

CURRICULUM VITAE

A. Personal Information

Name	Eugene Sungkyun Kim, MD
Business Address	Children's Hospital Los Angeles Division of Pediatric Surgery 4650 Sunset Blvd, #100 Los Angeles, CA 90027
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B. Education

High School	Phillips Academy, Andover, MA, 1988
College or University	Harvard University, Cambridge, MA, AB (Biochemical Sciences), Cum Laude, 1992
Medical School	Columbia University College of Physicians & Surgeons, New York, NY, MD, 1996
Residency	New York-Presbyterian Hospital, Columbia University Medical Center (General Surgery), New York, NY, July 1996–June 2003 Administrative Chief Resident, July 2002–June 2003 Dr. Mark Hardy, program director.
Research Fellowship	Tumor Biology Laboratory, New York-Presbyterian Hospital, Babies Hospital, New York, NY, July 1999–June 2001

Clinical Fellowship	Dr. Jessica Kandel and Dr. Darrell Yamashiro, directors. Extracorporeal Membrane Oxygenation (ECMO) Fellowship, New York-Presbyterian Hospital, Babies Hospital, New York, NY, July 1999–June 2001
Fellowship	Dr. Charles Stolar, director. Pediatric Surgery Fellowship, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, July 2003–June 2005 Dr. Brad Warner, program director.
Honors and Awards	Harvard College Scholarship, Harvard University, 1991. Richard Perkins Parker Scholarship, Harvard University, 1992. Graduated <i>cum laude</i> Biochemical Sciences, Harvard University, 1992. J.T. Tai Foundation Scholarship, Columbia University, 1992-1996. Resident Research Competition, 2 nd place, Department of Surgery, Columbia-Presbyterian Medical Center, 2001. American Academy of Pediatrics Resident Research Poster Competition, 1 st place, 2001. Blakemore Prize for the best body of research by a graduating chief resident, Department of Surgery, Columbia-Presbyterian Medical Center, 2003. U.S. News and World Report Top Doctors in Pediatric Surgery, 2011-2013 Best Doctors in America, Pediatric Surgery, 2011-present Fulbright & Jaworski L.L.P. Faculty Excellence Award, 2012

Excellence in teaching award in the category of Teaching and Evaluation, Baylor College of Medicine.

Fulbright & Jaworski L.L.P. Faculty Excellence Award, 2013
Excellence in teaching award in the category of Development of Enduring Educational Materials, Baylor College of Medicine.

United States Food and Drug Administration, 2016-present
Appointment as consultant, Gastroenterology and Urology Therapy Devices Panel of the Medical Devices Advisory Committee, Center for Devices and Radiological Health.

Association for Academic Surgery and Taiwan Surgical Association, 2017
Recipient of the Taiwan Surgical Association International Visiting Professorship Award.

Pasadena Magazine, Top Doctors, 2017

Los Angeles Magazine, Top Doctors, 2018

Medical Licensure Number

C128878, California, 2014 (active)
M1831, Texas, 2005, (active)
82659, Ohio, 2003, (inactive)
211183, New York, 1998 (inactive)

Board Certification

General Surgery, American Board of Surgery, #48877, 2004
Re-certification General Surgery, American Board of Surgery, 2013
Pediatric Surgery, American Board of Surgery, #991, 2006
Re-certification Pediatric Surgery, American Board of Surgery, 2015

C. Professional Background

Academic Appointments

Associate Professor of Surgery, Clinical Scholar, Department of Surgery,
Division of Pediatric Surgery, Keck School of Medicine, University of
Southern California, April 2015-present

Associate Professor of Pediatrics, Clinical Scholar, Department of Pediatrics,
Division of Hematology, Oncology, Blood & Marrow Transplantation, Keck
School of Medicine, University of Southern California, August 2017-present

Associate Professor of Clinical Surgery, Department of Surgery, Division of
Pediatric Surgery, Keck School of Medicine, University of Southern
California, May 2014-April 2015

Adjunct Associate Professor of Surgery, Michael E. DeBakey Department of
Surgery, Division of Pediatric Surgery, Baylor College of Medicine, January
2014-present

Associate Professor of Surgery with Tenure, Michael E. DeBakey Department of
Surgery, Division of Pediatric Surgery, Baylor College of Medicine,
November 2013-January 2014

Associate Professor of Pediatrics, Section of Hematology-Oncology, Baylor
College of Medicine, November 2013-January 2014

Assistant Professor of Surgery Tenure Track, Michael E. DeBakey Department of
Surgery, Division of Pediatric Surgery, Baylor College of Medicine, October
2007-November 2013

Assistant Professor of Pediatrics, Section of Hematology-Oncology, Baylor
College of Medicine, November 2007-November 2013

Specific Teaching Responsibilities

Classroom teaching

Small Group Facilitator, Baylor College of Medicine APEX: MS2MD (courses
for graduating 4th year medical students), Teaching 101: Basic concepts,
feedback & evaluation, 2009.

Small Group Facilitator, Baylor College of Medicine APEX: MS2MD, End of
Life 101: Breaking bad news, death pronouncement, communicating
prognosis, 2009.

Small Group Facilitator, Baylor College of Medicine APEX: MS2MD, Common
overnight calls, 2009.

Lecturer, Baylor College of Medicine APEX: MS2MD, Teaching procedural
skills, 2010.

Lecturer, Baylor College of Medicine APEX: MS2MD, Teaching to teach, 2012.

Lecturer, Baylor College of Medicine APEX: MS2MD, Teaching procedures,
2013.

Lecturer, Baylor College of Medicine, Introduction to Clinics (all 2nd year medical students transitioning from classroom to the wards), Introduction to the OR and OR etiquette, 2013.

Faculty small group facilitator, Baylor College of Medicine, Department of Surgery, weekly small group of general surgery residents to review general surgery topics in preparation for ABSITE, 2013.

Clinical teaching

Instructor, Baylor College of Medicine Pediatric Emergency Medicine Department, Simulation and hands-on training for tube thoracostomy placement in children for faculty, 2010.

Instructor, Baylor College of Medicine Pediatric Emergency Medicine Department, Simulation and hands-on training for pigtail catheter thoracostomy placement in children for faculty, 2011.

Instructor, Baylor College of Medicine, Department of Surgery, Simulation lab training for general surgery residents in core techniques for preparation for surgical skills assessment, 2013.

Specific Administrative Responsibilities

Co-chair, Texas Children's Hospital, Operating Room Committee, Houston, TX, 2008-2013

Physician Champion for Department of Surgery for Epic EMR build, implementation, training and execution, Texas Children's Hospital, Houston, TX, 2010-2013

Other: Training and Mentorship

Clinical fellows in pediatric surgery

Texas Children's Hospital:

Akemi Kawaguchi, MD, 2007-2008

Monica Lopez, MD, 2007-2009

Erich Grethel, MD, 2008-2010

Sanjeev Vasudevan, MD, 2009-2011

Lan Vu, MD, 2010-2012

Bethany Slater, MD, 2011-2013

Charles Hartin, MD, 2012-2013

Howard Jen, MD, 2012-2013

Denise Klinkner, MD, 2013

Children's Hospital Los Angeles:

Ulises Garza, MD, 2014 (International Fellow)

Aaron Jensen, MD, 2014-2015

Erik Barthel, MD, 2014-2016

Eveline Shue, MD, 2015-2017

Shannon Castle, MD, 2016-present

Ashley Walther, MD, 2017-present

Clinical fellows in research

Texas Children's Hospital:

Shannon Wai, Pediatric Emergency Medicine Fellow, Scholarship Oversight Committee, 2010-2012

Children's Hospital Los Angeles:

Aaron Yeo, Pediatric Hematology-Oncology Fellow, Scholarship Oversight Committee, 2015-2017

Michael Mallicote, Pediatric Surgery Research Fellow, PhD committee, 2016-2018

Research fellows

Saif Hassan, MD, 2009-2011 (clinical)

Danielle Patterson, MD, 2009-2011 (basic)

Sara Fallon, MD, 2011-2014 (clinical)

Yesenia Rojas, MD, 2011-2014 (clinical)

Anna Lakoma, MD, 2012-2014 (basic)

Jeremy Jackson, MD, 2014-2016 (basic)

Wesley Barry, MD, 2016-2018 (basic)

Michael Zobel, MD, 2018-present (basic)

Abigail Zamora, MD, 2018-present (basic)

Medical students

Jose Diaz-Miron, MD, 2007-2008 (1 full year basic research track)

Andrew Ludwig, MD, 2007-2009 (2 years basic research)

Geraldine Chen, MD, 2009 (basic research)

Brett Johnson, MD, 2009-2011 (basic research)

Shawn Mathur, MD, 2010-2012 (clinical research)

Paris Stowers, 2011-2012 (1 full year basic research track)

Andrew Nordin, 2011-2013 (clinical research)

