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# CURRICULUM VITAE

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Gary Raff

## Personal Information

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**Web Site:** <http://>

**Date of Birth:** July 5, 1963

**U.S Citizen:** Yes

**Date Arrived:**

**Type of Visa:**

## Education

### Education and Training

1981-1985 Stony Brook, Stony Brook, NY, B.S., Biology

1985-1986 Hahnemann University Graduate School, Philadelphia, PA

1986-1990 Hahnemann University School of Medicine, Philadelphia, PA, M.D.

2006-2007 University of California, Davis, School of Medicine, Mid Career Leadership Program

1990-1996 University of Medicine and Dentistry of New Jersey, NJ Medical School, Newark, NJ, Internship, Residency, Fellowship

1992-1993 University of Medicine and Dentistry of New Jersey, NJMS, Newark, NJ, Research Fellow in Surgery

1995-1996 University of Medicine and Dentistry of New Jersey, NJMS, Newark, NJ, Administrative Chief Resident in Surgery

1996-1998 University of Medicine and Dentistry of New Jersey, NJMS, Newark, NJ, Resident in Thoracic Surgery

1997-1998 University of Medicine and Dentistry of New Jersey, NJMS, Newark, NJ, Administrative Chief Resident in Thoracic Surgery

1998-1999 Children's Hospital of Philadelphia, Philadelphia, PA, Research Fellow in Pediatric Cardiac Surgery  
1999-2000 Children's Hospital of Philadelphia, Philadelphia, PA, Clinical Fellow in Pediatric Cardiac Surgery

### **Licenses and Certifications**

1993 New Jersey Medical License  
1998 Pennsylvania Medical License  
2000 Illinois Medical License  
2003 California Medical License  
National Board of Medical Examiners  
Diplomat of the American Board of Surgery  
Diplomat of the American Board of Thoracic Surgery

## **Employment**

### **Employment History**

August 2000-December 2002 Children's Hospital of Illinois, Peoria, IL, Attending Surgeon, Pediatric Cardiac Surgery  
December 2002-January 2003 OSF, St. Francis Medical Center Proctor Hospital, Peoria, IL, Attending Surgeon, Adult Cardiothoracic and Vascular Surgery  
January 2003-Present University of California, Davis, Sacramento, California, Assistant Professor  
January 2003-March 2008 University of California, San Francisco, San Francisco, California, Assistant Professor

## **Extending Knowledge**

### **Broadcast, Print or Electronic Media**

1. Ventricular Septal Defects, Contemporary Treatment, Television Interview, May 29 & June 1, 2003, University of California, Davis Medical Center's Children's Miracle Network - PULSE.

## **Grants and Contracts**

### **Grants Active**

10/01/05 - Grant #9362, \$61953, Co-Investigator, Transatlantic Network on Pulmonary Vascular Remodeling: Early Determinants in Congenital Heart Disease, Jeffrey Fineman, MD (Principal Investigator), Leducq Foundation  
09/30/09

### **Grants Completed**

01/12/2001 - \$5000/patient, Principal Investigator, Prophylactic Intravenous Use of  
01/01/2004 Milrinone after Cardiac Operation in Pediatrics (PRIMACORP), Sanofi-  
Synthelabo

## Honors & Awards

1981-1985 Dean's List - State University of New York, Stony Brook, NY  
1985 Letter of Recognition - Stony Brook Volunteer Ambulance Corps;  
Stony Brook NY  
1985 Service Citation - Stony Brook Volunteer Ambulance Corps; Stony  
Brook, NY  
1994 Winner: Resident's Trauma Paper Competition - New Jersey  
Committee on Trauma of the American College of Surgeons

