

# ROBERT B. KELLY, MD, FAAP

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Division of Critical Care  
Department of Pediatrics  
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## **Professional**

- **Associate Clinical Professor of Pediatrics** – Division of Critical Care, Department of Pediatrics, David Geffen School of Medicine at UCLA, Mattel Children's Hospital UCLA, Los Angeles, CA – July 1, 2015-Present.
- **Medical Director of the Pediatric Intensive Care Unit** – Division of Critical Care, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – July 22, 2016-Present.
- **Medical Director of Pediatric Transport** – Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – January 28, 2013-Present.
- **Medical Director for Pediatric ECMO** – UCLA Medical Center, Los Angeles, CA – July 14, 2010-Present.
- **Pediatric Pulmonary Vascular Diseases Program** – Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – July 2007-Present.
- **Course Director, Department Liaison/Lead Instructor** – Pediatric Resident Simulation – Mattel Children's Hospital UCLA, UCLA Simulation Center, Los Angeles, CA – July 1, 2010-Present.
- **Medical Director of PICU Nurse Practitioners** – Division of Critical Care, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – August 30, 2013-Present.

## **Education**

- **Fellow Physician** – Division of Critical Care, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – July 2005-June 2008.
- **Resident** – Department of Pediatrics, Penn State Milton S. Hershey Medical Center, Hershey, PA – July 2002-June 2005.
- **Doctor of Medicine** – Georgetown University School of Medicine, Washington, DC – May 2002.
- **Bachelor of Science, cum laude** – Georgetown University, Washington, DC – May 1997.
  - Major – **Biology**, Minor – **Chemistry**.
  - Biology senior thesis – *Digit patterning across the anterior-posterior axis of the chick limb*.

## **Peer-Reviewed Publications**

- Kelly RB. We Can, but Should We? *Front Pediatr* 2016;4:1;doi: 10.3389/fped.2016.00001.
- Pineda C, Grogan T, Lin JA, Zaritsky JJ, Venick R, Farmer DG, Kelly RB. The use of renal replacement therapy in critically ill pediatric small bowel transplantation candidates and recipients: experience from one center. *Pediatr Transplant* 2015;doi: 10.1111/ptr.12456. [Epub ahead of print]
- Su JA, Kelly RB, Grogan T, Elashoff D, Alejos JC. Extracorporeal membrane oxygenation support after pediatric orthotopic heart transplantation. *Pediatr Transplant* 2014;doi: 10.1111/ptr.12382. [Epub ahead of print]
- Huard L, Giza CC, Kelly RB. Critical appraisal of: Chesnut RM, Temkin N, Carney N, Dikmen S, Rondina C, Videtta W, Petroni G, Lujan S, Pridgeon J, Barber J, Machamer J, Chaddock K, Celix JM, Cherner M, Hendrix T. A trial of intracranial pressure monitoring in traumatic brain injury. *NEJM* 2012;367:2471-2481. In the PedsCCM Evidence-Based Journal Club, July 13, 2013. Available from: <http://pedscm.org/view.php?id=850>. Accessed July 15, 2013.

- Yadlapati A, Grogan T, Elashoff D, Kelly RB. Correlation of a novel noninvasive tissue oxygen saturation monitor to serum central venous saturation in pediatric patients with postoperative congenital cyanotic heart disease. *JECT* 2013;45:40-5.
- Wen AY, Weiss IK, Kelly RB. *Chryseomonas luteola* bloodstream infection in a pediatric patient with pulmonary arterial hypertension receiving intravenous treprostinil therapy. *Infection* 2013;doi: 10.1007/s15010-012-0399-2. [Epub ahead of print]
- Newgent K, Kelly RB, Madikians A. Index of suspicion: sudden increase in intracranial pressure in a 15-month-old girl who has hydrocephalus. *Pediatr Rev* 2012;33:578, 581-2;doi: 10.1542/pir.33-12-577.
- Indramohan G, Kelly RB. Critical appraisal of: Bennett TD, Riva-Cambrin J, Keenan HT, Korgenski EK, Bratton SL. Variation in intracranial pressure monitoring and outcomes in pediatric traumatic brain injury. *Arch Pediatr Adolesc Med* 2012;166:641-7. In the PedsCCM Evidence-Based Journal Club, December 3, 2012. Available from: <http://pedscdm.org/view.php?id=816>. Accessed December 6, 2012.
- Pineda C, Lin J, Kelly RB. Critical appraisal of: Albert SG, Ariyan S, Rather A. The effect of etomidate on adrenal function in critical illness: a systematic review. *Intensive Care Med* 2011;37:901-10. In the PedsCCM Evidence-Based Journal Club, July 14, 2012. Available from: <http://pedscdm.org/view.php?id=729>. Accessed July 17, 2012.
- Yuan S, Tsukahara E, De La Cruz K, Kelly RB. How we provide transfusion support for neonatal and pediatric patients on extracorporeal membrane oxygenation. *Transfusion* 2012;doi: 10.1111/j.1537-2995.2012.03688.x. [Epub ahead of print]
- Carlos F. Lerner, Robert B. Kelly, Leslie J. Hamilton, and Thomas S. Klitzner, "Medical Transport of Children with Complex Chronic Conditions," *Emergency Medicine International*, vol. 2012, Article ID 837020, 6 pages, 2012. doi:10.1155/2012/837020.
- Harrison J, Kelly RB. Critical appraisal of: Harikumar G, Egberongbe Y, Nadel S, Wheatley E, Moxham J, Greenough A, Rafferty GF. Tension time index as a predictor of extubation outcome in ventilated children. *Am J Respir Crit Care Med* 2009;180:982-8. In the PedsCCM Evidence-Based Journal Club, July 19, 2010. Available from: <http://pedscdm.org/view.php?id=638>. Accessed July 28, 2010.
- Kelly RB, Harrison RE. Outcome predictors of pediatric extracorporeal cardiopulmonary resuscitation. *Pediatr Cardiol* 2010;31:626-33.
- Federman MD, Kelly R, Harrison RE. Refractory metabolic acidosis as a complication of high-dose midazolam infusion for pediatric status epilepticus. *Clin Neuropharmacol* 2009;32(6):340-1.
- Kelly RB, Weiss IK. Critical appraisal of: Martin GS, Moss M, Wheeler AP, Mealer M, Morris JA, Bernard GR. A randomized, controlled trial of furosemide with or without albumin in hypoproteinemic patients with acute lung injury. *Crit Care Med* 2005;33(8):1681-7. In the PedsCCM Evidence-Based Journal Club, January 31, 2008. Available from: <http://www.pedscdm.org/view.php?id=400>. Accessed December 11, 2009.
- Kelly RB, Madikians A. Critical appraisal of: Hoorn EJ, Carlotti AP, Costa LA, MacMahon B, Bohn G, Zietse R, Halperin ML, Bohn D. Preventing a drop in effective plasma osmolality to minimize the likelihood of cerebral edema during treatment of children with diabetic ketoacidosis. *J Pediatr* 2007;150(5):467-73. In The PedsCCM Evidence-Based Journal Club, October 12, 2007. Available from: <http://www.pedscdm.org/view.php?id=474>. Accessed December 11, 2009.
- Kelly RB, Porter PA, Meier AH, Myers JL, Thomas NJ. Duration of cardiopulmonary resuscitation before extracorporeal rescue: how long is not long enough? *ASAIO J* 2005;51:665-7.