Alex Young, 2012-2013 (clinical research)

Matthew McVay, 2013 (basic research)

Undergraduate students

Sean Logan Kendrick, University of Texas, Austin, 2008 (basic research)

Bryan Wang, University of Southern California, 2016 (basic research)

Faculty

Texas Children's Hospital Department of Surgery Faculty Mentorship

Bindi Naik-Mathuria, MD, 2013 (Division of Pediatric Surgery)

Baylor College of Medicine Faculty- Teaching Award Mentorship

Ourania Preventza, MD, 2014 (Cardiothoracic Surgery)

Mark Mazziotti, MD, 2014 (Pediatric Surgery)

Andrew Jea, MD, 2014 (Pediatric Neurosurgery)
Gary Binder, MD, 2013 (OB-GYN)
Shayan Izaddoost, MD, 2013 (Plastic and Reconstructive Surgery)
Chris Glover, MD, 2013 (Pediatric Anesthesia)
Wayne Franklin, MD, 2013 (Pediatric Cardiology)
Ashwin Pimpalwar, MD, 2013 (Pediatric Surgery)
Faculty of the BCM Department of Surgery
Faculty of the BCM Division of Pediatric Plastic Surgery
Faculty of the Division of Pediatric Surgery
Faculty of Pediatric Urology

Research Laboratories Trained in Mouse Model of Neuroblastoma

Laboratory of Dr. Jason Shohet, Texas Children's Cancer Center, Baylor College of Medicine, Houston, TX, 2008.
Laboratory of Dr. Jianhua Yang, Texas Children's Cancer Center, Baylor College of Medicine, Houston, TX, 2009.
Laboratory of Dr. Sanjeev Vasudevan, Baylor College of Medicine, Houston, TX, 2011.
Laboratory of Dr. Leonid Metelitsa, Texas Children's Cancer Center, Baylor College of Medicine, Houston, TX, 2012.
Laboratory of Dr. Giselle Sholler, Van Andel Institute, Grand Rapids, MI, 2013.
Laboratory of Dr. Ray Stallings, Royal College of Surgeons in Ireland, Dublin, Ireland, 2013.
Laboratory of Dr. Robert Seeger, Children's Hospital Los Angeles, USC Keck School of Medicine, Los Angeles, CA, 2014.
Laboratory of Dr. Yves DeClerck, Children's Hospital Los Angeles, USC Keck School of Medicine, Los Angeles, CA, 2014.
Laboratory of Dr. Shahab Asgarzadeh, Children's Hospital Los Angeles, USC Keck School of Medicine, Los Angeles, CA, 2014.
Laboratory of Dr. Laurence Cooper, MD Anderson Cancer Center, University of Texas, Houston, TX, 2015.

Post-graduate training and course work

Intuitive Surgical da Vinci Surgical System Training Workshop, Hackensack, NJ, 2002

Anorectal Malformations Workshop, Dr. Alberto Pena, Long Island Jewish Medical Center, New Hyde Park, NY, 2003

Pediatric Minimally Invasive Surgery Course, Buffalo Children's Hospital, Buffalo, NY, 2003

Advanced Pediatric Minimally Invasive Surgery Course, SAGES, Ft. Lauderdale, FL, 2005

Nuss Procedure: Minimally Invasive Correction of Pectus Excavatum Workshop,
Dr. Donald Nuss, Norfolk, VA, 2006

Young Investigators Conference, American College of Surgeons, North Bethesda,
MD, 2008

Advanced Quality Improvement and Patient Safety Program, Texas Children's
Hospital, Houston, TX, 2010

IACUC 101, Office of Laboratory Animal Welfare, University of Texas, MD
Anderson Cancer Center, Houston TX, 2011

Grant Writer's Seminar, Texas Children's Hospital, Houston, TX, 2012

Healthcare Leadership Academy, Children's Hospital Los Angeles and University
of Southern California Keck School of Medicine, Los Angeles, CA, 2016-
2017.

D. Society Memberships

Distinguished

Member, Society of University Surgeons, 2014-present

Professional

Member, American Medical Association, 1998-2007

Member, John Jones Surgical Society, Columbia University, 2003-present

Fellow, American College of Surgeons, 2003-present

Member, American Pediatric Surgical Association, 2005-present

Member, Society of Laparoendoscopic Surgeons, 2005-2009

Texas Medical Association, 2005-2014

Houston Pediatric Society, 2005-2014

Fellow, American Academy of Pediatrics, Section on Surgery, 2007-present

Member, American Association for Cancer Research, 2007-present

Associate Member, Dan L. Duncan Cancer Center, Baylor College of Medicine,
2007-2014

Associate Member, Center for Cell and Gene Therapy, Baylor College of
Medicine, 2008-2014

Member, Children's Oncology Group, 2008-present

Member, Association for Academic Surgery, 2009-present

Member, Advances in Neuroblastoma Research Association, 2014-present

Member, Society of Asian Academic Surgeons, 2014-present

Affiliate Member, USC Norris Comprehensive Cancer Center, Tumor
Microenvironment Program, 2015-present

E. Service

Professional Organizations

National/International

American Academy of Pediatrics, Section on Surgery:

Member, Program Committee, American Academy of Pediatrics, Section on Surgery, 2009-2013

Vice Chair, Program Committee, American Academy of Pediatrics, Section on Surgery, 2012

Chair, Program Committee, American Academy of Pediatrics, Section on Surgery, 2013

Member, Nominating Committee, American Academy of Pediatrics, Section on Surgery, 2011

Member, Membership Committee, American Academy of Pediatrics, Section on Surgery, 2015-2019

Vice Chair, Membership Committee, American Academy of Pediatrics, Section on Surgery, 2015-2016

Chair, Membership Committee, American Academy of Pediatrics, Section on Surgery, 2016-2019

American Pediatric Surgical Association:

Member, Publications Committee, American Pediatric Surgical Association, 2012-2014

Member, Program Committee, American Pediatric Surgical Association, 2015-2018

Member, Informatics and Telemedicine Committee, Social Media Subcommittee, American Pediatric Surgical Association, 2016-2018

Association for Academic Surgery:

Member, Program Committee, Association for Academic Surgery, 2011-2013

Member, Leadership Committee, Association for Academic Surgery, 2014-2016

Nationally elected Councilor, Executive Council, Association for Academic Surgery, 2015-2017

Member, Nominating Committee, Association for Academic Surgery, 2016-2019

Chair, Program Committee, Association for Academic Surgery, 2017-2019

Program Chair, Academic Surgical Congress, 2017-2019

Recorder, Elected Officer, Executive Committee, Executive Council, Association for Academic Surgery, 2017-2019

Society of University Surgeons:

Member, Publications Committee, Society of University Surgeons, 2015-2017

Society of Asian Academic Surgeons:

Member, Program Committee, Society of Asian Academic Surgeons, 2015-2017

Nationally elected Councilor, Executive Council, Society of Asian Academic Surgeons, 2017-2020

Chair, Membership Committee, Society of Asian Academic Surgeons, 2017-2020

American College of Surgeons:

Chair, Pediatric Surgery Program, American College of Surgeons, Southern California Chapter, 2017

Children's Oncology Group:

Member, Liver Committee, 2015-present

John Jones Surgical Society of Columbia University College of Physicians & Surgeons:

Recorder, 2017-2018

INSPIRE Network:

International Network for Simulation-based Pediatric Innovation, Research, and Education (INSPIRE) Network – an international, multi-institutional consortium focused on simulation-based research and education.

Member, Tube Thoracostomy Procedural Development Team, 2014-present

Local

Member, Trauma State of the Science Ad Hoc Committee, Southeast Texas Trauma Regional Advisory Council, (SETTRAC), 2009-2010

Member, Program Advisory Committee for the Surgical Technology Program, Concorde Career College, North Hollywood, CA, 2015-2016

University/Other Committees

Baylor College of Medicine:

Member, Internal steering committee, Baylor College of Medicine, Department of Surgery Molecular Surgeon Research Day, Houston, TX, 2008

Member, Institutional Animal Care and Use Committee (IACUC), Baylor College of Medicine, Houston, TX, 2011-2014

Faculty Judge, Baylor College of Medicine 12th Annual James Alexander Medical Student Research Symposium, Houston, TX 2012

Member, Academy of Distinguished Educators, Baylor College of Medicine, Houston, TX, 2012-2013

Texas Children's Hospital:

Member, Trauma Committee, Texas Children's Hospital, 2007-2013

Member, Trauma Peer Review Committee, Texas Children's Hospital, 2007-2013

Member, ECMO Administrative Committee, Texas Children's Hospital, 2007-2013

Member, Child Protection Committee, Texas Children's Hospital, 2007-2013

Surgical Liaison to the Emergency Department, Texas Children's Hospital, 2007-2013

