

CURRICULUM VITAE
DAVID AARON FULLERTON, M.D.

Current Position

Professor of Surgery, Head, Division of Cardiothoracic Surgery
University of Colorado School of Medicine, Division of Cardiothoracic Surgery
12631 East 17th Avenue, Room 6602, MS C310, PO Box 6511, Aurora, CO 80045

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Home

375 Lafayette Street, Denver, CO 80218
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Marital Status

Married - Christine F. Fullerton, July 29, 1978

Children

Patrick Callahan Fullerton (December 29, 1984)
Daniel Courtney Fullerton (May 7, 1987)

Education

1971-1975	B.S., Southern Methodist University, Dallas, TX
1975-1977	St. Louis University Graduate School, Department of Physiology, St. Louis, MO
1977-1981	M.D., University of Missouri-Columbia, Columbia, MO (Magna Cum Laude)
1981-1982	Intern in General Surgery, University of Washington, Seattle, WA
1982-1987	Resident in General Surgery, University of Washington, Seattle, WA
1987-1990	Cardiothoracic Surgery, University of Colorado Health Sciences Center, Denver, CO
1985-1986	N.I.H. Postdoctoral Research Fellowship, University of Washington, Department of Physiology, Seattle, WA (Eric Feigl, M.D., Advisor)
Oct-Dec 1989	Pediatric Cardiac Transplant Surgery Fellowship, Loma Linda University Medical Center, Loma Linda, CA (Leonard L. Bailey, M.D., Advisor)

Academic Appointments

1990-1995	Assistant Professor of Surgery, University of Colorado, School of Medicine
1995-1996	Associate Professor of Surgery, University of Colorado, School of Medicine
1996-2003	Professor of Surgery and Chief, Division of Cardiothoracic Surgery, Northwestern University Medical School
2003-present	Professor of Surgery and Head, Division of Cardiothoracic Surgery, University of Colorado, School of Medicine

Administrative Appointments

1990-1996	Chief, Cardiothoracic Surgery, Denver Veterans Affairs Medical Center
1996-2003	Chief, Cardiothoracic Surgery, Northwestern University Medical School
1996-2003	Cardiac Surgeon-in-Chief, Northwestern Memorial Hospital, Chicago, IL
1997-2003	Director, Cardiothoracic Surgical ICU, Northwestern Memorial Hospital, Chicago

2003-present Head, Division of Cardiothoracic Surgery, University of Colorado School of Medicine

Hospital, Government or Other Professional Positions

1990-1996 Attending Physician, Cardiothoracic Surgery, University of Colorado Hospital
 1990-1996 Attending Physician, Cardiothoracic Surgery, The Children's Hospital, Denver
 1990-1996 Attending Physician, Cardiothoracic Surgery, Veteran Affairs Medical Center, Denver, CO
 1996-2003 Attending Physician, Cardiothoracic Surgery, Northwestern Memorial Hospital
 1996-2003 Attending Physician, Cardiothoracic Surgery, Children's Memorial Hospital Chicago, IL
 2003-present Attending Physician, Cardiothoracic Surgery, University of Colorado Hospital
 2003-present Attending Physician, Cardiothoracic Surgery, Veteran Affairs Medical Center, Denver, CO
 2003-present Attending Physician, Cardiothoracic Surgery, The Children's Hospital, Denver, CO
 2003-present Attending Physician, Cardiothoracic Surgery, Denver Health Hospital, Denver, CO
 2003-present Attending Physician, Cardiothoracic Surgery, Denver Health Hospital, Denver, CO

Military Service

None

Consultant Positions

1995 American Board of Surgery Examiner, Guest Examiner
 1998-2002 American Board of Thoracic Surgery, Guest Examiner

Honors, Special Recognitions and Awards

Undergraduate

Who's Who in American Colleges and Universities
 Election to Beta Beta Beta Biology Honorary
 Election to Blue Key

Medical School

Election to A.O.A. in Junior Year
 Freshman Medical Student Physiology Award
 Department of Surgery Outstanding Student Award
 Dean's Award for Outstanding Achievement in Academic and Clinical Proficiency
 Magna Cum Laude
 1981 Valedictorian, University of Missouri School of Medicine