### **Abstract Publications**

- Melas A, Jackson N, Kelly R. Nonsuperiority of a simulator curriculum in improving pediatric resident PIV line placement skills. *Crit Care Med* 2016;44(12)(Suppl.) (Abstract 383).
- Yu P, Jackson N, Kelly R. Enhanced simulation provides effective interprofessional pediatric resuscitation training. *Crit Care Med* 2015;43(12)(Suppl.) (Abstract 222).
- Huard L, Flores M, Grogan T, Kelly R. Timing of DNR/DNI discussions and palliative care consultation in the PICU. *Crit Care Med* 2015;43(12)(Suppl.) (Abstract 355).
- Lewis R, Kelly R, Federman M. Factors affecting vancomycin use in the pediatric intensive care unit. *Crit Care Med* 2014;42(12)(Suppl.) (Abstract 653).
- Yu P, Grogan T, Kelly R. Mobile high-fidelity simulation provides effective resuscitation training for pediatric residents. *Crit Care Med* 2013;41(12)(Suppl.) (Abstract 157).
- Pineda C, Grogan T, Zaritsky J, Venick R, Kelly R. Perioperative renal replacement therapy experience in pediatric orthotopic liver transplantation. *Crit Care Med* 2013;41(12)(Suppl.) (Abstract 998).

- Pineda C, Zaritsky J, Venick R, Kelly RB. The use of renal replacement therapy in pediatric small bowel transplantation patients: experience and outcomes from one pediatric intensive care unit. *Pediatr Nephrol* 2013;28:186 (Abstract 47).
- Su J, Kelly RB, Alejos JC. Extracorporeal membrane oxygenation support after pediatric heart transplantation: Long-term survival trends. *J Heart Lung Transplant* 2012;31(4)(Supplement):S272 (Abstract 798).
- Su J, Kelly RB, Alejos JC. Extracorporeal membrane oxygenation support after pediatric heart transplantation: Predictors of survival to hospital discharge. *J Heart Lung Transplant* 2012;31(4)(Supplement):S260 (Abstract 763).
- Yadlapati A, Kelly RB. Correlation of a novel non-invasive tissue oxygen saturation monitor to serum central venous oxygen saturation in pediatric congenital cyanotic heart disease patients following a cardiac surgical procedure. *JACC* 2012;59(13)(Suppl. A) (Abstract 1135-125).
- Wen A, Mitton B, Kelly R. *Chryseomonas luteola* bacteremia in a patient on chronic treprostinil therapy. *Crit Care Med* 2011;39(12)(Suppl.) (Abstract 877).
- Taylor R, Saikali D, Kelly R. Indirect calorimetry as a means of assessing the nutritional status of patients in the pediatric intensive care unit. *Crit Care Med* 2010;38(12)(Suppl.) (Abstract 265).

### **Platform Presentations**

- Melas A, Huard L, Kelly R. *Defining Ethical Considerations Regarding Withdrawal of Ventricular Assist Devices and Extracorporeal Membrane Oxygenation among Pediatric Critical Care Physicians* – Pediatric Academic Societies Annual Meeting – San Francisco, CA – May 6, 2017.
- Huard L, Kelly R. *Timing of DNR/DNI Discussions and Palliative Care Consultation in the PICU* – Pediatric Academic Societies Annual Meeting – San Diego, CA – April 26, 2015.
- Huard L, Kelly R. *Determination of Medical Futility in the Pediatric Intensive Care Unit* – Pediatric Academic Societies Annual Meeting – San Diego, CA – April 27, 2015.

### **Conference Presentations**

- *Refining a Pediatric ECMO Program – A Multidisciplinary Approach to Improving Blood Product Use* – Georgia Health Sciences University 2012 Annual Cardiac Conference – Braselton, GA – September 23, 2012.
- *Predicting ECMO Survival – One Center's Experience with ECPR and ECMO Following Pediatric Heart Transplantation* – Georgia Health Sciences University 2012 Annual Cardiac Conference – Braselton, GA – September 22, 2012.
- *Refining a Pediatric ECMO Program: How Blood Banks Can Make a Difference* – California Blood Bank Society 57<sup>th</sup> Annual Meeting – San Francisco, CA – April 5, 2012.
- *Neonatal and Pediatric CPR – Beyond the Algorithms* – Neonatal and Pediatric Pearls – Mumbai, India – January 29, 2012.
- *Persistent Pulmonary Hypertension of the Newborn – Interactive Case Presentation* – Neonatal and Pediatric Pearls – Mumbai, India – January 28, 2012.
- *An Adolescent with Congestive Heart Failure: Fontan Physiology – Fellow Case Presentation*, Current Controversies in Pulmonary and Critical Care Medicine, California Thoracic Society 2007 Annual Clinical Conference and Members' Meeting, Carmel, California – February 3, 2007.

### **Conference Moderator**

- Research Snapshot Theater Moderator (Cardiovascular 7), Society of Critical Care Medicine, 46<sup>th</sup> Critical Care Congress, Honolulu, HI – January 23, 2017.
- Research Snapshot Theater Moderator (Sepsis 14), Society of Critical Care Medicine, 45<sup>th</sup> Critical Care Congress, Orlando, FL – February 22, 2016.