Member, IRIS Ambulatory Coordinating Council (preliminary committee for EMR development), Texas Children's Hospital, 2008-2010

Member, Hospital-wide ECLS Program Interim Steering Group, 2008-2011

Member, Trauma Task Force Committee, 2008-2011

Co-chair, Operating Room Committee, Texas Children's Hospital, 2008-2013

Member, Utilization Review Committee, Texas Children's Hospital, 2008-2013

Member of numerous Epic Electronic Medical Record implementation committees, Texas Children's Hospital, 2010-2013
Physician Champion for the Department of Surgery, Epic Clinical Content Design
Epic Medical Integration Team
TCH Data Mart System and Epic Interface Project Steering Team
Epic Integrating Council
IRIS Integrated Coordinating Council
Epic Physician Advisory Council
Epic Clinical Information System Council

Member, Care Variation Team, Texas Children's Hospital, 2012-2013

Member, Abstract Committee, Texas Children's Hospital, Department of Surgery,
4th Annual Edmond Gonzales Surgical Research Day, 2013

Elected Member, Medical Executive Committee, Texas Children's Hospital, 2013

Children's Hospital Los Angeles:

Member, Clinical Competency Committee for Pediatric Surgery Critical Care
Fellowship, 2014-present

Member, Clinical Competency Committee for Pediatric Surgery Fellowship,
2016-present

Member, Operating Room Utilization Subgroup, 2014-2016

Member, Conflict of Interest Research Committee, 2015-present

Member, Perioperative Value Analysis Committee, 2016-present

Member, Medical Executive Committee, 2017-present

Member, Executive Committee, Children's Hospital Los Angeles/Keck School of
Medicine Summer Oncology Research Education Program, 2017-present

Member, Physician Champion, EnFit Implementation Committee, 2017

Member, CHLA OR Optimization Project, 2018
Physician Lead, Scheduling/Clinics Workgroup

Other:

Member, Pediatric Peer Review Committee, St. Joseph's Hospital, Houston, TX,
2006-2007

Regional interviewer, Harvard University, Houston, TX, 2007-2013

Regional interviewer, Harvard University, Los Angeles, CA, 2014-present

Regional interviewer, Phillips Academy, Houston, TX, 2011-2013

Regional interviewer, Phillips Academy, Los Angeles, CA, 2014-present

Editorial Boards

Editorial Board Member, *Current Angiogenesis*, 2011-present

Editorial Board Member, *Journal of Hematology and Thromboembolic Diseases*,
2013-present

Review Editor, *Frontiers in Pediatric Surgery*, 2013-2016

Senior Editorial Board Member, *Journal of Pediatrics & Neonatal Care*, 2014-
present

Editorial Board Member, *MOJ Surgery*, 2014-present
Editorial Board Member, *EC Paediatrics*, 2014-present
Editorial Board Member, *International Journal of Hematology Research*, 2014-present
Editorial Board Member, *Journal of Hematology and Blood Disorders*, 2014-present
Editorial Board Member, *Journal of Pediatrics and Child Nutrition*, 2015-present
Chief Editor, Pediatric Surgery, *Medscape, Drugs & Diseases*, 2015-present
Editorial Board Member, *Clinics in Surgery: Pediatric Surgery*, 2016-present
Editorial Board Member, *Clinical Surgery Leaflets- Remedy Open Access*, 2016-present
Associate Editor, *Frontiers in Pediatric Surgery*, 2016-present

Journal Reviews

Journal of Pediatric Surgery, 2009-present
Journal of Surgical Research, 2011-present
Molecular Carcinogenesis, 2011-present
Pediatric Blood and Cancer, 2011-present
International Journal of Cancer, 2012-present
BioMed Central Cancer, 2012-present
Clinical and Experimental Metastasis, 2012-present
Molecular Medicine, 2012-present
Current Cancer Drug Targets, 2012-present
The Anatomical Record, 2012-present
Breast Disease, 2012-present
Laboratory Investigation, 2012-present
Journal of Pediatric Surgery Case Reports, 2013-present
PLOS ONE, 2013-present
Angiogenesis, 2013-present
Journal of Cancer Therapeutics and Research, 2013-present
European Journal of Pediatrics, 2014-present
Surgery, 2014-present
BioMed Central Surgery, 2014-present
Journal of Pediatric Genetics, 2014-present
Biological Research for Nursing, 2014-present
British Medical Journal Case Reports, 2014-present
Molecular Cancer Therapeutics, 2014-present
British Medical Journal Open, 2015-present
Journal of Adolescent and Young Adult Oncology, 2015-present
Endocrine-Related Cancer, 2016-present
Oncotarget, 2016-present
Scientific Reports, 2016-present
Cancer Research, 2016-present
Cancer Letters, 2017-present
JAMA Surgery, 2017-present

Grant Reviews

The Thrasher Research Fund, 2008-2009

National Institutes of Health, Stage 1 Grant Reviewer for RFA-09-003, Recovery Act Limited Competition: NIH Challenge Grants in Health and Science Research (RC1), 2009

Association for Academic Surgery, 2014

- AAS Fall Courses Travel Grant Awards
- AAS/AASF Basic Science Translational Research Awards
- AAS/AASF Clinical/Educational Research Awards
- Joel J. Roslyn, MD Faculty Research Awards

Association for Academic Surgery, 2015

- AAS Fall Courses Travel Grant Awards
- AAS/AASF Student Research Awards
- Joel J. Roslyn, MD Faculty Research Awards

The Dutch Organisation for Health Research and Development (ZonMw), 2016

Association for Academic Surgery, 2016

- AAS Fall Courses Travel Grant Awards
- AAS/AASF Basic Science Translational Research Awards
- Joel J. Roslyn, MD Faculty Research Awards

Department of Defense Congressionally Directed Medical Research Programs for Neuroblastoma, 2016

- Career Development Award
- Idea Award with Special Focus

Georgia Institute of Technology Pediatric Technology Center and Children's Hospital of Atlanta, Emory University, 2017

- Seed Grant Awards

Association for Academic Surgery, 2017

- AAS International Visiting Professorship Awards
- AAS/AASF Basic Science Translational Research Awards
- Joel J. Roslyn, MD Faculty Research Award
- Academic Surgical Congress International Research Travel Awards
- Academic Surgical Congress 10x10 Career Development Traveling Fellowship Grants

Department of Defense Congressionally Directed Medical Research Programs for Neuroblastoma and Pediatric Brain Cancer, 2017

- Career Development Award
- Idea Award with Special Focus
- Translational Team Science Award

Australasian Association of Paediatric Surgeons Douglas Stephens Research Grants, 2018

Other

Symposia

Invited panel discussant, Management of pediatric pneumothorax and hemothorax, 14th Annual Texas Pediatric Emergency Medicine Conference, 2011

Symposium chair and moderator, Current challenges in pediatric surgical oncology symposium, American Academy of Pediatrics, Section on Surgery, National Conference and Exhibition, Orlando, FL, October 25, 2013.

Symposium chair and moderator, Issues in pediatric general surgery symposium; Appendicitis: New approaches to an age-old problem, American Academy of Pediatrics, Section on Surgery, National Conference and Exhibition, Orlando, FL, October 25, 2013.

Invited panel discussant, Medical practice in a university setting, American Academy of Pediatrics, Section on Surgery, National Conference and Exhibition, Washington DC, October, 2015.

Invited panel discussant, Research and scholarship in paediatric surgery; its role, impact, and future. A global perspective, Royal Australasian College of Surgeons, Annual Scientific Congress 2017, Adelaide, South Australia, Australia, May 8-12, 2017.

Sessions Chaired

Scientific Session Moderator, American Academy of Pediatrics, Section on Surgery, National Conference and Exhibition, Washington, DC, October, 2009.

Scientific Session Moderator, American Academy of Pediatrics, Section on Surgery, National Conference and Exhibition, San Francisco, CA, October, 2010.

Scientific Session Moderator, American Academy of Pediatrics, Section on Surgery, National Conference and Exhibition, Boston, MA, October, 2011.

Scientific Session Moderator, American Academy of Pediatrics, Section on Surgery, National Conference and Exhibition, New Orleans, LA, October, 2012.

Scientific Session Moderator, American Academy of Pediatrics, Section on Surgery, National Conference and Exhibition, Orlando, FL, October, 2013.

Surgical Forum Scientific Session Discussant, Pediatric Surgery, American College of Surgeons 96th Annual Clinical Congress, Washington, DC, October, 2010.