## List of Evaluations

2003-2004 Surgery Residency Training Program: Surgery Residency Training  
Program  
Total Responses: 19 (Complete), Instructor Score: 3.79, Course  
Score: 1-5  
2004-2005 Surgery Residency Training Program: Surgery Residency Training  
Program  
Total Responses: 31 (Complete), Instructor Score: 3.87, Course  
Score: 1-5  
2005-2006 Surgery Residency Training Program: Surgery Residency Training  
Program  
Total Responses: 35 (Complete), Instructor Score: 4.37, Course  
Score: 1-5  
2005-2006 SUR 430: Surgery Clerkship  
Total Responses: 2 (Complete), Instructor Score: 4.00, Course Score:  
1-5  
2006-2007 Surgery Residency Training Program: Surgery Residency Training  
Program  
Total Responses: 40 (Complete), Instructor Score: 4.15, Course  
Score: 1-5  
2006-2007 SUR 430: Surgery Clerkship  
Total Responses: 4 (Complete), Instructor Score: 4.50, Course Score:  
1-5  
2007-2008 Surgery Residency Training Program: Surgery Residency Training  
Program  
Total Responses: 29 (Complete), Instructor Score: 4.34, Course  
Score: 1-5  
2007-2008 SUR 430: Surgery Clerkship  
Total Responses: 3 (Complete), Instructor Score: 4.33, Course Score:  
1-5

## Publications

### Journals

- 1995 Raff G.W., D.H. Livingston, M.T. Wang, P. Rameshwar. Hemorrhagic shock abolishes the myelopoietic response to turpentine induced soft tissue injury. *The Journal of Surgical Research*, 59: 75-79.
- 1999 McDonnell B.E., G.W. Raff, J.W. Gaynor, J. Rychik, R.I. Godinez, W.M. DeCampi, T.L. Spray. Outcome after repair of tetralogy of fallot with absent pulmonary valve. *Annals of Thoracic Surgery*, 67: 1391-1396.
- 2000 Raff G.W., J.W. Gaynor, P.M. Weinberg, T.L. Spray, M. Gleason. Membranous subpulmonic stenosis associated with ventricular septal defect and aortic insufficiency. *Journal of the American Society of Echocardiography*, 13(1): 58-60.
- 2002 Jones P.L., R. Chapados, H.S. Baldwin, G.W. Raff, E.V. Vitvitsky, T.L. Spray, J.W. Gaynor. Altered hemodynamics controls matrix metalloproteinase activity and tenascin-C expression in neonatal pig lung. *American Journal of Physiology. Lung Cellular and Molecular Physiology*, 282: L 26 - L 35.
- 2002 Raff G.W., D.M. Geiss, J.J. Shah, L.M. Bond, J.A. Carroll. Repair of transposition of the great arteries with total anomalous pulmonary venous return. *Annals of Thoracic Surgery*, 73: 655-657.
- 2002 Torres A., J. DiLiberti, R.H. Pearl, J. Whorley, G.W. Raff, G.K. Bysani, L.M. Bond, D.M. Geiss. Non-cardiac surgery in children with hypoplastic left heart syndrome. *Journal of Pediatric Surgery*, 37(10): 1399-1403.
- 2003 Dickes, M.S., K.W. Buckley, K.R. Glogowski, G.W. Raff, D.M. Geiss. Conversion from Extracorporeal Membrane Oxygenation to Total Cardiopulmonary Bypass: A simplified method. *Journal of Extra Corporeal Technology*, 35: 196-199.
- 2004 Raff, G.W., B.M. Torres Jr., T.E. Hasselman. Aortitis in a child with Abiotrophia defectia endocarditis. *Pediatric Infectious Disease*, 23(6): 574-576.
- 2004 Torres Jr., A., K.M. Sekender, J.D. Whorley, J.C. Aldag, G.W. Raff, G.K. Bysani, D.M. Geiss. Pulse oximetry in children with congenital heart disease: Effects of cardiopulmonary bypass and cyanosis. *Journal of Intensive Care Medicine*, 19(4): 229-234.
- 2006 Alphonso, N., P.V. Anagnostopoulos, S. Scarpace, P. Weintraub, A. Azakie, G.W. Raff, T. Karl. Perioperative antibiotic prophylaxis in pediatric cardiac surgery. *Cardiology in the Young*.