### **Conference Panelist**

- Interactive Pediatric Case Studies – California Pediatric Emergency Care Conference, Avalon, Catalina Island, CA – September 16, 2011.
- *Ask a Pediatrician – Kids Only*, 9<sup>th</sup> International Pulmonary Hypertension Conference and Scientific Sessions, Garden Grove, CA – June 27, 2010.

### **Moderated Poster Presentations**

- Melas A, Jackson N, Kelly R. Nonsuperiority of a simulator curriculum in improving pediatric resident PIV line placement skills. Society of Critical Care Medicine, 46<sup>th</sup> Critical Care Congress, Honolulu, HI – January 23, 2017.
- Kelly R, FitzGerald M, Schwartz HP, Bigham MT, Trautman M. The use of waveform capnography during neonatal and pediatric transport. American Academy of Pediatrics National Conference & Exhibition, San Francisco, CA – October 23, 2016.
- Yu P, Jackson N, Kelly R. Enhanced simulation provides effective inter-professional pediatric resuscitation training. Society of Critical Care Medicine, 45<sup>th</sup> Critical Care Congress, Orlando, FL – February 20, 2016.
- Huard L, Flores M, Grogan M, Kelly R. Timing of DNR/DNI discussions and palliative care consultation in the PICU. Society of Critical Care Medicine, 45<sup>th</sup> Critical Care Congress, Orlando, FL – February 22, 2016.
- Lewis R, Kelly R, Federman M. Factors affecting vancomycin use in the pediatric intensive care unit. Society of Critical Care Medicine, 44<sup>th</sup> Critical Care Congress, Phoenix, AZ – January 19, 2015.
- Yu P, Grogan T, Kelly R. Mobile high-fidelity simulation provides effective resuscitation training for pediatric residents. Society of Critical Care Medicine, 43<sup>rd</sup> Critical Care Congress, San Francisco, CA – January 12, 2014.
- Pineda C, Grogan T, Zaritsky J, Venick R, Kelly R. Perioperative renal replacement therapy experience in pediatric orthotopic liver transplantation. Society of Critical Care Medicine, 43<sup>rd</sup> Critical Care Congress, San Francisco, CA – January 12, 2014.
- Su J, Kelly RB, Alejos JC. Extracorporeal membrane oxygenation support after pediatric heart transplantation: Long-term survival trends (Abstract #798). The International Society for Heart & Lung Transplantation 32<sup>nd</sup> Annual Meeting & Scientific Sessions, Prague, Czech Republic – April 19, 2012.
- Su J, Kelly RB, Alejos JC. Extracorporeal membrane oxygenation support after pediatric heart transplantation: Predictors of survival to hospital discharge (Abstract #763). The International Society for Heart & Lung Transplantation 32<sup>nd</sup> Annual Meeting & Scientific Sessions, Prague, Czech Republic – April 19, 2012.
- Yadlapati A, Kelly RB. Correlation of a novel non-invasive tissue oxygen saturation monitor to serum central venous oxygen saturation in pediatric congenital cyanotic heart disease patients following a cardiac surgical procedure (Abstract #8610). American College of Cardiology 61<sup>st</sup> Annual Scientific Session and ACC-i2 with TCT, Chicago, IL – March 25, 2012.
- Taylor R, Saikali D, Kelly R. Indirect calorimetry as a means of assessing the nutritional status of patients in the pediatric intensive care unit. Society of Critical Care Medicine, 40<sup>th</sup> Critical Care Congress, San Diego, CA – January 15-19, 2011.
- Kelly RB, Porter PA, Meier AH, Myers JL, Thomas NJ. Duration of cardiopulmonary resuscitation before extracorporeal rescue: How long is not long enough? First International Conference on Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion, Hershey, PA – May 20, 2005.

### **Poster Presentations**

- Melas A, Jackson N, Kelly R. Non-superiority of a simulator curriculum in improving pediatric resident PIV line placement skills (Abstract #1521.12). Pediatric Academic Societies Annual Meeting, San Francisco, CA – May 6, 2017.
- Guglielmo R, Gustafson S, Fong K, Kelly R, Dudovitz R. Using simulation to assess the competency of graduating medical students to perform the entrustable professional activities of a pediatric intern. Association of Pediatric Program Directors 2017 Annual Meeting. Anaheim, CA – April 7, 2017.
- Punchak M, Hall K, Seni A, Kelly R, DeUgarte D, Hartford E, Muando V. Pediatric critical care academic partnership at an urban teaching hospital in Mozambique (Abstract #023). 8<sup>th</sup> World Congress on Pediatric Intensive and Critical Care, Toronto, Canada – June 8, 2016.
- Lewis R, Kelly R, Federman M. Factors affecting vancomycin use in the pediatric intensive care unit (Abstract #750422). Pediatric Academic Societies Annual Meeting, Baltimore, MD – May 2, 2016.
- Yu P, Jackson N, Kelly R. Enhanced simulation provides effective inter-professional pediatric resuscitation training (Abstract #752714). Pediatric Academic Societies Annual Meeting, Baltimore, MD – April 30, 2016.
- Pineda C, Grogan T, Zaritsky J, Kelly R. Perioperative renal replacement therapy experience in pediatric

orthotopic liver transplantation (Abstract #752492). Pediatric Academic Societies Annual Meeting, Vancouver, BC, Canada – May 4, 2014.

- Yu P, Grogan T, Kelly R. Mobile high-fidelity simulation provides effective resuscitation training for pediatric residents (Abstract #750331). Pediatric Academic Societies Annual Meeting, Vancouver, BC, Canada – May 4, 2014.
- Hartford E, Chicamba V, Santos-Ritchie P, Nhantumbo C, Rodrigues L, Bell H, Kelly R. Partnering to provide relevant and sustainable pediatric resuscitation training at the Central Hospital in Maputo, Mozambique (Abstract #754069). Pediatric Academic Societies Annual Meeting, Vancouver, BC, Canada – May 3, 2014.
- Namjoshi S, Peters E, Grogan T, Elashoff D, Kelly R. Pediatric sepsis comfort and knowledge: why curriculum change is needed (Abstract #751449). Pediatric Academic Societies Annual Meeting, Washington, DC – May 5, 2013.
- Pineda C, Zaritsky J, Venick R, Grogan T, Elashoff D, Kelly RB. Renal replacement therapy in pediatric small bowel transplantation patients: outcomes and survival predictors from one pediatric intensive care unit (Abstract #: 751512). Pediatric Academic Societies Annual Meeting, Washington, DC – May 6, 2013.
- Pineda C, Zaritsky J, Venick R, Kelly RB. The use of renal replacement therapy in pediatric small bowel transplantation patients: Experience and outcomes from one pediatric intensive care unit. – 1st International Symposium on AKI in Children at the 7th International Conference on Pediatric Continuous Renal Replacement Therapy, Cincinnati, OH – September 27-30, 2012.
- Yadlapati A, Kelly RB. Correlation of a novel non-invasive tissue oxygen saturation monitor to serum central venous oxygen saturation in pediatric congenital cyanotic heart disease patients following a cardiac surgical procedure (Abstract #755076). Pediatric Academic Societies Annual Meeting, Boston, MA – April 30, 2012.
- Su J, Kelly RB, Alejos JC. Extracorporeal membrane oxygenation support after pediatric heart transplantation: Long-term survival trends (Abstract #754209). Pediatric Academic Societies Annual Meeting, Boston, MA – April 30, 2012.
- Su J, Kelly RB, Alejos JC. Extracorporeal membrane oxygenation support after pediatric heart transplantation: Predictors of survival to hospital discharge (Abstract #754237). Pediatric Academic Societies Annual Meeting, Boston, MA – April 30, 2012.
- Su J, Kelly RB, Alejos JC. Extracorporeal membrane oxygenation support after pediatric heart transplantation (Abstract #753985). Pediatric Academic Societies Annual Meeting, Boston, MA – April 30, 2012.
- Wen A, Mitton B, Kelly R. Chryseomonas luteola bacteremia in a patient on chronic treprostinil therapy. Society of Critical Care Medicine, 41<sup>st</sup> Critical Care Congress, Houston, TX – February 4-8, 2012.

### **Editorial Service to Scholarly Publication**

- Frontiers Pediatrics – July 2017.
- Academic Pediatrics – August 2016.
- Pediatrics – May 2012, September 2013 and December 2013.
- Circulation – May 2010.

### **Invited Reviewer**

- Abstract Reviewer – Pediatric Academic Societies Meeting 2017– January 2017.
- Abstract Reviewer – 46<sup>th</sup> Critical Care Congress – Society of Critical Care Medicine – August 2016.
- Abstract Reviewer – 45<sup>th</sup> Critical Care Congress – Society of Critical Care Medicine – August 2015.

### **Invited Lectures**

- *Pediatric Sepsis – Emergency Department Management* – Antelope Valley Hospital – June 27, 2017.
- 2016 PREP The Course – American Academy of Pediatrics – *Emergency Medicine/Critical Care/Injuries and Poisoning* – Kansas City, MO – February 28-29, 2016.
- *Transfer, Transport and Inpatient Highlights* – Living with PAH – Family Day – Mattel Children's Hospital UCLA, Los Angeles, CA – November 21, 2015.
- *Bariatric Transport* – Los Angeles Area Pediatric Critical Care Symposium – Mattel Children's Hospital UCLA, Los Angeles, CA – October 28, 2015.
- *SIRS and Inflammatory Mediator Effects* – Peds/PICU Nursing Sepsis Program – Mattel Children's

- Hospital UCLA, Los Angeles, CA – September 9, 2014.
- *Pulmonary Arterial Hypertension: What Is It and How Do We Diagnose It?* – UCLA Department of Nursing-Pediatrics – UCLA Medical Center, Los Angeles, CA – Pulmonary Arterial Hypertension in Pediatrics – March 25, 2014.
- *Pediatric Sepsis – UCLA Experience* – UCLA Medical Center, Los Angeles, CA – Sepsis Day – September 13, 2013 (presentation co-created with Diana Savitzky, MD).
- *Pediatric CPR – Current Trends and Evidence* – Department of Pediatrics, David Geffen School of Medicine at UCLA, Los Angeles, CA – Grand Rounds – September 6, 2013.
- *Critical Care Solutions* – Pune, India – January 25, 2012.
- *Pediatric CPR – Beyond the Algorithms* – California Pediatric Emergency Care Conference, Avalon, Catalina Island, CA – September 16, 2011.
- *Pediatric CPR – Beyond the Algorithms* – Penn State Milton S. Hershey Medical Center, Department of Pediatrics, Hershey, PA – Grand Rounds – April 19, 2011.
- *Mechanical Ventilation* – Penn State Milton S. Hershey Medical Center, Department of Pediatrics, Hershey, PA – Pediatric Residency Noon Conference – April 19, 2011.
- *Pros and Cons of Doing a Fellowship, Is There Life after Pediatric Residency?*, 30<sup>th</sup> Resident Business Meeting, American Academy of Pediatrics, California Chapter 2, Kaiser Permanente West Los Angeles, Los Angeles, CA – February 1, 2008.

### **Grant**

- Spectros Corporation – Number 20100943 – Principal Investigator – IRB #11-000521 – \$7500 – May 8, 2010-2013.

### **Medical Student Education**

- Foundations for Internship – David Geffen School of Medicine at UCLA – UCLA Simulation Center – 2016 Academic Year.
- Foundations of Medicine II – David Geffen School of Medicine at UCLA – UCLA Simulation Center – 2016 Academic Year.
- Foundations of Medicine II – David Geffen School of Medicine at UCLA – UCLA Simulation Center – 2015 Academic Year.

### **Pediatric Residency Education**

- Facilitated mobile UCLA Simulation Center session for the UCLA Pediatric Residency Program – Mattel Children's Hospital UCLA – November 8, 2012, December 10, 2012, April 8, 2013, June 17, 2013, July 29, 2013, August 1, 2013, November 18, 2013 and January 7, 2014.
- Facilitated UCLA Simulation Center session for the UCLA Pediatric Residency Program – UCLA Simulation Center – February 9, 2010, February 18, 2010, March 9, 2010, April 15, 2010, April 29, 2010, June 3, 2010, June 17, 2010, August 5, 2010, August 19, 2010, September 2, 2010, October 7, 2010, October 21, 2010, November 4, 2010, December 16, 2010 (two sessions), January 13, 2011, March 3, 2011, March 10, 2011, April 7, 2011, April 21, 2011, May 5, 2011, June 9, 2011, June 16, 2011, July 21, 2011, August 15, 2011, October 20, 2011, November 7, 2011, December 15, 2011, February 9, 2012, April 9, 2012, June 18, 2012, September 6, 2012, November 1, 2012, December 20, 2012, January 11, 2013, March 1, 2013, June 14, 2013, August 9, 2013, November 22, 2013, February 24, 2014, April 7, 2014, May 22, 2014, December 18, 2015, October 6, 2016, November 3, 2016, March 9, 2017, April 27, 2017, June 8, 2017 and August 8, 2017.
- Co-facilitated UCLA Simulation Center sessions for the UCLA Pediatric Residency Program – UCLA Simulation Center – September 8, 2009, September 22, 2009, August 11, 2016 and August 18, 2016.
- Mock Code Instructor – Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – May 10, 2007, June 7, 2007, August 9, 2007, June 12, 2008, August 14, 2008, September 4, 2008, December 4, 2008, January 29, 2009, April 9, 2009, April 16, 2009, May 21, 2009, June 11, 2009, July 1, 2009, July 30, 2009, August 6, 2009, August 13, 2009, September 3, 2009, September 10, 2009, December 17, 2009, January 7, 2010, January 28, 2010, February 11, 2010, March 4, 2010, March 11, 2010, April 22, 2010, April 29, 2010, May 6, 2010, June 3, 2010, July 8, 2010, August 5, 2010, October 7, 2010, November 4, 2010, January 13, 2011, March 3, 2011, March 10, 2011, April 7, 2011, May 12, 2011, June 9, 2011, June 23, 2011, July 7, 2011, August 15, 2011, September 1, 2011, September 22, 2011, October

13, 2011, November 7, 2011, December 12, 2011, January 5, 2012, February 2, 2012, February 9, 2012, March 29, 2012, April 17, 2012, May 10, 2012, May 31, 2012, June 14, 2012, July 12, 2012, August 30, 2012, October 4, 2012, October 11, 2012, November 1, 2012, February 7, 2013, March 14, 2013, March 28, 2013, February 19, 2014, March 18, 2014 and April 3, 2014.

- Lectures

- *Mechanical Ventilation*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – July 12, 2013.
- *International Pediatric Critical Care Missions – Challenges and Highlights*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – February 15, 2013.
- *Mechanical Ventilation*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – August 14, 2012.
- *Pediatric CPR – Beyond the Algorithms*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – July 8, 2011.
- *Mechanical Ventilation*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – July 7, 2011.
- *Burns and Associated Respiratory Complications in Pediatrics*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – August 19, 2010.
- *Mechanical Ventilation*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – June 30, 2010.
- *Foreign Body Aspiration*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – May 19, 2010.
- *Burns and Associated Respiratory Complications in Pediatrics*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – May 19, 2010.
- *Mechanical Ventilation*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – August 12, 2009.
- *CPR Update* – Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – June 26, 2009.
- *Burns and Associated Respiratory Complications in Pediatrics*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – June 11, 2009.
- *Blood Gas Interpretation*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – May 11, 2009.
- *Foreign Body Aspiration*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – May 11, 2009.
- *Mechanical Ventilation*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – February 24, 2009.
- *Burns and Associated Respiratory Complications in Pediatrics*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – March 10, 2008.
- *Foreign Body Aspiration*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – March 10, 2008.
- *Endocarditis*, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – March 9, 2007.

### **Pediatric Transport Team Education**

- Facilitated UCLA Simulation Center intubation training session for the Pediatric Transport Team respiratory therapists – UCLA Simulation Center – July 28, 2015, September 11, 2015 and March 10, 2017.
- *SIRS and Inflammatory Mediator Effects* – Peds/PICU Nursing Sepsis Program – Mattel Children's Hospital UCLA, Los Angeles, CA – September 9, 2014.
- *Management of Cardiac Lesions During Pediatric Transport* – Mattel Children's Hospital UCLA, Los Angeles, CA – July 8, 2014.
- *Intubation on Transport – Clinical Pearls* – Mattel Children's Hospital UCLA, Los Angeles, CA – January 8, 2013.
- Facilitated UCLA Simulation Center session for the Pediatric Transport Team – UCLA Simulation Center – April 8, 2011, April 2, 2012, April 13, 2012, November 30, 2012, April 22, 2013 and June 14, 2013.
- Pediatric Transport Team Journal Club – “Should parents accompany pediatric interfacility ground ambulance transports? Results of a national survey of pediatric team managers.” (Woodward GA, Fleegler EW. *Pediatr Emerg Care* 2001 17:22-27) – Mattel Children's Hospital UCLA, Los Angeles, CA –

- September 14, 2010.
- Pediatric Airway Management Skills Lab – Respiratory Therapy, UCLA Simulation Center, Mattel Children’s Hospital UCLA, Los Angeles, CA – May 6, 2010.
- *CPR Update (Part 2)* – Mattel Children’s Hospital UCLA, Los Angeles, CA – October 13, 2009.
- *Diabetic Ketoacidosis* – Mattel Children’s Hospital UCLA, Los Angeles, CA – August 11, 2009.
- *CPR Update (Part 1)* – Mattel Children’s Hospital UCLA, Los Angeles, CA – June 9, 2009.
- Mock Code Instructor – Pediatric Transport Team Skills Day, Mattel Children’s Hospital UCLA, Los Angeles, CA – May 13, 2009.
- Intraosseous Needle Placement (in-service) – Pediatric Transport Team Skills Day, Mattel Children’s Hospital UCLA, Los Angeles, CA – May 13, 2009.
- Mock Code Instructor – Pediatric Transport Team Skills Day, Mattel Children’s Hospital UCLA, Los Angeles, CA – April 30, 2009.
- Intraosseous Needle Placement (in-service) – Pediatric Transport Team Skills Day, Mattel Children’s Hospital UCLA, Los Angeles, CA – April 30, 2009.
- Rhythm Recognition (in-service) – Mattel Children’s Hospital UCLA, Los Angeles, CA – February 10, 2009.
- Pediatric Transport Team Journal Club – “To intubate or not to intubate? Transporting infants of prostaglandin E1” (Meckler G, Lowe C. Pediatrics 2009;123(1):e25-e30) – Mattel Children’s Hospital UCLA, Los Angeles, CA – January 13, 2009.
- *Status Epilepticus in Pediatric Practice*, Pediatric Transport Team, Mattel Children’s Hospital UCLA, Los Angeles, CA – September 9, 2008.

### **Pediatric Fellowship Education**

- Facilitated UCLA Simulation Center for the Department of Pediatrics, Division of Critical Care and Cardiology fellow physicians – UCLA Simulation Center – August 17, 2017.
- Co-facilitated UCLA Simulation Center Boot Camp for the Department of Pediatrics, Division of Critical Care and Cardiology fellow physicians – UCLA Simulation Center – July 7, 2017.
- Co-facilitated Pediatric ECMO Mock Code and Skills Lab for the Department of Pediatrics, Division of Cardiology and Division of Critical Care – Ronald Reagan UCLA Medical Center – May 3, 2017.
- Facilitated UCLA Simulation Center session for the Department of Pediatrics, Division of Critical Care fellow physicians – UCLA Simulation Center – October 28, 2016.
- Co-facilitated UCLA Simulation Center Boot Camp for the Department of Pediatrics, Division of Critical Care fellow physicians – UCLA Simulation Center – July 6, 2016.
- *Lifelong Learning and MOC* – Facilitated with Dr. Clarence Braddock, Dr. Lee Miller and Dr. Kate Perkins – Pediatric Fellowship Core Curriculum Lecture Series – Department of Pediatrics, Mattel Children’s Hospital UCLA – April 16, 2015.
- *The Ethics of Vaccines and Calling an Ethics Consult* – Facilitated with Dr. Irwin Weiss – Pediatric Fellowship Core Curriculum Lecture Series – Department of Pediatrics, Mattel Children’s Hospital UCLA – February 12, 2015.
- Facilitated UCLA Simulation Center session and skills session for the Department of Pediatrics, Division of Critical Care fellow physicians – UCLA Simulation Center – November 22, 2013, February 10, 2014, May 23, 2014, November 14, 2014, November 28, 2016, March 10, 2017, May 12, 2017 and June 8, 2017.
- Facilitated UCLA Simulation Center skills session for the Department of Pediatrics, Division of Critical Care fellow physicians – UCLA Simulation Center – May 12, 2011, July 6, 2012, November 30, 2012, June 14, 2013, February 27, 2015, September 11, 2015, November 13, 2015, August 5, 2016 and September 2, 2016.
- Co-facilitated UCLA Simulation Center skills session for the Department of Pediatrics, Division of Critical Care fellow physicians – UCLA Simulation Center – March 1, 2013.
- Co-facilitated UCLA Simulation Center session for the Department of Pediatrics, Division of Critical Care first-year fellow physicians – UCLA Simulation Center – July 6, 2010.
- **Member** – Core Curriculum Committee – Mattel Children’s Hospital UCLA, Los Angeles, CA – July 2009-Present.

### **Pediatric Hospitalist Education**

- Facilitated UCLA Simulation Center session for the Department of Pediatrics, Division of Hospital



Medicine – UCLA Simulation Center – December 5, 2011, October 21, 2013, December 16, 2013, February 17, 2015 and August 10, 2015.

### **Medical Student Education**

- *Pediatric Resuscitation* – MS2 Clinical Skills Part 1 – David Geffen School of Medicine at UCLA – August 23-25, 2016.
- *Pediatric Resuscitation* – MS2 Clinical Skills Part 1 – David Geffen School of Medicine at UCLA – August 26-27, 2015.

### **Webinar**

- Co-Presenter, Moderator – *The Use of Waveform Capnography During Neonatal and Pediatric Transport* – September 7, 2016.

### **Lectures**

- *Blood Gas Interpretation*, Peds/PICU New Graduate Nurse Class, Mattel Children's Hospital UCLA, Los Angeles, CA – May 18, 2017
- *Cardiopulmonary Physiology*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – July 7, 2016.
- *Blood Gas Interpretation*, Peds/PICU New Graduate Nurse Class, Mattel Children's Hospital UCLA, Los Angeles, CA – April 25, 2016.
- Facilitated pediatric basic life support training for nurses – Department of Pediatrics, Hospital Central, Maputo, Mozambique – March 7-8, 2016.
- Co-facilitated pediatric emergency and critical care medicine training for regional pediatric physicians – Department of Pediatrics, Hospital Central, Maputo, Mozambique – March 9-11, 2016.
  - Training included poisonings, sepsis, trauma, ultrasound and mock scenarios
- *Cardiopulmonary Physiology*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – September 29, 2015.
- *Blood Gas Interpretation*, Peds/PICU New Graduate Nurse Class, Mattel Children's Hospital UCLA, Los Angeles, CA – September 29, 2015.
- *Blood Gas Interpretation*, Peds/PICU New Graduate Nurse Class, Mattel Children's Hospital UCLA, Los Angeles, CA – April 22, 2015.
- Facilitated modified Pediatric Advanced Life Support course – Department of Pediatrics, Hospital Regional de Loreto, Iquitos, Peru – March 11-13, 2015
- *Ethics in the PICU*, PICU/PCTU Nursing Staff Meeting, Mattel Children's Hospital UCLA, Los Angeles, CA – February 25, 2015, March 3, 2015 and March 25, 2015
- *Mechanical Ventilation*, Department of Pediatrics, Hospital Central, Maputo, Mozambique – October 2, 2014
- *Family-Centered Care in the PICU*, Department of Pediatrics, Hospital Central, Maputo, Mozambique – October 1, 2014
- *Ethics in the PICU – Mozambique*, Department of Pediatrics, Hospital Central, Maputo, Mozambique – October 1, 2014
- Co-facilitated modified Pediatric Advanced Life Support course – Department of Pediatrics, Hospital Central, Maputo, Mozambique – September 30-October 2, 2014
- *Cardiopulmonary Physiology*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – August 28, 2014.
- *Status Epilepticus in Pediatric Practice*, Department of Pediatrics, Hospital Regional de Loreto, Iquitos, Peru – March 13, 2014
- *Mechanical Ventilation*, Department of Pediatrics, Hospital Regional de Loreto, Iquitos, Peru – March 11, 2014
- *Burns and Associated Respiratory Complications in Pediatrics*, Department of Pediatrics, Hospital Central, Maputo, Mozambique – November 7, 2013
- Status Epilepticus in Pediatric Practice, Department of Pediatrics, Hospital Central, Maputo, Mozambique – November 5, 2013
- *Mechanical Ventilation*, Department of Pediatrics, Hospital Central, Maputo, Mozambique – November 6, 2013

- Co-facilitated modified Pediatric Advanced Life Support course – Department of Pediatrics, Hospital Central, Maputo, Mozambique – November 4, 2013 and November 8, 2013
- *Cardiopulmonary Physiology*, Department of Pediatrics, Division of Cardiology, Mattel Children's Hospital UCLA, Los Angeles, CA – August 27, 2013.
- *Cardiopulmonary Physiology*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – July 30, 2013.
- *Introduction to Pediatric ECMO and Cardiac ECMO*, Neonatal ECMO Course, Mattel Children's Hospital UCLA, Los Angeles, CA – October 31, 2012.
- *Blood Gas Interpretation*, Peds/PICU New Graduate Nurse Class, Mattel Children's Hospital UCLA, Los Angeles, CA – September 4, 2012.
- *Cardiopulmonary Physiology*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – August 21, 2012.
- Facilitated UCLA Simulation Center session for the Division of Hospital Medicine, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – UCLA Simulation Center – December 5, 2011.
- *Pediatric CPR – Beyond the Algorithms*, Division of Hospital Medicine, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – October 19, 2011.
- *Introduction to Pediatric Extracorporeal Membrane Oxygenation*, ECMO Class for PICU/NICU Nurses, Mattel Children's Hospital UCLA, Los Angeles, CA – October 17, 2011.
- *Blood Gas Interpretation*, Peds/PICU New Graduate Nurse Class, Mattel Children's Hospital UCLA, Los Angeles, CA – September 19, 2011.
- *Introduction to Pediatric Extracorporeal Membrane Oxygenation*, Department of Pathology and Laboratory Medicine, Division of Laboratory Medicine, Transfusion Medicine, UCLA Health System, Los Angeles, CA – August 2, 2011.
- *Introduction to Pediatric Extracorporeal Membrane Oxygenation*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – July 7, 2011.
- *Introduction to Pediatric Extracorporeal Membrane Oxygenation*, Department of Pathology and Laboratory Medicine, Division of Laboratory Medicine, Transfusion Medicine, UCLA Health System, Los Angeles, CA – June 20, 2011.
- *Pediatric CPR – Beyond the Algorithms*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – May 5, 2011 (Part I) and May 12, 2011 (Part II).
- *Blood Gas Interpretation*, Peds/PICU Level I Respiratory Class, Mattel Children's Hospital UCLA, Los Angeles, CA – March 7, 2011.
- *Cardiopulmonary Physiology*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – March 3, 2011.
- *Blood Gas Interpretation*, Peds/PICU Level I Respiratory Class, Mattel Children's Hospital UCLA, Los Angeles, CA – February 28, 2011.
- *Introduction to Pediatric Extracorporeal Membrane Oxygenation*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – July 7, 2010.
- *Biostatistics II*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – May 20, 2010.
- *Biostatistics I*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – May 6, 2010.
- *Pediatric Pulmonary Hypertension*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – March 9, 2010.
- *Pediatric Pulmonary Hypertension*, Department of Pediatrics, Division of Immunology, Allergy and Rheumatology, Mattel Children's Hospital UCLA, Los Angeles, CA – February 18, 2010.
- *Cardiopulmonary Physiology*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – November 12, 2009.
- *Mechanical Ventilation*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – August 6, 2009.
- *Burns and Associated Respiratory Complications in Pediatrics*, Nursing Trauma II Class, Mattel Children's Hospital UCLA, Los Angeles, CA – June 30, 2009.
- *Non-Invasive Monitoring of Fluid and Transfusion Management* – Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – April 28, 2009.
- *CPR Update* – Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – April 28, 2009.

- Angeles, CA – March 26, 2009.
- *Blood Gas Interpretation*, PICU New Graduate Nurse Class, Mattel Children's Hospital UCLA, Los Angeles, CA – August 22, 2008.
- *Outcome Predictors of Pediatric Extracorporeal Cardiopulmonary Resuscitation*, Research Series – Work in Progress, Mattel Children's Hospital UCLA, Los Angeles, CA – May 8, 2008.
- *Pericardial Physiology and Pericarditis*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – April 24, 2008.
- *Ventilator Modes and Settings*, PICU New Graduate Nurse Class, Mattel Children's Hospital UCLA, Los Angeles, CA – April 1, 2008.
- *Pediatric Viral Myocarditis*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – November 28, 2007.
- *Foreign Body Aspiration*, Nursing Level I Respiratory Class, Mattel Children's Hospital UCLA, Los Angeles, CA – May 1, 2007, May 21, 2007 and January 14, 2008.
- *Burns and Associated Respiratory Complications*, Nursing Level II Pediatric Trauma Day, Mattel Children's Hospital UCLA, Los Angeles, CA – July 17, 2007.
- *Status Epilepticus in Pediatric Practice*, Nursing Level II Neurology Class, Mattel Children's Hospital UCLA, Los Angeles, CA – January 17, 2007.
- *Endocarditis*, Department of Pediatrics, Division of Critical Care, Mattel Children's Hospital UCLA, Los Angeles, CA – April 20, 2006.
- *CPC – An Unknown Case*, Grand Rounds, Department of Pediatrics, Penn State Milton S. Hershey Medical Center, Hershey, PA – April 26, 2005.
  - Discussed the diagnosis of and the treatment for Gaucher disease.

### **Awards**

- **UCLA Chief Resident Award** – June 17, 2010.
  - Awarded by the Mattel Children's Hospital UCLA's Chief Residents for commitment to resident education.
- **Clinical Teaching Award** – 2007-2008.
  - Awarded by Mattel Children's Hospital UCLA's pediatric residents in recognition of teaching excellence in the Housestaff Training Program.
- **Resident Teaching Award** – June 2005.
  - Recognized by peers as an outstanding teacher in the Department of Pediatrics, Penn State Milton S. Hershey Medical Center, Hershey, PA.
- **Arthur P. Gold Foundation's Humanism and Excellence in Teaching Award** – June 2004.
  - Awarded by the Penn State College of Medicine's Class of 2005.
  - Awarded to six residents who have exhibited strong teaching skills and are role models for compassionate, relationship-centered care.
- **Outstanding First-Year Resident in the Department of Pediatrics** – June 2003.
  - Awarded by the faculty of the Department of Pediatrics, Penn State Milton S. Hershey Medical Center, Hershey, PA.

### **Certifications and Memberships**

- **Diplomate** – Pediatric Critical Care Medicine, American Board of Pediatrics, November 17, 2008 (Meeting the Requirements of Maintenance of Certification).
- **Diplomate** – General Pediatrics, American Board of Pediatrics, November 1, 2005 (Meeting the Requirements of Maintenance of Certification).
- **Fellow** – American Academy of Pediatrics – 2008-Present.
- **Simulation Instructor** – Training Course – UCLA Simulation Center – July 23-24, 2009.
- **Fellow Member** – Section on Transport Medicine, American Academy of Pediatrics.
- **Member** – Society of Critical Care Medicine.
- **Member** – Pediatric Section, Society of Critical Care Medicine.
- **Licensed Physician** – Medical Board of California.
- **Registered Physician** – Drug Enforcement Administration.
- Completed and passed the **USMLE Step 1, Step 2 and Step 3**.
- **Provider** – Pediatric Advanced Life Support Program, American Academy of Pediatrics.

- **Provider** – Neonatal Resuscitation Program, American Academy of Pediatrics.
- **Disaster Healthcare Volunteer** – Los Angeles County Surge Unit – Sworn in April 15, 2016.

### **Board Membership**

- **Group Practice Executive Board** – Department of Pediatrics, David Geffen School of Medicine at UCLA – Elected term: July 2015-June 2019.
- **Medical Advisory Board** – The Painted Turtle – Lake Hughes, CA – May 24, 2010-Present.

### **Employment and Volunteer Activities**

- **Camp Physician** – The Painted Turtle – Hemophilia/vWD and Thalassemia Summer Session – Lake Hughes, CA – July 28-August 2, 2014.
- **Medical Expert** – Legal Consulting – 2012-Present.
- **Volunteer Physician** – Hearts with Hope Foundation – San Salvador, El Salvador – July 21-27, 2013.
- **Volunteer Physician** – Hearts with Hope Foundation – Arequipa, Peru – April 29-May 3, 2013.
- **Volunteer Physician** – Hearts with Hope Foundation – San Salvador, El Salvador – July 23-28, 2012.
- **Camp Physician** – The Painted Turtle – Kidney Disease and Transplant Session – Lake Hughes, CA – June 23-25, 2012.
- **Camp Physician** – The Painted Turtle – Inhibitors Family Weekend – Lake Hughes, CA – April 13-15, 2012.
- **Intensive Care Unit Team Leader (Acting), Volunteer Physician** – Hearts with Hope Foundation – Arequipa, Peru – October 22-November 5, 2011.
- **Volunteer Physician** – Hearts with Hope Foundation – San Salvador, El Salvador – July 10-16, 2011.
- **Camp Physician** – The Painted Turtle – Liver Session – Lake Hughes, CA – June 12-15, 2011.
- **Volunteer Physician** – Hearts with Hope Foundation – Arequipa, Peru – September 26-October 1, 2010.
- **Camp Physician** – The Painted Turtle – Hemophilia Session – Lake Hughes, CA – August 6-11, 2010.
- **Member** – ECMO Committee, UCLA Medical Center, Los Angeles, CA – June 8, 2010-Present.
- **Camp Physician** – The Painted Turtle – Spina Bifida Family Weekend – Lake Hughes, CA – April 23-25, 2010.
- **Member** – Pediatric/Emergency Medicine Committee, UCLA Medical Center, 2010-Present.
- **Question-Writer** – Pediatric Critical Care Medicine Examination, The American Board of Pediatrics, October 2009.
- **Camp Physician** – The Painted Turtle – Rheumatic Disease Session – Lake Hughes, CA – July 6-July 10, 2009.
- **Camp Physician** – The Painted Turtle – Rheumatic Disease Family Weekend – Lake Hughes, CA – April 17-19, 2009.
- **Question-Writer** – Program for Maintenance of Certification in Pediatrics Examination, The American Board of Pediatrics, December 2007, January 2009 and January 2010.
- **Residency Program Interviewer** – Mattel Children's Hospital UCLA – Los Angeles, CA – December 16, 2008, January 14, 2009, January 26, 2010 and January 27, 2010.
- **Camp Physician** – The Painted Turtle – Asthma Family Weekend #1 – Lake Hughes, CA – October 3-October 5, 2008.
- **Camp Physician** – The Painted Turtle – Diabetes Session – Lake Hughes, CA – August 18-August 22, 2008.
- **Camp Physician** – The Painted Turtle – Diabetes Session – Lake Hughes, CA – August 17-August 21, 2007.
- **Camp Physician** – The Painted Turtle – Diabetes Session – Lake Hughes, CA – August 16-August 20, 2006.
- **Physician** – Pediatric Critical Care Transport Team, Department of Pediatrics, Mattel Children's Hospital UCLA, Los Angeles, CA – April 2006-Present.
  - Experienced in NICU and PICU ground and air medical transport.
- **Camp Physician** – Camp Can-Do II – American Cancer Society, Mount Gretna, PA – June 4-June 5, 2005.
- **Camp Physician** – Camp Can-Do – American Cancer Society, Mount Gretna, PA – July 31-August 7, 2004.
- **Pediatric Residency Advisory Committee Representative** – Department of Pediatrics, Penn State Milton S. Hershey Medical Center, Hershey, PA – September 2003-June 2005.

- Represented fellow residents and advised the Pediatric Residency Program Director.
- **Pediatric Undergraduate Education Committee Member** – Department of Pediatrics, Penn State Milton S. Hershey Medical Center, Hershey, PA – June 2003-June 2005.
  - Worked with the Pediatric Clerkship Director to strengthen the Penn State College of Medicine's pediatric clerkship.
- **Research Assistant** – Bioprocess Research and Development, Merck Research Laboratories, Merck & Co., Inc., Rahway, NJ – October 1997-May 1998.
  - Participated in researching the optimization of pharmaceutical synthesis.
  - Performed laboratory research, documented research findings, composed research reports and presented research achievements to colleagues at periodic meetings.
  - Obtained experience in high-performance liquid chromatography, organic isolation, column chromatography and protein purification.
- **Resident Assistant Council Representative** – Georgetown University, Washington, DC – September 1996-December 1996.
  - Attended periodic meetings with a senior Residence Life staff member and fellow Resident Assistants to focus on improving residence life at Georgetown University.
- **Resident Assistant** – Georgetown University, Washington, DC – August 1996-May 1997.
  - Selected to serve as a counselor for freshman students.
  - Developed extracurricular programs.