- Surgical Forum Scientific Session Discussant, Pediatric Surgery, American College of Surgeons 97th Annual Clinical Congress, San Francisco, CA, October, 2011.
- Surgical Forum Scientific Session Discussant, Pediatric Surgery, American College of Surgeons 100th Annual Clinical Congress, San Francisco, CA, October, 2014.
- Scientific Forum Scientific Session Moderator and Discussant, Pediatric Surgery, American College of Surgeons, 2015 Clinical Congress, Chicago, IL, October, 2015.
- Scientific Forum Scientific Session Discussant, Transplantation and Tissue Engineering, American College of Surgeons, 2015 Clinical Congress, Chicago, IL, October, 2015.
- Scientific Forum Scientific Session Discussant, Quality, Safety, and Outcomes II, American College of Surgeons, 2016 Clinical Congress, Washington, DC, October, 2016.
- Scientific Forum Scientific Session Discussant, Pediatric Surgery II, American College of Surgeons, 2016 Clinical Congress, Washington, DC, October, 2016.
- Scientific Session Moderator, 7th Annual Academic Surgical Congress, Las Vegas, NV, February, 2012.
- Scientific Session Moderator, 8th Annual Academic Surgical Congress, New Orleans, LA, February, 2013.
- Scientific Session Moderator, 10th Annual Academic Surgical Congress, Las Vegas, NV, February, 2015.
- Scientific Session Moderator, 11th Annual Academic Surgical Congress, Jacksonville, FL, February, 2016.
- Scientific Session Moderator, 12th Annual Academic Surgical Congress, Las Vegas, NV, February, 2017.
- Scientific Session Moderator, American Pediatric Surgical Association, 46th Annual Meeting, Fort Lauderdale, FL, May, 2015.
- Scientific Session Moderator, American Pediatric Surgical Association, 47th Annual Meeting, San Diego, CA, May, 2016.
- Scientific Session Moderator, American Pediatric Surgical Association, 49th Annual Meeting, Palm Desert, CA, May, 2018.
- Session Moderator, Programmatic Innovations Session, Baylor College of Medicine, 2nd Annual Education Symposium, Houston, TX, 2013.
- Session Moderator and Faculty Discussant, 10th Annual Career Development Course, Association for Academic Surgery Fall Courses, San Francisco, CA, September, 2014.

Scientific Session Moderator, Inaugural Society of Asian Academic Surgeons Meeting, Palo Alto, CA, September, 2016.

Scientific Session Moderator, Society of Asian Academic Surgeons Meeting, Birmingham, AB, September, 2017.

Session Chair Moderator, Pediatric Surgery Program, American College of Surgeons, Southern California Chapter, Annual Meeting, Santa Barbara, CA, January, 2017.

Session and Workshop Moderator, "Early Career Development", Developing a Career and Skills in Academic Surgery Course, Association for Academic Surgery & Royal Australasian College of Surgeons, Academic Surgery Committee, Adelaide, Australia, May 8, 2017.

Session Moderator, "Chest Wall Reconstruction: The 3D Printing Era", Pediatric Surgery and Cardiothoracic Surgery Session, Royal Australasian College of Surgeons, Annual Scientific Congress, Adelaide, South Australia, Australia, May 10, 2017.

Scientific Session Moderator, "Research Papers Session 1", Pediatric Surgery Session, Royal Australasian College of Surgeons, Annual Scientific Congress, Adelaide, South Australia, Australia, May 10, 2017.

Scientific Session Moderator, "Research Papers Session 2", Pediatric Surgery Session, Royal Australasian College of Surgeons, Annual Scientific Congress, Adelaide, South Australia, Australia, May 11, 2017.

Faculty Moderator, "Grant Writing Session Workshop", AAS/SUS Surgical Investigator's Course, Jacksonville, FL, January 28, 2018.

F. Research Activities

Major Areas of Research Interest

Neuroblastoma
Pediatric solid tumors
Cancer stem cells
Tumor angiogenesis
Mouse modeling
Metastasis

Research in Progress

Characterization and targeting of a novel cancer stem cell population in neuroblastoma
Examining the mechanisms of metastatic disease in neuroblastoma
Examining novel MDM2 inhibitors on tumor growth, metastasis, and tumor angiogenesis in neuroblastoma

Research Grants

1. The role of MDM2 in tumor angiogenesis in neuroblastoma \$ 100,000
Children's Neuroblastoma Cancer Foundation Young Investigator Award
Principal Investigator
2008–2010
2% Effort
Examining the role of the MDM2 inhibitor, Nutlin 3a, on tumor growth and tumor angiogenesis in an orthotopic nude mouse model of neuroblastoma.

2. MDM2 mediated regulation of tumor angiogenesis in neuroblastoma \$ 30,000
Hankamer Foundation, Baylor College of Medicine, Junior Faculty Seed Grant
Principal Investigator
2009–2010
0% Effort
Examining the role of the MDM2 inhibitor, Nutlin 3a, on tumor angiogenesis in a transgenic mouse model of neuroblastoma.

3. MDM2: A novel anti-angiogenic target in neuroblastoma \$ 21,000
National Institutes of Health, National Cancer Institute, Loan Repayment Program
NIH-NCI 1L40CA142347-01
Principal Investigator
2009–2011
Examining the role of the MDM2 inhibitor, Nutlin 3a, on tumor growth and tumor angiogenesis in an orthotopic nude mouse model of neuroblastoma.

4. Using simulation to teach trauma procedures to pediatric nurses and physicians \$ 32,000
Texas Children's Hospital Educational Grant
Collaborator
2010
As part of a multi-disciplinary project, this study was to determine the efficacy of teaching pediatric nurses and physicians critical, life-saving trauma procedures in a simulation center setting for seldomly performed procedures.

5. G-CSF: Friend or foe in the treatment of neuroblastoma? \$ 86,000

St. Baldrick's Foundation Childhood Cancer Research
Grant

Principal Investigator

2010–2011

5% Effort

A study which sought to determine the role of the cytokine and oft used medication, G-CSF, on neuroblastoma in vitro and in vivo. Evaluation would also seek to determine the expression of the G-CSF receptor in neuroblastoma.

6. G-CSF: Friend or foe in the treatment of neuroblastoma? \$ 25,000
National Institutes of Health, National Cancer Institute,
Loan Repayment Program
NIH-NCI 2L40CA142347-02
Principal Investigator
2011–2012
A study which sought to determine the role of the cytokine and oft used medication, G-CSF, on neuroblastoma in vitro and in vivo. Evaluation would also seek to determine the expression of the G-CSF receptor in neuroblastoma.
7. G-CSF: Friend or foe in the treatment of neuroblastoma? \$ 50,000
Texas Children's Hospital, Department of Surgery Seed
Grant
Principal Investigator
2011–2012
5% Effort
A study to investigate and characterize a novel cancer stem cell subpopulation of neuroblastoma which expresses the G-CSF receptor.
8. G-CSF: Friend or foe in the treatment of neuroblastoma? \$ 11,000
National Institutes of Health, National Cancer Institute,
Loan Repayment Program
NIH-NCI 2L40CA142347-03
Principal Investigator
2012–2013
A study to investigate and characterize a novel cancer stem cell subpopulation of neuroblastoma which expresses the G-CSF receptor.
9. Targeting neuroblastoma cancer stem cells \$ 50,000

Texas Children's Hospital, Department of Surgery Seed
Grant

Principal Investigator

2011–2012

5% Effort

Having recently characterized a cancer stem cell population in neuroblastoma, our ongoing studies examine the effect of inhibiting this G-CSF receptor+ subpopulation of neuroblastoma in vitro and in vivo, as well as to dissect the molecular pathway of this receptor.

10. DUSP26: A Novel Therapeutic Target in Neuroblastoma \$ 1,100,000
National Institutes of Health, National Institute of Neurological Disorders and Stroke
NIH-NINDS R01-NS072420-04
Collaborator (J Yang PI)
2011-2016
Goals of this Project:
1) Determine whether DUSP26 knockdown alters neuroblastoma tumor growth in an orthotopic mouse model
2) Determine whether DUSP26 knockdown alters neuroblastoma tumor chemo-resistance in an orthotopic mouse model
3) Determine whether a novel DUSP26 inhibitor alters neuroblastoma tumor growth in an orthotopic mouse model
4) Determine the mechanism of DUSP26 function in neuroblastoma in response to doxorubicin treatment.
11. Targeting neuroblastoma cancer stem cells \$ 9,100
National Institutes of Health, National Cancer Institute, Loan Repayment Program
NIH-NCI 2L40CA142347-04
Principal Investigator
2013–2014
Having recently characterized a cancer stem cell population in neuroblastoma, our ongoing studies examine the effect of inhibiting this G-CSF receptor+ subpopulation of neuroblastoma in vitro and in vivo, as well as to dissect the molecular pathway of this receptor.
12. Targeting TAK1 in Neuroblastoma \$ 270,000
National Institutes of Health, National Institute of Neurological Disorders and Stroke

NIH-NINDS R21-NS085467

Co-Investigator (J Yang PI)

2013–2015

Major Goals of Project is:

1) to determine whether TAK1 inhibitor sensitizes NB cells to chemotherapy in both orthotopic xenograft and TH-MYCN transgenic mouse models of NB

2) to determine the effect of TAK1 inhibitor on the interaction of NB cells and tumor micro-environment in TH-MYCN transgenic mouse models of NB.