- 2007 Alphonso, N., P.V. Anagnostopoulos, L.Nolke, A. MoonGrady, A. Azakie, G.W. Raff, T. Karl. Anomalous coronary artery from the wrong sinus of Valsalva. A Physiologic Repair Strategy. Ann of Thoracic Surgery By The Society of Thoracic Surgeons, (83) 1472-1476.
- 2007 Anagnostopoulos, P.V, Alphonso, N, .Nolke,L, Hornberger, L, , G.W. Raff, Azakie,A, Karl, T. Neonatal Mitral and Tricuspid Valve Repair for In Utero Papillary Muscle Rupture. Ann Thorac Surg: The Society of Thoracic Surgeons, (83) 1458-1462.
- 2008 Parsapour, P, R. Pullela, G.W. Raff, R. Pretzlaff. Type B lactic acidosis and insulin-resistant hyperglycemia in an adolescent following cardiac surgery. Pediatric Critical Care Medicine, 9(1): e6-e9.
- 2008 Raff, G.W., M.S. Wong. Sternal plating to correct an unusual complication of the Nuss procedure: erosion of a pectus bar through the sternum. Annuals of Thoracic Surgery, 85(3): 1100-1101.

### **Journals Submitted**

- 2008 Allen, Roblee, G Raff, A Moon-Grady, J Milstein, S Bennerr, S Black. Diverse forms of pulmonary hypertension are caused by a fetal phenotype of arterial diameter network organization. Journal of Applied Physiology. \*\* SUBMITTED \*\*

### **Book Chapters**

- 1996 Meyer T.A., G.W. Raff, J.E. Fischer: Nutritional management in acute renal failure, Fischer JE, (ed), Nutrition and Metabolism in the Surgical Patient, Little, Brown and Company, New York, NY. Chapter 25, 653-665.
- 1999 Raff G.W., B. Gardner: The Pulmonary consequences of abdominal surgery, Rehabilitation of the Patient with Respiratory Disease, McGraw-Hill, New York, NY. Chapter 52, 623-629.
- 2002 Geiss D.M., G.W. Raff, M.S. Dickes, K.W. Buckley: Cardiopulmonary bypass and extracorporeal support for infants undergoing repair of hypoplastic left heart syndrome, Hypoplastic Left Heart Syndrome, Futura Publishing Company, Inc., Armonk, NY. Chapter 7, 67-98.

### **Limited Distribution**

- 1993 Raff, G.W., C.R. Spillert, D.J. Wilson, E.J. Lazaro: Prothrombotic effects of endothelin-2 (ET-2). Agents & Actions 39, C104-105.
- 1993 Raff G.W., C.R. Spillert, D.J. Wilson, E.J. Lazaro: Procoagulant property of platelet activating factor (PAF). Agents & Actions 39, C 106.

## **Abstracts**

- 1993 Raff G.W., D.H. Livingston, M.T. Wang. Decreased bone marrow CFU-GM in hemorrhagic shock vs. tissue injury. *Circulatory Shock*, 40(2): 11.
- 2006 Anagnostopoulous, P.C., A. Azakie, N. Alphonso, G.W. Raff, S. Natarajan, M.M. Brook, T.R. Karl. Pulmonary valve cusp augmentation with autologous pericardium may improve early outcome for tetralogy of Fallot. *American Association for Thoracic Surgery*.
- 2007 Wong, M.S., Calhoun, R, Raff, G.W., Morris, A.S., Young, N.J. Sternal Complications:An Early Experience. *California Society of Plastic Surgeons*.
- 2007 Robinson MR, Park J, Raff G. Novel palliative therapy for drug-refractory catecholaminergic polymorphic ventricular tachycardia in a young patient: cardiac autotransplantation followed by orthotopic transplantation. *Heart Rhythm*, 4(Suppl): S101.
- 2008 Avramenko, A., G.W. Raff, V. Goryachev, S. Shorokhov, I. Kozeva, Y. Blagochinnova, E. Suslina, A. Gorbacheva, L. Robertson, M. Cocalis, J. Everett, N. Lusin, J. Simsic. Can a comprehensive congenital heart program be developed with limited resources and maintain quality outcomes? Presented at the PCICS Europe 2008 – European Symposium of the Pediatric Cardiac Intensive Care Society: Monte Carlo, March.

## **Presentations**

- 1993 Decreased bone marrow CFU-GM in hemorrhagic shock vs. tissue injury. Raff, G.W., D.H. Livingston, M.T. Wang. Poster presentation at the Sixteenth Annual Conference on Shock; Santa Fe, NM: June.
- 1993 Hemorrhagic shock and soft tissue injury: IL-1 Production and Granulocyte macrophage colony growth. Raff, G.W., D.H. Livingston, M.T. Wang, P. Rameshwar. Presented at the American College of Surgeons Committee on Trauma, Residents Trauma Papers Competition (Region II); New York, NY: December.
- 1994 Hemorrhagic shock abolishes the Myelopoietic response to turpentine induced soft tissue injury. Raff, G.W., D. H. Livingston, M.T. Wang, P. Rameshwar. Presented at the Twenty Eighth Annual Meeting of the Association for Academic Surgery; Albuquerque, NM: November.
- 2001 Neurologic outcomes in congenital heart disease. Pediatric Grand Rounds, Children's Hospital of Illinois; Peoria, IL: January.
- 2001 Neurologic outcomes in pediatric patients who have undergone congenital heart defect repairs. Essentials of Pediatric Cardiothoracic Care Conference, Children's Hospital of Illinois; Moline, IL: February.

- 2001 Shunt lesions in childhood. Grand Rounds, St. Mary's Medical Center; Galesburg, IL: March.
- 2001 Shunt lesions in infancy. OSF St. Francis Medical Center Pediatric Surgery Symposium, Mark Twain Hotel Peoria, IL: September.
- 2002 Neurologic outcomes in congenital heart disease. Pediatric Grand Rounds, Children's Hospital of Illinois; Peoria, IL: February.
- 2002 Pediatric cardiac care consortium outcomes and overview of innovative pediatric interventional cardiology procedures. With Douglas Scheider, MD, and Adalberto Torres, MD. Decatur Memorial Hospital; Decatur, IL: May.
- 2002 Pediatric cardiac care consortium outcomes and overview of innovative pediatric interventional cardiology procedures. With Douglas Scheider, MD. Abraham Lincoln Memorial Hospital; Lincoln, IL: July.
- 2002 Shunt lesions in childhood. 2<sup>nd</sup> Annual Pediatric Surgery Kaleidoscope Symposium, Children's Hospital of Illinois; Peoria, IL: September.
- 2002 Update of pediatric cardiovascular surgery. 2<sup>nd</sup> Annual Pediatric Surgery Kaleidoscope Symposium, Children's Hospital of Illinois; Peoria, IL: September.
- 2003 Update in congenital heart disease. Perspective in Clinical Cardiology, University of California, Davis Medical Center; Sacramento, CA: February.
- 2003 Neurologic outcomes in congenital heart disease. General Surgery Grand Rounds, University of California, Davis Medical Center; Sacramento, CA: July.
- 2003 Thoracic Surgical Procedures. Cardiac Nurses Conference, Courtyard by Marriott Hotel, University of California, Davis Medical Center; Sacramento, CA: July.
- 2003 Why go into Medicine? National Youth Leadership Forum on Medicine, Courtyard by Marriott Hotel, University of California, Davis Medical Center; Sacramento, CA: July.
- 2003 Adult congenital heart surgery. Cardiac Catheterization Conference Rounds, University of California, Davis Medical Center; Sacramento, CA: July.
- 2003 Congenital heart disease. Basic Science Course, Department of Surgery, University of California, Davis Medical Center; Sacramento, CA: October.

- 2004 Aortic Arch Anomalies, Vascular Rings, Slings. Surgery Grand Rounds, University of California, Davis Medical Center; Sacramento, CA: August.
- 2004 Vascular Rings and Slings. Pediatric Grand Rounds, University of California, Davis Medical Center; Sacramento, CA: November.
- 2004 Neurologic Outcomes and Surgery for Congenital Heart Disease. Anesthesia Grand Rounds, University of California, Davis Medical Center; Sacramento, CA: November.
- 2004 Distal Extremity vs. Buccal Pulse Oximetry After Cardiac Surgery, Fifth International Symposium on Pediatric Cardiac Intensive Care, Miami, FL: December.
- 2005 Congenital Heart Surgery Update. Cardiology Clinical Conference Series, University of California, Davis Medical Center; Sacramento, CA: April.
- 2005 Neurologic Injury in Cardiac Surgery. Surgery Grand Rounds, San Joaquin General Hospital; Stockton, CA: June.
- 2005 Thoracic Trauma. Thoracic Surgery Directors Association Core Curriculum; Sacramento, CA: August.
- 2005 Surgery of Congenital Chest Wall Anomalies. Surgery Grand Rounds, University of California, Davis Medical Center; Sacramento, CA: September.
- 2005 Surgery of Congenital Chest Wall Anomalies. Pediatrics Grand Rounds, University of California, Davis Medical Center; Sacramento, CA: October.
- 2006 Low Cardiac Output Syndrome. PICU Lecture Series, University of California, Davis Medical Center; Sacramento, CA: March.
- 2006 Chest Wall Anomalies and Congenital Heart Disease. 4<sup>th</sup> International UCSF/UCD Symposium on Complex Problems in Congenital Heart Disease; Sacramento, CA: March.
- 2006 What to do with Congenitally Corrected Transposition? Cardiology Clinical Conference, University of California, Davis Medical Center; Sacramento, CA: March.
- 2006 Chest Wall Abnormalities. Grand Rounds, San Joaquin General Hospital; Stockton, CA: June.
- 2007 June, Aortic Arch Anomalies, Vascular Rings and Slings, San Joaquin General Hospital Grand Rounds.

- 2007 December, Complications of Congenital Heart Surgery, Adult Cardiology Clinical Update, University of California, Davis.
- 2007 June, Recent Advances in Congenital Heart Surgery, Adult Cardiology Clinical Update, University of California, Davis.
- 2008 March, Vascular Rings., Grand Rounds, Dameron Hospital; Stockton, CA.
- 2008 March, Can a comprehensive congenital heart program be developed with limited resources and maintain quality outcomes?, Presented at the PCICS European Symposium of the Pediatric Cardiac Intensive Care Society: Monte Carlo.
- 2008 June, Chest Wall Abnormalities., Grand Rounds, San Joaquin Medical Center; Stockton, CA.
- 2008 June, Heart Lung Machine, Department of Surgery Grand Rounds, University of California, Davis Medical Center, Sacramento, CA.
- 2008 September, Using near infrared spectroscopy and central venous oxygen saturation to assess systemic blood flow in single ventricle physiology., Care of patients with single ventricle physiology conference, University of California, Davis.
- 2009 February, Surgery For Congenital Esophageal Disease, Otolaryngology Rounds, University of California, Davis Medical Center, Sacramento.
- 2009 February, Pulmonary Valve Replacement in TOF, Cardiology Conference, University of California, Davis Medical Center, Sacramento.
- 2009 March, Impaired Lymph Flow in an Animal Model of a Congenital Cardiac Defect with Increased Pulmonary Blood Flow, 2nd International Conference on Childhood PVD, San Francisco, CA.
- 2009 May, Vascular Rings and Slings, Enloe Medical Center, Chico CA.

**Publications: Additional Information**

**Reviewer**

2002- Present Ad Hoc Reviewer, Annals of Thoracic Surgery

Reviewer for the California Medical Board for congenital heart disease cases

**Research**

Principle Investigator in a study investigating mechanisms of pulmonary hypertension in a fetal lamb model, which is done both at UC Davis and at UCSF in the laboratory of Dr. Jeffrey Fineman

Transatlantic Network on Pulmonary Vascular Remodeling: Early determinants in congenital heart disease. Objective is to establish a transatlantic collaboration to study the mechanism and treatment of pulmonary vascular remodeling in children with single ventricular heart disease

Analysis of the Intestinal Microbiota and the Impact of Probiotic Administration in Infants with Cyanotic Congenital Heart Disease

### **Publications in Preparation**

A case report describing a patient with a peculiar type of left ventricular dysfunction (Takotsubo Cardiomyopathy) which had been described only in adults

Describes the hypothesis that diverse forms of pulmonary hypertension can be described by using a mathematical network organization of blood vessels that closely approximates fetal phenotype

## **Service**

### **Administrative Activities**

2007-Present      Assistant Program Director, Cardiothoracic Surgery Residency Program

### **Committees**

#### **Department/Section**

1993                Member - Search Committee for Chairman of Department of Surgery - University of Medicine & Dentistry; New Jersey Medical School

2003                Member - Search Committee, Pediatric Critical Care Faculty; University of California, Davis Medical Center

2006-2008        Member - Cardiac Surgery Search Committee; University of California, Davis Medical Center

2007                Member - Thoracic Surgery Search Committee; University of California, Davis Medical Center

#### **School/College/Division**

1995 - 1996        Co-Chairman - Resident Council; University of Medicine & Dentistry - New Jersey Medical School

#### **Other University**

- 2002 - Present    Director - Site Surgical Director of the UCD Pediatric Heart Center
- 2003 - Present    Member - Invasive Procedures Review Committee; University of California, Davis Medical Center
- 2003 - Present    Member - Clinical Quality Improvement Multidisciplinary Programmatic Subcommittee; University of California, Davis Children's Hospital
- 2003 - Present    Member - Performance Improvement Programmatic Subcommittee; University of California, Davis Medical Center
- 2006-Present     Member - Cardiac Services Performance Improvement Programmatic Subcommittee: University of California, Davis Medical Center
- 2007-Present     Member - UCDCM Children's Hospital Advisory Board

**Other Non-University**

- 1986 - Present    Member: American Medical Association
- 1997 - Present    Member - American College of Surgeons
- 1997 - Present    Member - Society of Thoracic Surgeons
- 1997 - Present    Member - American College of Cardiology
- 2003 - Present    Member - Sierra Sacramento Valley Medical Society
- 2003 - Present    Member - California Medical Association
- 2006 - Present    Member - Pediatric Cardiac Intensive Care Society

**Service: Additional Information**

**Community Service**

Demonstrated teaching skills and leadership qualities as Team leader for Heart-to-Heart International Children's Medical Alliance, Surgical Outreach, Samara Russia. Development of a Pediatric Cardiac Care Program in underserved areas. Established an advanced congenital cardiac surgery program, making yearly trips with full pediatric surgical and cardiology teams that carry out one to two week instructional courses which include didactic conferences as well as a full schedule of surgical cases. Efforts have been recognized as achieving outstanding results, currently reaching a maturity after only a five-year developmental phase.

**Teaching**

**Contact Hours**

- 2003-2004        Lecture=30.00, Discussion=150.00, Clinic=170.00

2004-2005	Lecture=30.00, Discussion=150.00, Clinic=170.00
2005-2006	Lecture=100.00, Discussion=250.00, Clinic=170.00
2006-2007	Lecture=100.00, Discussion=250.00, Clinic=170.00
2007-2008	Lecture=100.00, Discussion=250.00, Clinic=170.00
2008-present	Lecture=50.00, Discussion=125.00, Clinic=85.00

### **Curricular Development**

2003	Cardiothoracic Journal Club, Residents and Fellows, Precepting Fellows, 2 CT Surgery Fellows and 2 Pediatric Surgery Fellows, General Surgery Student Clerkship, Medical Student Mentoring
2004	Cardiothoracic Journal Club, Residents and Fellows, Precepting Fellows, 2 CT Surgery Fellows and 2 Pediatric Surgery Fellows, General Surgery Student Clerkship, Medical Student Mentoring
2005	Core Curriculum, Shriners Hospital for Children, Precepting Fellows, 2 CT Surgery Fellows and 2 Pediatric Surgery Fellows, General Surgery Student Clerkship, Medical Student Mentoring
2006	Core Curriculum, Shriners Hospital for Children, Precepting Fellows, 2 CT Surgery Fellows and 2 Pediatric Surgery Fellows, General Surgery Student Clerkship, Medical Student Mentoring
2007	Organizes Core Curriculum project that provides a foundation of knowledge for the residents to build upon during and after their training. Participates in all teaching venues including Journal Club, Wet Labs, M&M Conferences and Case Presentations. Precepting Shriners' Fellows, 2 CT Surgery Fellows and 2 Pediatric Surgery Fellows, General Surgery Student Clerkship, Medical Student Mentoring
2008	Organizes Core Curriculum project that provides a foundation of knowledge for the residents to build upon during and after their training. Participates in all teaching venues including Journal Club, Wet Labs, M&M Conferences and Case Presentations. Precepting Shriners' Fellows, 2 CT Surgery Fellows and 2 Pediatric Surgery Fellows, General Surgery Student Clerkship, Medical Student Mentoring

### **Special Advising**

2007	Associate Program Director, UC Davis CT Surgery Residency Program
2007	Demonstrated teaching skills and leadership qualities as Team leader for Heart-to-Heart International Children's Medical Alliance, Surgical Outreach, Samara Russia. Established an advanced congenital cardiac surgery program, making yearly trips with full pediatric surgical and cardiology teams that carry out one to two week instructional courses which include didactic conferences as well as a full schedule of surgical cases.
2008	Associate Program Director for the UC Davis CT Surgery Residency
2008	Demonstrated teaching skills and leadership qualities as Team leader for Heart-to-Heart International Children's Medical Alliance, Surgical

Outreach, Samara Russia. Established an advanced congenital cardiac surgery program, making yearly trips with full pediatric surgical and cardiology teams that carry out one to two week instructional courses which include didactic conferences as well as a full schedule of surgical cases.

### **Student Advising**

2003 - 2004	General Surgery Resident Rotation Rounds (36), Pediatric Intensive Care Rounds (35), Pediatric CT Surgery Case Conference (14), UCSF Congenital Heart Disease Conference (14)
2004 - 2005	General Surgery Resident Rotation Rounds (36), Pediatric Intensive Care Rounds (36), Pediatric CT Surgery Case Conference (14), UCSF Congenital Heart Disease Conference (14)
2005 - 2006	General Surgery Resident Rotation Rounds (36), Pediatric Intensive Care Rounds (36), Pediatric CT Surgery Case Conference (14), UCSF Congenital Heart Disease Conference (14)
2006 - 2007	General Surgery Resident Rotation Rounds (36), Pediatric Intensive Care Rounds (35), Pediatric CT Surgery Case Conference (14), UCSF Congenital Heart Disease Conference (14)
2007 - 2008	General Surgery Resident Rotation Rounds (36), Pediatric Intensive Care Rounds (36), Pediatric CT Surgery Case Conference (14), Shriners Hospital Thoracic Surgery (20)
2008 - 2009	General Surgery Resident Rotation Rounds (36), Pediatric Intensive Care Rounds (36), Pediatric CT Surgery Case Conference (14), Shriners Hospital Thoracic Surgery (20)

### **Trainees**

2006	Nelson Alphonso, MD, Mentee, National Health Service Liverpool, United Kingdom
2006	Petros Anagnostopoulos, MD, Mentee, Private Practice, Phoenix Children's Hospital
2007	Lars Nolke, MD, Mentee, 1 of 3 pediatric cardiac surgeons in all of Ireland.