Postgraduate

1990 Samson Resident Prize Essay Winner (Presented by the Western Thoracic Surgical Association), "The effects of donor-recipient size disparity in infants and pediatric heart transplantation"
 1995 Outstanding Young Physician Award (Presented by the University of Missouri Medical Alumni Committee)
 1996 Recipient of the Best Scientific Presentation Award (Presented by the Southern Thoracic Surgical Association), "Variable response to inhaled nitric oxide following cardiac surgery"
 1996-1997 Best Doctors in America

1998	Best Doctors in Chicago
2001	Top Doctors, Chicago Metro Area (Castle Connolly)
2001	Who's Who in American Medicine (Marquis)
2002	Who's Who Among America's Teachers
2002	Top Doctors, Chicago Metro Area (Castle Connolly)
2001-2002	Best Doctors in America
2003	Top Doctors, Chicago Metro Area (Castle Connolly)
2003-2004	Best Doctors in America
2004	Top Doctors, Chicago Metro Area (Castle Connolly)
2004	America's Top Doctors (Castle Connolly)
2005	Who's Who in Medical Science Education
2005	Top Doctors in America (Castle Connolly)
2005-2006	Best Doctors in America
2006	Top Doctors in America (Castle Connolly)
2007	America's Top Doctors (Castle Connolly)
2007-2008	Best Doctors in America
2008	America's Top Doctors (Castle Connolly)
2009	University of Colorado, Academy of Medical Educators Award for Excellence in Mentoring and Advising.
2009	Top Doctors in America (Castle Connolly)
2009-2010	Best Doctors in America
2011	Top Doctors in America (Castle Connolly)
2011-2012	Best Doctors in America

Membership in Professional Organizations, Offices Held and Leadership Positions

1991-	International Society of Heart Transplantation Program Committee abstract grader, 2000
1991-	Rocky Mountain Cardiac Surgical Society
1991-	Association for Academic Surgery Program Committee, 1992-1994 Executive Committee, 1997
1992-	The Western Thoracic Surgical Association Program Committee, 1993-1996 Representative to the ACS Advisory Council 1994-97 Chair, Program Committee, 2006-2007 Vice President, 2007-2008 President, 2008-2009
1992-	American Heart Association Executive Council on Cardiovascular Surgery 1996-2001 Program Committee abstract grader 2001, 2006, 2007
1992-	American College of Chest Physicians
1994-	Fellow, American College of Cardiology Standards and Ethics Committee, 2007-present
1994-	Society of University Surgeons Committee on Social and Legislative Issues 1996-1999
1994-	American Association for the Advancement of Science
1995-	Society of Critical Care Medicine

- 1995- Society of Thoracic Surgeons
 National Database Committee 1996-2000
 National Program Committee 1998-2000
 Chair, Program Committee 2000
 Chair, CME Committee 2000-2001
 Council on Clinical Trials, 2002-present
 Workforce on Aging 2002-2006
 Workforce on Clinical Trials 2002-2006
 Standards and Ethics Committee 2002-2006
 Representative to the American Geriatrics Society Research Agenda Setting Council 2002-2006
 Workforce on Cardiac Surgery 2005-2011
 Representative to the Society of University Surgeons Council
 Workforce on Clinical Education 2007-2011
 Workforce on Graduate Medical Education & Thoracic Surgery Resident Issues 2008-present
 Secretary-elect, 2009
 Board of Directors 2009 - present
 Executive Committee 2009 – present
 Secretary 2010 - present
- 1995- The American Physiological Society
- 1995- Surgical Infection Society
- 1995- Fellow, American College of Surgeons (#3028014)
 Advisory Council for Cardiothoracic Surgery 2001-2007
 Chair, Advisory Council Cardiothoracic Surgery 2005-2007
 Advisory Council Program Representative 2001-2007
 Chair, Postgraduate Course in Cardiac Surgery 2001, 2005
 Board of Governors (Specialty Governor from AATS) 2003-2009
 Board of Governors Nominating Committee 2008, 2009
- 1996- American Association of Thoracic Surgeons
- 1996- Thoracic Surgery Program Directors Association
 Thoracic Surgery Quadrad for the ABMS/ACGME Joint Initiative on Residency Competency and Evaluation 2000-2001
 Curriculum Implementation Committee 1996-present
 Outcomes Committee 2001-2004
 Executive Committee 2001-2004
 Nominating Committee 2005
 Vice-President 2010 – present
- 1997- Society of Clinical Surgery
- 2000- Cardiac Surgery Biology Club
- 2000-2001 Chair, Task Force, Thoracic Surgery Program Directors on Resident Competency Issues
- 2001- Residency Review Committee for Thoracic Surgery
 Chair, Residency Review Committee for Thoracic Surgery, 2004-present
- 2002- Fellow, The Institute of Medicine of Chicago
- 2002- Society of Thoracic Surgery, Council on Clinical Trials
- 2002- American Geriatrics Society, Research Agenda Setting Council
- 2002-2007 Joint Council on Thoracic Surgery Education