13. Targeting the G-CSF/STAT3 Signaling Pathway in Neuroblastoma Cancer Stem Cells \$ 1,300,000
National Institutes of Health, National Cancer Institute
NIH-NCI R01-CA174808
Co-Investigator (J Shohet PI)
2014-2019
Determining the role of G-CSF/STAT3 signaling in neuroblastoma cancer stem cells. We plan to examine the effect of inhibiting this pathway using a variety of inhibitors including monoclonal antibodies and small molecule inhibitors. Our studies will also include the examination of G-CSF activation of cancer stem cells and the role of STAT3.
14. Characterizing the In Vitro Effect of PID1 in Neuroblastoma \$ \$3200
USC Provost's Undergraduate Research Fellowship
Principal Investigator and Undergraduate Mentor for Mr. Bryan Wang
2016
Determine the role of the putative tumor suppressor, PID1, in vitro in neuroblastoma. Our study will examine the effect of overexpression of PID1 in human neuroblastoma cell lines.
15. The Role of Granulocyte Colony-Stimulating Factor in Metastatic Neuroblastoma \$ 75,000
Margaret E. Early Medical Research Trust
Principal Investigator
2015-2016
Determine the role of the ligand G-CSF on cancer stem cells in the context of metastatic disease. Our study will examine the modulation of the G-CSF/STAT3 signaling pathway in metastatic disease in neuroblastoma by

utilizing a novel tumor resection murine model of minimal residual disease in neuroblastoma.

16. STAT3 Inhibition of Neuroblastoma Cancer Stem Cells for the Treatment of Metastatic Neuroblastoma
The Eli and Edythe Broad Foundation Clinical Research Fellow, University of Southern California
Principal Investigator and Research Mentor for Dr. Abigail Zamora
2018-2019
Determine the efficacy of STAT3 inhibition on neuroblastoma cancer stem cells and metastatic disease in neuroblastoma by utilizing a tumor resection murine model of minimal residual disease in neuroblastoma. \$ 74,000

17. The Role of CCL2 and CCL7 in Metastatic Neuroblastoma
American College of Surgeons Resident Research Scholarship
Principal Investigator and Research Mentor for Dr. Michael Zobel
2018-2020
Determine the role of the chemokines CCL2 and CCL7 in metastatic disease in neuroblastoma. Our study will examine and correlate the expression of these chemokines on monocytes and tumor-associated macrophages in a tumor resection murine model of minimal residual disease in neuroblastoma. \$ 60,000

18. Altering the Pre-metastatic Niche by Targeting CCL2 and CCL7 in Metastatic Neuroblastoma
Hyundai Hope on Wheels, Hope Scholar Grant
Principal Investigator
2018-2020
Determine the role of the chemokines CCL2 and CCL7 in the recruitment of monocytes and tumor associated macrophages to sites of metastasis in metastatic neuroblastoma. Our study will also examine the efficacy of inhibiting CCL2 and CCL7 to prevent metastasis and prolong survival in a tumor resection murine model of minimal residual disease in neuroblastoma. \$ 300,000

G. Invited Lectures / Visiting Professorships

International

“Utilizing Surgical Models to Identify and Target Cancer Stem Cells in Neuroblastoma”, 2017 Annual Meeting of the Taiwan Surgical Association – AAS International Visiting Professor Lecture, Taipei, Taiwan, March 18, 2017.

“Finding Success in Academic Surgery: A Personal Journey”, Australasian Students’ Surgical Conference 2017, Keynote Speaker, Adelaide, South Australia, Australia, May 7, 2017.

“Presenting at a Scientific Meeting”, Developing a Career and Skills in Academic Surgery Course, Invited Speaker, Association for Academic Surgery, Royal Australasian College of Surgeons, Adelaide, South Australia, Australia, May 8, 2017.

“Utilizing Surgical Models to Identify and Target Cancer Stem Cells in Neuroblastoma”, Keynote Lecture, Pediatric Surgery Session, Royal Australasian College of Surgeons, Annual Scientific Congress 2017, Adelaide, South Australia, Australia, May 11, 2017.

“The Surgical Management of Challenging Pediatric Solid Tumors”, Lecture and Masterclass, Invited Speaker, Pediatric Surgery Session, Royal Australasian College of Surgeons, Annual Scientific Congress 2017, Adelaide, South Australia, Australia, May 11, 2017.

“Research and Scholarship in Paediatric Surgery; its Role, Impact, and Future. The North American View”, Invited Speaker, Pediatric Surgery Session Royal Australasian College of Surgeons, Annual Scientific Congress 2017, Adelaide, South Australia, Australia, May 12, 2017.

“Utilizing Surgical Models to Identify and Target Cancer Stem Cells in Neuroblastoma”, Invited Visiting Professor, The Subforum of Paediatric Hepatobiliary Anorectal Disease & The 7th Chinese Academy of Engineering Summit on Paediatric Cancer Research, The 3rd China International Forum of Pediatric Development, Beijing Conference Center, Beijing, China, July 2, 2017.

Department of Pediatrics and Department of Pediatric Surgery, Visiting Professor, National Taiwan University Children Hospital, Taipei, Taiwan, November 10, 2017.

“Current Trends in Neuroblastoma Management”, Visiting Professor, Taiwanese Association of Pediatric Surgeons, Junior Faculty Dinner, Taipei, Taiwan, November 10, 2017.

Department of Pediatric Surgery and Pediatric Transplant Surgery, Visiting Professor, Veteran's General Hospital, Taipei, Taiwan, November 11, 2017.

“Utilizing Surgical Models to Identify and Target Cancer Stem Cells in Neuroblastoma”, Keynote Lecture, Taiwanese Pediatric Oncology Symposium, Chinese Oncology Association and the Taiwanese Association of Pediatric Surgeons, Taipei, Taiwan, November 12, 2017.

“Spinal Cord Ischemia in the Resection of Posterior Mediastinal Tumors”, Keynote Lecture, Taiwanese Pediatric Oncology Symposium, Chinese Oncology Association and the Taiwanese Association of Pediatric Surgeons, Taipei, Taiwan, November 12, 2017.

“Current Trends in Neuroblastoma Management “, Department of Pediatric Surgery, Visiting Professor, Triservice General Hospital, Taipei, Taiwan, November 13, 2017.

2018 Shengjing International Medical Forum on Oncology and International Multidisciplinary Team on Pediatric Solid Tumor, The 2nd Meeting of Pediatric Solid Tumor Collaboration Group of Northeast China, Invited International Professor, Shengjing Hospital of China Medical University, Shenyang, China, March 9, 2018.

“Utilizing Surgical Models to Identify and Target Cancer Stem Cells in Neuroblastoma”, Keynote Lecture, Shengjing International Academic Forum, Shengjing Hospital of China Medical University, Shenyang, China, March 10, 2018.

“Spinal Cord Ischemia in the Resection of Posterior Mediastinal Tumors”, Keynote Lecture, Shengjing International Academic Forum, Pediatric Subforum, Shengjing Hospital of China Medical University, Shenyang, China, March 11, 2018.

National

“MDM2 and Angiogenesis: Creating, Developing, and Sustaining A Basic Science Research Lab”, Baylor College of Medicine, Department of Surgery Grand Rounds, Houston, TX, October 27, 2010.

“Angiogenesis and Stem Cells in Neuroblastoma”, Columbia University, College of Physicians and Surgeons Sorokin Research Symposium, New York, NY, October 17, 2011.

“Novel Therapeutic Targeting in Neuroblastoma: The Development of a Basic Science Research Program”, Baylor College of Medicine, Department of Urology Grand Rounds, Houston, TX, March 7, 2012.

- “Neuroblastoma Cancer Stem Cells: In Search of the Holy Grail”, Baylor College of Medicine, Department of Surgery Grand Rounds, Houston, TX, January 16, 2013.
- “Identification of a Novel Cancer Stem Cell Population in Neuroblastoma”, University of Southern California Keck School of Medicine, Children’s Hospital of Los Angeles, Hematology-Oncology & BMT Grand Rounds, Los Angeles, CA, October 21, 2013.
- “Spinal Cord Ischemia in the Resection of Posterior Mediastinal Tumors”, Current Challenges in Pediatric Surgical Oncology Symposium, American Academy of Pediatrics, Section on Surgery, National Conference and Exhibition, Orlando, FL, October 25, 2013.
- “Imaging and Technical Concerns for Tumors around the Spinal Cord”, American Pediatric Surgical Association, 45th Annual Meeting, Children’s Oncology Group Tumor Session, Phoenix, AZ, May 31, 2014.
- “Identifying and Targeting Cancer Stem Cells in Neuroblastoma- Have We Found the Holy Grail?”, University of Southern California Keck School of Medicine, Department of Surgery Grand Rounds, Los Angeles, CA, September 12, 2014.
- “It Takes a Village: A Roadmap to Improving Quality and Outcomes in Children with Central Lines”, Association for Vascular Access, Annual Scientific Meeting, Dallas, TX, September 28, 2015.
- “How to Deliver an Effective Research Presentation”, 27th Annual Association for Academic Surgery Fundamentals of Surgical Research Course, Washington, DC, October 15, 2016.
- “How to Deliver an Effective Research Presentation”, 28th Annual Association for Academic Surgery Fundamentals of Surgical Research Course, San Diego, CA, October 21, 2017.
- “Non-Federal Funding Agencies”, How Do Funding Agencies Work Session, AAS/SUS Surgical Investigator’s Course, Jacksonville, FL, January 28, 2018.
- “PHITT/AHEP-1531 Hepatocellular Carcinoma surgical guidelines and study questions”, 2018 American Pediatric Surgical Association Annual Meeting, Children’s Oncology Group Session, Focus on Hepatoblastoma and Hepatocellular Carcinoma, Palm Desert, CA, May 6, 2018.

Local

“The Surgical Abdomen and Radiology”, Baylor College of Medicine Pediatric Radiology Resident/Fellow Conference, Houston, TX, August 22, 2006.

“Surgical Infections and Abscesses”, Baylor College of Medicine Pediatric Emergency Medicine Resident/Fellow Conference, Houston, TX, December 11, 2007.

“Bowel Obstruction”, Baylor College of Medicine Pediatric Emergency Medicine Resident/Fellow Conference, Houston, TX, January 22, 2008.

“Necrotizing Enterocolitis”, Baylor College of Medicine Pediatric Gastroenterology Fellow Conference, Houston, TX, November 7, 2008.

“The Best Laid Plans of Mice and Men: Animal Models of Tumor Development and Angiogenesis in Neuroblastoma”, Baylor College of Medicine, Texas Children’s Cancer Center Research Seminar, Houston, TX, December 18, 2008.

“Tube Thoracostomy for the Emergency Room Patient”, Baylor College of Medicine Pediatric Emergency Medicine Resident/Fellow Conference, Houston, TX, 2009.

“Pectus Excavatum”, Baylor College of Medicine, Pediatric Pulmonary Medicine Conference, Houston, TX, January 15, 2010.

“Surgical Management of Inflammatory Bowel Disease”, Baylor College of Medicine, Pediatric Gastroenterology Fellow Conference, Houston, TX, February 5, 2010.

“Surgical Oncology”, Baylor College of Medicine Pediatric Hematology-Oncology Fellow Conference, Houston, TX, July 2010.

“Surgical Infections and Abscesses”, Baylor College of Medicine Pediatric Emergency Medicine Resident/Fellow Conference, Houston, TX, August 12, 2010.

“Pigtail Catheter Insertion for Patients with Simple Spontaneous Pneumothorax”, Baylor College of Medicine Pediatric Emergency Medicine Resident/Fellow Conference, Houston, TX, October 28, 2010.

“Surgical Oncology”, Baylor College of Medicine Pediatric Hematology-Oncology Fellow Conference, Houston, TX, July 12, 2011.

“Necrotizing Enterocolitis”, Baylor College of Medicine Pediatric Gastroenterology Fellow Conference, Houston, TX, March 2, 2012.

- “Surgical Oncology”, Baylor College of Medicine Pediatric Hematology-Oncology Fellow Conference, Houston, TX, July, 2012.
- “Bowel Obstruction”, Baylor College of Medicine Pediatric Emergency Medicine Resident/Fellow Conference, Houston, TX, October 10, 2012.
- “So You Want to be a Surgeon: An Insider’s Guide”, Michael E. DeBakey High School, 2012 Annual Scientific Symposium, Houston, TX, December 21, 2012.
- “Imaging the Pediatric Surgical Patient: A Surgeon’s Perspective”, Baylor College of Medicine Pediatric Radiology Conference, Houston, TX, January 31, 2013.
- “Surgical Oncology”, Baylor College of Medicine Pediatric Hematology-Oncology Fellow Conference, Houston, TX, July 2013.
- “Pus and Stuff: A Surgeon’s Guide to Subcutaneous Infections”, Baylor College of Medicine Pediatric Emergency Medicine Resident/Fellow Conference, Houston, TX, September 19, 2013.
- “E*Value: Tips and Tricks”, Baylor College of Medicine Faculty Education Symposium, Clinician Educator Orientation September 20, 2013 (two lectures given).
- “Preclinical Evaluation of a Novel MDM2 Inhibitor in Neuroblastoma”, Texas Children’s Hospital, Feigin Research Seminar, Houston, TX, October 3, 2013.
- “Practical QI Methods for Quick Improvement”, Texas Children’s Hospital Advanced Quality Improvement Workshop, Houston, TX, November 7, 2013.
- “Imaging the Pediatric Surgical Patient: A Surgeon’s Perspective”, Baylor College of Medicine Pediatric Radiology Conference, Houston, TX, November 18, 2013.
- “Neonatal Surgical Emergencies”, USC Keck School of Medicine Pediatric Anesthesia Fellow Conference, Los Angeles, CA, April 21, 2015.
- “Pediatric Surgery: Non-emergent Conditions”, USC Keck School of Medicine, Department of Surgery, General Surgery Resident SCORE Lecture, Los Angeles, CA, May 22, 2015.

- “Under the Belt: Hernias, Hydroceles, and Undescended Testicles – When to Wait and When to Operate”, Medical Staff CME Lecture, Northridge Hospital Medical Center, Northridge, CA, June 12, 2015.
- “A Primer on Pediatric Surgery: Not Just Hernias and Appendixes”, Women and Children’s Health Symposium, USC Keck School of Medicine, Los Angeles, CA, February 6, 2016.
- “It Takes a Village: Improving Quality and Efficiency in the Operating Room”, Division of Pediatric Anesthesiology Grand Rounds, Children’s Hospital Los Angeles, Los Angeles, CA, August 4, 2016.
- “Neuroblastoma”, Children’s Hospital Los Angeles, Division of Pediatric Surgery, Teaching Conference, Los Angeles, CA, December 1, 2016.
- “Neonatal Bowel Obstruction”, Children’s Hospital Los Angeles, 11th Annual Neonatal Conference, Hollywood, CA, April 6, 2017.
- “Hirschsprung’s Disease and Imperforate Anus”, USC Keck School of Medicine, Department of Surgery, Division of Colorectal Surgery, Teaching Conference, Los Angeles, CA, July 24, 2017.
- “Neuroblastoma”, Children’s Hospital Los Angeles, Division of Pediatric Surgery, Teaching Conference, Los Angeles, CA, August 17, 2017.
- “Renal Tumors”, Children’s Hospital Los Angeles, Division of Pediatric Surgery, Teaching Conference, Los Angeles, CA, January 18, 2018.

H. Bibliography

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 24. Austin MT, *Rojas Y, Warneke CL, Dhamne CA, Lally KP, Hayes-Jordan A, Herzog CE, Vasudevan SA, Nuchtern JG, **Kim ES**. Primary Malignant Pancreatic Neoplasms in Children and Adolescents: a 20 Year Experience. 45th Annual Meeting of Pacific Association of Pediatric Surgeons, Shanghai, China, June 3-7, 2012.
 25. *Hsu DM, Trahan DN, Chen Z, Gao D, Benham A, Coarfa C, Barbieri E, Olutoye OO, *Stowers PN, Courtney AN, Metelitsa LS, Gunaratne P, **Kim ES*** and Shohet JM*. Isolation and Characterization of a Novel Cancer Stem Cell-like Population in Neuroblastoma. 2012 Advances in Neuroblastoma Research

- Conference, Plenary Presentation, Toronto, Canada, June 18-21, 2012. (*co-senior authors)
26. *Fallon SC, *Slater BJ, **Kim ES**, Lopez ME, Nuchtern JG, Cass DL, Mazziotti MV. Complications Related to the Nuss Procedure: Minimizing Risk with Operative Technique. 44th Annual Meeting of the Canadian Association of Paediatric Surgeons, Victoria, British Columbia, Canada, September 20-22, 2012.
 27. *Fallon SC, *Larimer EL, *Gwilliam NR, Nuchtern JG, Rodriguez JR, Lee TC, Lopez ME, **Kim ES**. Increased Complication Rates Associated with Port-A-Cath Placement in Pediatric Patients: Location Matters. American Academy of Pediatrics, National Conference and Exhibition, Section on Surgery, New Orleans, LA, October 19-21, 2012.
 28. Rojas Y, Okcu MF, Masand P, Lopez-Terrada D, Chintagumpala M, O'Mahony CA, Wesson DE, Goss JA, Finegold MJ, Thompson PA, **Kim ES**, Nuchtern JG, Vasudevan SA. Outcomes of Surgically Treated Malignant Liver Tumors in Children: Age, Ethnicity, and Extent of Resection Predict Prognosis. 8th Annual Academic Surgical Congress, New Orleans, LA, February 5-7, 2013.
 29. Rojas Y, Masand P, Chintagumpala M, O'Mahony CA, Wesson DE, Goss JA, Thompson PA, **Kim ES**, Nuchtern JG, Vasudevan SA. Management of Benign Liver Tumors in Children: A 10-Year Institutional Experience. 8th Annual Academic Surgical Congress, New Orleans, LA, February 5-7, 2013.
 30. *Fallon SC, Brandt ML, Rodriguez JR, Vasudevan SA, Lopez ME, Hicks MJ, **Kim ES**. Cytogenetic Analysis in the Diagnosis and Management of Lipoblastomas: Results from a Single Institution. 8th Annual Academic Surgical Congress, New Orleans, LA, February 5-7, 2013.
 31. Ghaghada K, *Lakoma A, Kaffes C, Shohet J, **Kim E**, Annapragada A. Interrogation of Tumor Vasculature in Mouse Models of Neuroblastoma using a Nanoparticle Contrast Agent. 56th Annual Meeting of the Society for Pediatric Radiology, San Antonio, TX, May 15-18, 2013.
 32. Mazloom A, Louis C, Nuchtern J, **Kim E**, Allen-Rhoades W, Krance R, Paulino A. Radiotherapy to the Primary and Post-Induction Chemotherapy MIBG Avid Sites in High-Risk Neuroblastoma. 55th Annual Meeting of the American Society for Radiation Oncology, Atlanta, GA, September 22-25, 2013.
 33. Sabapathy D, Priest J, Guillerman R, Orth R, **Kim E**, Foulkes W, Annapragada A. Markov Model Optimization of the Imaging Screening Strategy for Cystic Pleuropulmonary Blastoma in Children with DICER1 Mutations. Radiological Society of North America, Chicago, IL, December 1-6, 2013.
 34. *Fallon SC, *Kim ME, Vasudevan SA, Nuchtern JG, **Kim ES**. Development of a Hospital Quality Improvement Initiative for Infants with Central Line Insertions through Identification of Complication Risks. 9th Annual Academic Surgical Congress, San Diego, CA, February 4-6, 2014.
 35. *Lakoma A, Ghaghada KB, Adhikari C, Kaffes CC, Rojas Y, Shohet JM, Annapragada A, **Kim ES**. Assessing Tumor Angiogenesis with Computed Tomography and a Novel Nanoparticle Contrast Agent in an In Vivo Model of Neuroblastoma. 9th Annual Academic Surgical Congress, San Diego, CA, February 4-6, 2014.

36. *Rojas Y, Jaramillo S, Lyons K, Mahmood N, Wu J, Liu H, Vasudevan SA, Guillerman RP, Louis CU, Nuchtern JG, **Kim ES**. Identifying the optimal number of cycles of chemotherapy prior to surgical resection in high-risk neuroblastoma. South Texas Chapter of the American College of Surgeons Annual Meeting, Austin, TX, February 21, 2014.
37. *Lakoma A, Barbieri E, *McVay M, Chen Z, Adhikhari C, Shohet JM, **Kim ES**. The novel MDM2 inhibitor RG7388 is highly effective against neuroblastoma in vitro and in vivo. South Texas Chapter of the American College of Surgeons Annual Meeting, Austin, TX, February 21, 2014.
38. *Lakoma A, Barbieri E, McVay M, Chen Z, Agarwal S, Shohet J, **Kim E**. The novel small molecule MDM2 inhibitor, RG7388, is highly effective against neuroblastoma in vivo via p53-mediated apoptosis. Selected plenary presentation at the 10th Annual Texas Children's Cancer and Hematology Centers Research Symposium, Houston, TX, May 8, 2014.
39. *Lakoma A, Barbieri E, McVay M, Chen Z, Agarwal S, Shohet JM, **Kim ES**. The novel small molecule MDM2 inhibitor, RG7388, is highly effective against neuroblastoma in vivo via p53-mediated apoptosis. Selected plenary presentation at the 5th Annual Texas Children's Hospital Department of Surgery Research Day, Houston, TX, May 9, 2014.
40. Barbieri E, Lakoma A, Chen Z, **Kim ES**, Shohet JM. P53 activation enhances the sensitivity of neuroblastoma to mTOR inhibitors. 2014 Advances in Neuroblastoma Research Conference, Cologne, Germany, May 13-16, 2014.
41. Agarwal S, *Lakoma A, Chen Z, Metelitsa L, **Kim E**, Shohet JM. The G-CSF/STAT3 signaling axis regulates the tumorigenic and metastatic potential of neuroblastoma cancer stem cells (CSCs). 2014 Advances in Neuroblastoma Research Conference, Cologne, Germany, May 13-16, 2014.
42. *Lakoma A, Barbieri E, *McVay M, Chen Z, Adhikhari C, Shohet JM, **Kim ES**. The novel MDM2 inhibitor RG7388 is highly effective against neuroblastoma in vitro and in vivo. 2014 Advances in Neuroblastoma Research Conference, Cologne, Germany, May 13-16, 2014.
43. Mazziotti MV, Weldon C, Rescorla F, **Kim ES**. Analysis of submitted abstracts for the American Academy of Pediatrics, Section on Surgery, National Conference. American Academy of Pediatrics, National Conference and Exhibition, Section on Surgery, San Diego, CA, October 11-14, 2014.
44. *Rojas Y, Louis CU, Nuchtern JG, **Kim ES**. Optimizing chemotherapy prior to surgery in high-risk neuroblastoma. American Academy of Pediatrics, National Conference and Exhibition, Section on Surgery, San Diego, CA, October 11-14, 2014.
45. *Fallon SC, Zhang W, Lopez ME, Brandt ML, Kim ME, Rodriguez JR, Mazziotti MV, Wesson DE, Nuchtern JG, **Kim ES**. Variation in individual surgeon practice in the treatment of appendicitis. 10th Annual Academic Surgical Congress, Las Vegas, NV, February 3-5, 2015.
46. Szymanski L, Molas-Torreblanca K, Bawab R, **Kim E**, Don D, Mascarenhas L, Stanley P, Zhou S, Shillingford N. A case of bronchial mucoepidermoid carcinoma with the classic MAML2 gene rearrangement in a very young child.

- SLAPPE XVII: Congress of the Latin American Society for Pediatric Pathology, Santa Cruz de la Sierra, Bolivia, September 29-30, 2015.
47. *Jackson JR, Kim Y, Seeger R, **Kim ES**. A novel surgical resection model of experimental neuroblastoma to study tumor recurrence and metastasis. American Academy of Pediatrics, National Conference and Exhibition, Section on Surgery, Washington, DC, October 23-27, 2015.
 48. *Jackson JR, Kim Y, Seeger R, **Kim ES**. A novel surgical resection model of minimal residual disease. Southern California Chapter, American College of Surgeons, Santa Barbara, CA, January 15-17, 2016.
 49. *Jackson JR, Tran H, Stein J, Shimada H, Patel AM, Marachelian A, **Kim ES**. The management and outcomes of cervical neuroblastic tumors. 11th Annual Academic Surgical Congress, Jacksonville, FL, February 2-5, 2016.
 50. *Jackson JR, Tran H, Stein J, Shimada H, Patel AM, Marachelian A, **Kim ES**. Surgical outcomes of cervical neuroblastoma in children: a different beast altogether. Society of Black Academic Surgeons 2016 Annual Meeting, Columbus, OH, April 30, 2016.
 51. *Jackson JR, Wu HW, Sun J, Wang L, Seeger RC, **Kim ES**. Natural killer cell assisted immunotherapy decreases incidence of metastasis in an orthotopic neuroblastoma mouse model. American Pediatric Surgical Association 2016 Annual Meeting and APSA-IPSO Symposium, San Diego, CA, May 14-15, 2016.
 52. *Jackson JR, Barry W, Wu HW, Asuelime GE, Sun J, Seeger RC, **Kim ES**. Natural killer cell and anti-GD2 antibody therapy lead to decreased metastasis in a neuroblastoma mouse model of minimal residual disease. Society of Asian Academic Surgeons Inaugural Meeting, Stanford University, Palo Alto, CA, September 24, 2016.
 53. *Jackson JR, Barry W, Asuelime GE, Wan Z, **Kim ES**. Targeting neuroblastoma cancer stem cells via STAT3 inhibition improves survival in a minimal residual disease mouse model of neuroblastoma. Society of Asian Academic Surgeons Inaugural Meeting, Stanford University, Palo Alto, CA, September 24, 2016.
 54. *Jackson JR, Wu HW, Asuelime GE, Sun J, Seeger RC, **Kim ES**. Increased survival and decreased metastasis in a mouse neuroblastoma model of minimal residual disease after treatment with anti-GD2 antibody and activated natural killer cells. American College of Surgeons, 2016 Clinical Congress, Scientific Forum, Washington, DC, October 16-20, 2016.
 55. *Jackson JR, Barry W, Wu HW, Asuelime GE, Sun J, Seeger RC, **Kim ES**. The combination of activated natural killer cells and anti-GD2 antibody leads to improved survival and decreased metastasis in a minimal residual disease mouse model of neuroblastoma. American Academy of Pediatrics, National Conference and Exhibition, Section on Surgery, San Francisco, CA, October 22-25, 2016.
 56. *Barry W, *Jackson JR, Asuelime G, Sheng Z, Seeger RC, **Kim ES**. Phenotypic and genotypic changes in metastatic neuroblastoma. 12th Annual Academic Surgical Congress, Las Vegas, NV, February 7-9, 2017.
 57. *Barry WE, *Jackson JR, Asuelime G, Wu HW, Sun J, Wang L, Seeger RC, **Kim ES**. In vitro and in vivo efficacy of activated natural killer cells combined with anti-

- GD2 antibody in neuroblastoma. USC Keck School of Medicine, Department of Surgery, Resident Research Competition, Los Angeles, CA, March 10, 2017.
58. *Isani M, *Jackson JR, *Barry WE, *Bowling J, Asuelime G, Checcone A, Wee CP, Stein JE, Jensen AR, **Kim ES**. Risk-adjusted comparison of operative and non-operative management for perforated appendicitis in children: impact of initial treatment approach on overall cost. American Pediatric Surgical Association 2017 Annual Meeting, Hollywood, FL, May 4-7, 2017.
 59. *Barry WE, *Jackson JR, Asuelime G, Wu HW, Sun J, Wang L, Seeger RC, **Kim ES**. The In vitro and in vivo efficacy of activated natural killer cells combined with anti-GD2 antibody in neuroblastoma. American Pediatric Surgical Association 2017 Annual Meeting, Hollywood, FL, May 4-7, 2017.
 60. *Barry WE, Asuelime G, Wang L, **Kim ES**. The impact of granulocyte colony stimulating factor on disease burden and survival in a metastatic murine model of minimal residual disease in neuroblastoma. American Academy of Pediatrics, National Conference and Exhibition, Section on Surgery, Chicago, IL, September 15-17, 2017.
 61. *Isani M, *Jackson JR, *Barry WE, *Bowling J, Asuelime G, Checcone A, Wee CP, Stein JE, Jensen AR, **Kim ES**. Risk-adjusted comparison of operative and non-operative management for perforated appendicitis in children: impact of initial treatment approach on overall cost. Society of Asian Academic Surgeons, 2nd Annual Meeting, Birmingham, AL, September 21-22, 2017.
 62. *Isani M, *Schlieve C, *Jackson J, Elizee M, **Kim E**. Is less more? Laparoscopic versus open Ladd's procedure in children with malrotation. Society of Asian Academic Surgeons, 2nd Annual Meeting, Birmingham, AL, September 21-22, 2017.
 63. *Barry W, Jackson JR, Asuelime G, Sheng Z, Seeger RC, **Kim ES**. Phenotypic and genotypic changes in metastatic neuroblastoma. Society of Asian Academic Surgeons, 2nd Annual Meeting, Birmingham, AL, September 21-22, 2017.
 64. *Barry WE, Asuelime G, Wang L, **Kim ES**. The impact of granulocyte colony stimulating factor on disease burden and survival in a metastatic murine model of minimal residual disease in neuroblastoma. Society of Asian Academic Surgeons, 2nd Annual Meeting, Birmingham, AL, September 21-22, 2017.
 65. *Barry WE, *Jackson JR, Asuelime G, Wan Z, Wu HW, Sun J, Wang L, Seeger RC, **Kim ES**. Effective reduction of metastasis and improved survival by combining activated natural killer cells and anti-GD2 antibody in chemo-resistant neuroblastoma. American College of Surgeons 2017 Clinical Congress, Scientific Forum, San Diego, CA, October 22-26, 2017.
 66. *Barry WE, *Jackson JR, Asuelime G, Wan Z, Wu HW, Sun J, Wang L, Seeger RC, **Kim ES**. In vitro and in vivo efficacy of activated natural killer cells combined with anti-GD2 antibody in neuroblastoma. Southern California Chapter, American College of Surgeons, Santa Barbara, CA, January 20, 2018.
 67. *Barry WE, Asuelime G, Wang L, **Kim ES**. The in vitro and in vivo effects of granulocyte colony-stimulating factor on metastatic neuroblastoma. 13th Annual Academic Surgical Congress, Jacksonville, FL, January 30-February 1, 2018.

Poster Sessions

1. Yamashiro DJ, **Kim ES**, Huang J, Manley CA, Soffer SZ, Moore JT, Rowe DH, Hagani A, O'Toole KM, Wu E, Stolar CJ, Kandel JJ. A new in vivo metastatic model of neuroblastoma in the nude mouse. Advances in Neuroblastoma Research Conference, Philadelphia, PA, May 15-18, 2000.
2. **Kim ES**, Manley CA, Huang J, Soffer SZ, Moore JT, Casher J, Rowe DH, Wu N, O'Toole KM, Stolar CJ, Kandel JJ, Yamashiro DJ. Anti-VEGF antibody therapy suppresses primary tumor growth in a metastatic model of neuroblastoma. Advances in Neuroblastoma Research Conference, Philadelphia, PA, May 15-18, 2000.
3. Soffer SZ, Huang J, **Kim ES**, McCrudden KW, New TN, Manley CA, Middlesworth W, Holash J, Yancopoulos G, Yamashiro DJ, Kandel JJ. VEGF-Trap inhibits growth and angiogenesis in experimental rhabdoid tumor of the kidney. American Academy of Pediatrics National Conference, Section on Surgery, San Francisco, CA, October 19-21, 2001.
4. **Kim ES**, Gao D, Shohet JS. MDM2 inhibition with Nutlin-3a strongly suppresses tumor growth and tumor angiogenesis in an in vivo model of neuroblastoma. International MDM2 Workshop V, Ghent, Belgium, August 23-26, 2009.
5. *Patterson D, Gao D, Sikorski, N, Ludwig A, Barbieri E, *Johnson B, Chen Z, *Diaz-Miron J, Shohet J, **Kim ES**. MDM2 inhibition with Nutlin-3a strongly suppresses tumor growth and tumor angiogenesis in an in vivo model of neuroblastoma. Dan L. Duncan Cancer Center 7th Annual Symposium, Baylor College of Medicine, Houston, TX, November 19, 2009.
6. *Patterson D, Gao D, Sikorski, N, *Ludwig A, Barbieri E, *Johnson B, Chen Z, Vassilev L, Shohet J, **Kim ES**. The MDM2 inhibitor Nutlin-3a potently suppresses both tumor angiogenesis and tumor growth in neuroblastoma. 6th Annual Texas Children's Cancer Center Research Symposium, Houston, TX, March 12, 2010.
7. *Johnson B, *Patterson D, Gao D, Sikorski N, Shohet J, **Kim E**. MDM2 inhibition with Nutlin-3a strongly suppresses tumor growth and tumor angiogenesis in an in vivo model of neuroblastoma. American College of Surgeons, 96th Clinical Congress, Medical Student Section, Washington, DC, October 4, 2010.
8. Heyden LD, Rodriguez C, **Kim E**. Challenging ventilatory management in a premature newborn with a tracheoesophageal fistula at the carina. Society of Pediatric Anesthesia, 24th Annual Meeting, San Diego, CA, October 15, 2010.
9. *Patterson D, Benham A, Mestdagh P, Chen Z, Coarfa C, **Kim E**, Gunaratne P, Shohet J. Small RNA-sequencing identifies in a tumor initiating cell specific microRNA signature in neuroblastoma. Dan L. Duncan Cancer Center, Baylor College of Medicine, 8th Annual Research Symposium, Houston, TX, November 11, 2010.
10. *Patterson D, Sikorski D, Barbieri E, Gao D, Chen Z, Shohet J, **Kim E**. Isolation and characterization of highly tumorigenic neuroblastoma cancer stem cells. Dan L. Duncan Cancer Center, Baylor College of Medicine, 8th Annual Research Symposium, Houston, TX, November 11, 2010.

11. *Patterson D, Sikorski D, Barbieri E, Gao D, Chen Z, Shohet J, **Kim E**. Isolation and characterization of highly tumorigenic neuroblastoma cancer stem cells. Cell and Gene Therapy Conference, Baylor College of Medicine, Galveston, TX, November 18, 2010.
12. *Patterson D, **Kim E**, Benham A, Mestdagh P, