiothoracic Surgery Review  
Acute Type B Aortic Dissections  
Franco and Thourani (2012)  
Katherine Harrington, Michael Fischbein

### **CLINICAL TRIALS**

1. Transcatheter Aortic Valve Replacement: Edwards PARTNER 1 trial (Sub-Investigator)
2. Transcatheter Aortic Valve Replacement: Edwards PARTNER 2 trial (Sub-Investigator)
3. GORE TAG Thoracic Endoprosthesis in the Treatment of Thoracic Diseases (Stanford Principal Investigator for Dissection trial)
4. EXCEL trial: Evaluation of Stent versus CABG for Effectiveness of Left Main Revascularization (Sub-Investigator)
5. Mechanistic Assessment of the Properties of Saxagliptin in Subjects Undergoing Coronary Artery Bypass Graft Surgery (MAPSS) (Stanford Principal Investigator)
6. Cook Zenith Dissection Endovascular System in the Treatment of Patients with Acute Complicated Type B Aortic Dissection (Stable II) (Stanford Principal Investigator)
7. GORE TAG Thoracic Branch Endoprosthesis LSA Feasibility Study (Stanford Principal Investigator)
8. St. Jude Portico Transcatheter Aortic Valve trial (Stanford Co-Principal Investigator)
9. Lotus REPRISE Transcatheter Aortic Valve trial (Stanford Co-Principal Investigator)
10. Medtronic Perigon Pericardial Tissue Valve trial (Stanford Principal Investigator)
11. Terumo Thoraflex Frozen Elephant Trunk trial (Stanford Principal Investigator)
12. Edwards Partner 3 Low Risk Prospective Randomized Trial (Stanford Co-Investigator)
13. Edwards Asymptomatic Randomized Clinical Trial (Stanford Principal Investigator)

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