2002-2008	Thoracic Surgery Foundation for Research and Education Board of Directors Education Committee, 2002-present Joint Council on Thoracic Surgery Education, 2002-2007 Secretary, Board of Directors, 2005 – 2008 Nominating Committee 2007
2003-	The American Surgical Association Membership Committee, 2007-present
2004-2010	Director, American Board of Thoracic Surgery Chair, Cardiac Surgery Examination Committee, 2007-2010
2009-2011	Joint Council on Thoracic Surgery Education Advisory Board

Major Committee and Service Responsibilities

1990-1992	Infection Control Committee, Denver VA Medical Center
1990-1992	Blood Utilization Committee, University of Colorado Health Science Center
1993-1996	Multiple Institutional Review Board, University of Colorado
1994-1996	Chairman, Transplantation Council, The Children’s Hospital, Denver, CO
1996-1999	Feinberg Cardiovascular Research Institute Steering Committee, Northwestern University
1998-2003	Director, Cardiac, Thoracic and Vascular ICU, Northwestern Memorial Hospital
2004-present	Executive Committee, Department of Surgery, University of Colorado
2003-present	Research Steering Committee, Department of Surgery, University of Colorado
2003-2007	Cardiovascular Center Directors Committee, University of Colorado Hospital
2010-present	Cardiovascular Center Quality Committee, University of Colorado Hospital

Licensure

1982-1987	State of Washington
1987-1996	State of Colorado
1996-2003	State of Illinois
2003-present	State of Colorado, #28383

Board Certification

1982	National Board of Medical Examiners
1988	American Board of Surgery, #32996
1998	Re-certified, #043662
2008	Re-certified
1991	American Board of Thoracic Surgery, #5073
2001	Re-certified
1991	American Board of Surgery: Critical Care, #73
2001	Re-certified

Review and Referee Work

Editorial Boards

1998-2007	Annals of Thoracic Surgery
1998-2004	Journal of Surgical Research
1992-2002	CT Digest
2008-	Journal of Cardiac Surgery

Study Sections

1999-2001	Surgery, Radiology and Anesthesiology Study Section, American Heart Association
2000	Ad Hoc Member, Surgery, Anesthesia and Trauma Study Section, National Institutes of Health
2007	Ad Hoc Member, Research Project in Cardiothoracic Surgery, National Institutes of Health
2010	Ad Hoc Member, National Institutes of Health Special Review Section to Review INTERMACS

Invited Extramural Lectures, Presentations, and Visiting Professorships

Visiting Professorships

1. Duke University, Durham North Carolina, May, 2000.
2. Medical University of South Carolina, Charleston, South Carolina, Smithy Lecture, October 8, 2005.
3. George Washington University, Washington, D.C., November 30, 2005.
4. University of Texas San Antonio, San Antonio, Texas, December 12, 2006
5. University of Washington, Seattle, Washington, May 2, 2008.
6. University of Oregon, Portland, Oregon, October 6, 2008
7. Case Western Reserve University, Cleveland, Ohio, March 18, 2009
8. Massachusetts General Hospital, Boston, MA, Buckley Lecture, April 17, 2009
9. University of Alberta, Edmonton, Alberta. November 20, 2010

Presentations

1. Fornier's Necrosis: A Five Year Experience. Presented at the Washington State Chapter of the American College of Surgeons, Seattle, Washington, June 1984. Fullerton DA, Nieto FA, Radke H.
2. Diaphragmatic Injury. Presented at the Washington State Chapter of the American College of Surgeons, Sun River, Oregon, June 1985. Fullerton DA, Johansen K.
3. Medical Revascularization of Acute Myocardial Ischemia. Presented at Surgical Grand Rounds, University of Colorado, October 1987.
4. Medical Revascularization of Acute Myocardial Ischemia. Presented at Horizons in Surgery, Winter Park, Colorado, February 1988.
5. The Relevance of Myocardial Metabolism to Postoperative Myocardial Function. Presented at the Surgical Grand Rounds, University of Colorado, October 1988.
6. Oxygen and Carbon Dioxide Control of Coronary Blood Flow. Presented at the Federation of American Societies for Experimental Biology, New Orleans, Louisiana, March 1989. Broten TP, Romson JL, Fullerton DA, VanWinkle DM, Feigl EO.
7. Mechanical Prosthetic Valves are Superior to Bioprosthetic Valves. Presented at the Colorado State Chapter of the American College of Surgeons, Colorado Springs, Colorado, May 1989.
8. Iatrogenic Buffalo Chest After Resection of Calcified Pericardial Mass. Presented at the Colorado State Chapter of the American College of Surgeons, Colorado Springs, Colorado, May 1989.
9. Advances in Congenital Cardiac Surgery. Presented at the Symposium on Innovation in Cardiac Care, University of Colorado, June 1989.
10. Heart Transplantation in Infants and Children. Presented at the Conference for Pediatric Care, Denver, Colorado, March 1990.
11. The Effect of Respiratory Acidemia on Pulmonary Vascular Resistance Following Cardiopulmonary Bypass. Presented at the International Society of Anesthesia Research, Honolulu, Hawaii, March 1990.

12. Surgical Treatment of Coronary Artery Disease. Presented at Surgical Grand Rounds, University of Colorado, Denver, Colorado, May 1990.
13. The Use of Human Recombinant Erythropoietin to Correct Severe Preoperative Anemia. Presented at the Colorado State Chapter of the American College of Surgeons, Colorado Springs, Colorado, May 1990.
14. The Effects of Donor-Recipient Size Disparity in Infant and Pediatric Heart Transplantation. Presented at the Western Surgical Association, Coronado, California, June 1990. Fullerton DA, Gundry SR, Alonso de Begona J, Kawachi M, Razzouk AJ, Bailey LL
15. The Surgical Significance of Pulmonary Vascular Resistance. Presented at Surgical Grand Rounds, University of Colorado, Denver, Colorado, November 1990.
16. Human Pulmonary Vascular Resistance is [H⁺] not pCO₂ Sensitive. Poster presentation at the Association for Academic Surgery, Houston, Texas, November 1990. Fullerton DA, St. Cyr JA, Whitman GJR, Kirson L.
17. Difficult Patient Management Problems in Thoracic Surgery. Presented at Waring-Durrance Conference, Colorado Trudeau Society, Aspen, Colorado, March 1991.
18. Infant Cardiac Transplantation. Presented at New Horizons in Pediatric Transplantation. Denver, Colorado, September 13, 1991.
19. Hemodynamic Advantages of Left Atrial Epinephrine Administration Following Cardiac Surgery. Poster presented at The Society of Thoracic Surgeons, San Antonio, Texas, January 1993. Fullerton DA, St. Cyr JA, Albert JD, Grover, FL.
20. Use of Pleural Tenckhoff Catheter to Palliate Malignant Pleural Effusion. Poster presented at The Society of Thoracic Surgeons, San Antonio, Texas, January 1993. Fullerton DA, Robinson R, Albert JD, Sorenson J, Johnston M.
21. Intracellular Mechanism of Pulmonary Vasomotor Dysfunction Caused by Mesenteric Ischemia-Reperfusion. Presented at the 54th Annual meeting of the Society of University Surgeons, Seattle, Washington, February 11-13, 1993. Fullerton DA, Hahn AR, Koike K, Banerjee A, Harken AH.
22. Failure of Beta Adrenergic Signal Transduction Mediates Refractory Pulmonary Hypertension in ARDS. Presented at the 54th Annual meeting of the Society of University Surgeons, Seattle, Washington, February 11-13, 1993. McIntyre RC, Hahn AR, Bensard DD, Banerjee A, Fullerton DA.
23. Cardiac Surgical Dilemmas in General Surgery. Presented at Surgical Grand Rounds, University of Colorado Health Sciences Center, Denver, Colorado. April 1993.
24. Cold Ischemia and Reperfusion Each Produce Pulmonary Vasomotor Dysfunction in the Transplanted Lung. Presented at the American Association for Thoracic Surgery 1993 Annual meeting, Chicago, Illinois, April 25-28, 1993. Fullerton DA, Mitchell MB, McIntyre RC, Banerjee A, Campbell DN, Grover FL.
25. Effective Use of Respiratory Acid-Base Status to Control Perioperative Pulmonary Vascular Resistance in Patients with Mitral Stenosis. Presented at the 19th Annual meeting of the Western Thoracic Surgical Association, Carlsbad, California, June 24-26, 1993. Fullerton DA, Kirson L, St. Cyr JA, Whitman GJR, Grover FL.
26. Mechanisms of Coronary Vasomotor Dysfunction in the Transplanted Heart. Presented at the 40th Annual meeting of Southern Thoracic Surgical Association, Panama City Beach, Florida, November 4-6, 1993. Fullerton DA, Mitchell MB, McIntyre RC, Campbell DN, Grover FL.
27. Mechanistic Imbalance of Pulmonary Vasomotor Control in Acute Lung Injury. Presented at the 66th Scientific Session of the American Heart Association, Atlanta, Georgia, November 10, 1993. Fullerton DA, McIntyre RC, Hahn AR, Banerjee A, Harken AH.
28. Pulmonary Vasomotor Dysfunction is Produced With Chronically High Pulmonary Blood Flow. Presented at the 27th Annual meeting of the Association for Academic Surgery, Hershey, Pennsylvania, November 12, 1993. Fullerton DA, Mitchell MB, Jones DN, Maki A, McIntyre RC.

29. Preoperative Cardiac Evaluation for Non Cardiac Surgery. Presented at Horizons in Surgery, Breckenridge, Colorado, March 4, 1994.
30. Lung Transplantation Using Cardiopulmonary Bypass Exaggerates Pulmonary Vasomotor Dysfunction in the Transplanted Lung. Presented at the 74th Annual Meeting of the American Association for Thoracic Surgery, New York, New York, April 24-27, 1994.
31. Nitric Oxide: What We Know From Current Clinical Experience. Presented at the 20th Annual Western Thoracic Surgical Association, Squaw Valley, California, June 22-25, 1994.
32. Adenosine as a Selective Pulmonary Vasodilator in Cardiac Surgical Patients. Presented at the 20th Annual Meeting of the Western Thoracic Surgical Association, Squaw Valley, California, June 22-25, 1994.
33. Research Methods. Presented at the Association for Academic Surgery, Fundamentals of Surgical Research meeting, Duke University, Durham, North Carolina, July 12, 1994.
34. Heart Transplantation in Children and Young Adults: Early and Intermediate-term Results. Presented at the 41st annual meeting of the Southern Thoracic Surgical Association, Marco Island, Florida, November 12-14, 1994.
35. Protein Synthesis is Required for Pulmonary Vasomotor Dysfunction in Acute Lung Injury. Presented at the 67th Annual Scientific Sessions of the American Heart Association, Dallas, Texas, November 14-17, 1994.
36. Mechanistic Imbalance of Pulmonary Vasomotor Control in Progressive Lung Injury. Presented at the 28th Annual Meeting of the Association for Academic Surgery, Albuquerque, New Mexico, November 16-19, 1994.
37. Mechanisms of Pulmonary Hypertension in Acute Lung Injury. Presented at the 56th Annual meeting of the Society of University Surgeons, Denver, Colorado, February 9, 1995.
38. Effective Control of Pulmonary Vascular Resistance With Inhaled Nitric Oxide Following Cardiac Operation. Presented at the 21st Annual Meeting of the Western Thoracic Surgical Association, Coeur d'Alene, Idaho, June 21-24, 1995.
39. Adenosine Effectively Controls Pulmonary Hypertension Following Cardiac Surgery. Presented at the 42nd Annual Meeting of the Southern Thoracic Surgical Association, San Antonio, Texas, November 8-11, 1995.
40. Effective Control of Refractory Pulmonary Hypertension After Cardiac Surgery. Presented at the 22nd Annual Meeting of the Western Thoracic Surgical Association, Maui, Hawaii, June 26-29, 1996.
41. Inhaled Nitric Oxide in Cardiothoracic Surgery. Presented at Surgical Grand Rounds, The Evanston Hospital, Evanston, Illinois, August 20, 1996.
42. Variable Response to Inhaled Nitric Oxide Following Cardiac Surgery. Presented at the 43rd Annual Meeting of the Southern Thoracic Surgical Association, Cancun, Mexico, November 6-9, 1996.
43. Thoracic Surgery Residency Content: Is it Relevant? Presented at the Annual Meeting of the Thoracic Surgery Program Directors, New Orleans, LA, January 1997.
44. Coronary Revascularization in the Management of Heart Failure. Presented at the 1st Symposium on the Treatment of Chronic Heart Failure, Chicago, Illinois, March 1, 1997.
45. Surgical Therapy in Ischemic Cardiomyopathy. Presented at Chronic Heart Failure: A Manifestation of Coronary Heart Disease, Merrillville, Indiana, October 4, 1997.
46. Surgical Therapy in Ischemic Cardiomyopathy. Presented at Chronic Heart Failure: A Manifestation of Coronary Heart Disease, Naperville, Illinois, February 10, 1998.
47. Pulmonary Hypertension. Presented at the Walter Reed Cardiovascular Symposium, Walter Reed Army Center, Washington, DC, February 19, 1998.
48. Update on Homografts. Presented at the Walter Reed Cardiovascular Symposium, Walter Reed Army Center, Washington, DC, February 19, 1998.

49. Myocardial Revascularization in Patients With Heart Failure. Presented at Chronic Heart Failure: A Manifestation of Coronary Heart Disease, Deerfield, Illinois, May 9, 1998.
50. Minimally Invasive Valve Surgery. Presented at the 46th Annual Meeting of the American College of Chest Physicians, Toronto, Ontario, Canada, November 1998.
51. Mechanical Ventricular Assist Devices: Changing Regional Paradigms. 35th Annual Meeting, Society of Thoracic Surgeons, San Antonio, Texas, January 25-27, 1999.
52. Pulmonary Hypertension in Surgical Patients. Presented at Surgical Grand Round, Duke University Medical Center, Durham, NC, May, 2000.
53. Laser Versus Mechanical Transmyocardial Revascularization: Do You Need a Light? Presented at the 86th Annual Clinical Congress, American College of Surgeons, Chicago, Illinois, October 2000.
54. Choice of Cardiac Valves. Presented at the Annual Postgraduate Review Course, Oak Park, IL, October 2000.
55. Thoracic Surgical Resident Outcomes Study. Presented at the Annual Meeting of the Thoracic Surgery Program Directors, New Orleans, LA, January 27, 2001.
56. Mechanical versus Biologic Heart Valves. Presented at the Cardiac Surgery Postgraduate Course, 87th Annual Clinical Congress of the American College of Surgeons, New Orleans, LA, October 9, 2001.
57. Attracting Cardiothoracic Surgery Residents. Presented to the Cardiac Surgery Biology Club. Washington, D.C., May 5, 2002.
58. The Ross Procedure in Adults: Intermediate-term Results. Presented at the 49th Annual Meeting of the Southern Thoracic Surgical Association, Miami Beach, Florida, November 8, 2002.
59. The SVR Procedure. Grand Rounds Presentation. Cheyenne VA Medical Center, Cheyenne, Wyoming, March 12, 2004.
60. Cardiac and Pulmonary Risk-Reduction in Non-Cardiac Surgery. Presented at the 1st Annual Meeting of Frontiers in Surgery, Squaw Valley, California, March 23, 2004.
61. On- versus Off-Pump Coronary Artery Bypass Surgery. Presented at the University of Colorado Sponsored City-Wide Journal Club, Denver, Colorado, August 9 2004.
62. Pulmonary Hypertension. Invited Grand Rounds Presentation, St. Joseph Regional Medical Center, Bellingham, Washington, September 30, 2004.
63. Aortic Valve Replacement: Which Prosthesis? Presented at Cardiology Grand Rounds, University of Colorado, Denver, Colorado, December 3, 2004.
64. Mechanical of Tissue Valves: What Difference Does it Make? Presented at Department of Surgery Grand Rounds, University of Colorado, Denver, Colorado, May 23, 2005.
65. Special Considerations in Aortic Valve Replacement I. Presented at University of Colorado City-Wide Journal Club. Denver, Colorado, June 13, 2005.
66. Special Considerations in Aortic Valve Replacement II. Presented at University of Colorado City-Wide Journal Club. Denver, Colorado, August 22, 2005.
67. Management of Postoperative Pulmonary Hypertension. Invited Presentation as the Smithy Lecturer at Department of Surgery Grand Rounds, Medical University of South Carolina, Charleston, South Carolina, October 8, 2005.
68. Postoperative Pulmonary Hypertension. Invited Presentation at Department of Surgery Grand Rounds, George Washington University, Washington, D.C., November 30, 2005.
69. Surgical Treatment of Atrial Fibrillation: The Maze Procedure. Invited Presentation at Grand Rounds, Valley View Hospital, Glenwood Springs, Colorado, December 14, 2005.
70. Mitral Valve Surgery in Patients with Left Ventricular Dysfunction. Presented at the University of Colorado City-Wide Conference, Denver, Colorado, October 30, 2006.
71. Management of Postoperative Pulmonary Hypertension. Presented at Grand Rounds, University of Texas San Antonio Department of Surgery, December 14, 2006.

72. Aortic Stenosis: From Bedside to Bench. Presented at Department of Surgery Grand Rounds, University of Colorado HSC, November 26, 2007.
73. Aortic Stenosis. Presented at Department of Surgery Grand Rounds, University of Washington, Seattle, Washington, May 2, 2008.
74. Cellular Mechanisms of Aortic Stenosis. Presented at the Annual Meeting of the Cardiac Surgery Biology Club, San Diego, California, May 10, 2008.
75. Aortic Stenosis: From Bedside to Bench. Presented at Department of Surgery Grand Rounds, University of Oregon Health and Science University, Portland, Oregon, October 6, 2008.
76. Choosing a Prosthetic Valve: What Difference does it Make? Presented at the Division of Cardiothoracic Surgery Conference, University of Oregon Health and Science University, Portland, Oregon, October 6, 2008.
77. Aortic Stenosis. Presented at the Department of Surgery Grand Rounds, Case Western Reserve University School of Medicine, Cleveland, Ohio, March 18, 2009.
78. Mechanisms of Aortic Stenosis. Presented as the Buckley Lecture, Massachusetts General Hospital, Boston, Massachusetts, April 17, 2009.
79. CABG is Superior to PCI for the Treatment of Coronary Artery Disease in the Elderly, Presented at the Annual Meeting of the American Geriatrics Society, Chicago, IL, May 2, 2009.
80. Presidential Address. An Endangered Species. Presented at the 35th Annual Meeting of the Western Thoracic Surgical Association, Banff, Alberta, Canada, June 25, 2009.
81. Research During Residency. Presented as Visiting Professorship, University of Alberta, Edmonton, Alberta, Canada, November 20, 2010.

Teaching Record

Ward and Clinic Attending Duties

Daily supervision and bedside teaching of students, general surgery and thoracic surgery residents, Cardiac Surgery Clinic (4 hours per week)

Key Administrative Positions

1994-1996 Program Director, Lung Transplant Program, The Children's Hospital, Denver, CO
 1996-2003 Program Director, Thoracic Surgical Residency, Northwestern University Medical School, Chicago, IL
 2003-present Program Director, Thoracic Surgery Residency, University of Colorado
 2009-present Thoracic Rotation Coordinator, Acute Care Fellowship, University of Colorado

Course Development

1996-present. One of the original founders and continuous involvement with National Thoracic Surgery resident curriculum via the Thoracic Surgery Program Directors Association
 1999, 2001 Developed the Cardiac Surgery Postgraduate Course, American College of Surgeons Clinical Congress

Teaching Awards

2009 University of Colorado, Academy of Medical Educators Award for Excellence in Mentoring and Advising.

Grant Support – Extramural Funding

Co-Investigator

NIH RO1 HL106582-01
 “Role of inflammatory response in aortic valve lesions”
 P.I.: Xianzhong Meng, M.D., Ph.D.
 2011- 2016
 Total Grant Award \$1,886,000

Principal Investigator

AHA: 0850158Z
 “The Role of BMP-2 in Aortic Valve Calcification”.
 2008 - 2011.
 Total Grant Award \$196,000

Collaborator

NIH: 2P50GM049222-17A1
 “Trauma Primes Cells”
 P.I.: Anirban Banerjee, Ph.D.
 2011-2016
 Total Grant Award Approximately \$12M

Co-Investigator

NIH: 5P50 GM049222-14.
 “Trauma Primes Cells”
 P.I.: Anirban Banerjee, Ph.D.
 2004-2010
 Total Grant Award \$10M

Principal Investigator

NIH; HL49398
 “Surgical Control of Post-traumatic Lung Injury”
 1992-1996
 Total Grant Award: \$513,000

Grant Support – Intramural Funding

Principal Investigator

“Notch-1 modulates TLR4-induced BMP-2 expression in human aortic valve interstitial cells:
 Implication for the pathogenesis of aortic stenosis”
 2010-2012
 Total Grant Award \$25,000

Principal Investigator

University of Colorado Department of Surgery AEF Grant
 “The role of cholesterol in aortic valve calcification”
 2009-2011
 Total Grant Award \$25,000

Principal Investigator

University of Colorado Department of Surgery AEF Grant
 “The role of the TLR4-BMP-2 pathway in coronary artery endothelial cell calcification”
 2008-2010
 Total Grant Award \$50,000

Principal Investigator

University of Colorado Department of Surgery AEF Grant
 “Attenuation of ischemia-reperfusion injury in lung transplantation by induction of heme oxygenase-1”
 2007-2009
 Total Grant Award \$35,000

Principal Investigator

University of Colorado Department of Surgery AEF Grant
 “Attenuation of ischemia-reperfusion injury in solid-organ transplantation by induction of heme oxygenase-1”
 2006-2008
 Total Grant Award \$35,000

Principal Investigator

University of Colorado Department of Surgery AEF Grant
 “Valvular ossification”
 2005-2007
 Total Grant Award \$35,000

Bibliography**Refereed Journal Articles**

1. Freeman RH, Davis JO, Fullerton DA. Chronic ACTH administration and development of hypertension in rats. *Proc Soc Exp Biol Med* 1980;163:473.
2. Alonso de Begona J, Kawauchi M, Fullerton DA, Razzouk AJ, Gundry SR, Bailey LL. Heart transplantation in children. *Compr Ther* 1990;16:61-64.
3. Kawauchi M, Gundry SR, Alonso de Begona J, Fullerton DA, Razzouk AJ, Boucek M, Kanakriyeh M, Bailey LL. Prolonged preservation of human pediatric hearts: correlation of ischemic time and subsequent function. *Surg Forum* 1990; XLI:211-212.
4. Broten TP, Romson JO, Fullerton DA, VanWinkle DM, Feigl EO. Synergistic action of myocardial oxygen and carbon dioxide in controlling coronary blood flow. *Circ Res* 1991;68:531-542.
5. Fullerton DA, Campbell DN, Whitman GJR. The use of human recombinant erythropoietin to correct severe preoperative anemia. *Ann Thorac Surg* 1991;51:825-826.
6. Fullerton DA, Clarke DR, Campbell DN, Toews WH, See WM. The Bezold-Jarisch reflex in postoperative pediatric cardiac surgical patients. *Ann Thorac Surg* 1991;52:534-536.
7. St. Cyr JA, Fullerton DA. Aortic replacement with sutureless intraluminal grafts. *Tex Heart Inst J* 1991;18:144-145.
8. St. Cyr JA, Fullerton DA, Harken AH. Repair of the torn, friable right atrium after decannulation. *Ann Thorac Surg* 1991;52:1344-1355.

9. Alonso de Begona J, Gundry SR, Nehlsen-Cannarella SL, Fullerton DA, Kawauchi M, Razzouk AJ, Vigessa R, Kanakriyeh M, Boucek M, Bailey LL. HLA matching and its effect on infant and pediatric cardiac graft survival. *Transplant Proc* 1991;23:1:1139-1141.
10. Fullerton DA, Gundry SR, Alonso de Begona J, Kawauchi M, Razzouk AJ, Bailey LL. The effects of donor-recipient size disparity in infant and pediatric heart transplantation. *J Thorac Cardiovasc Surg* 1992;104:1309-1314.
11. Alonso de Begona J, Kawauchi M, Fullerton DA, Razzouk AJ, Gundry SR, Bailey LL. The mustard procedure for correction of simple transposition of the great arteries before one month of age. *J Thorac Cardiovasc Surg* 1992;104:1218-1224.
12. St. Cyr JA, Fullerton DA. Successful repair of a pseudoaneurysm, originating from a true left ventricular aneurysm. *Am Heart J* 1992;124:1381-1382.
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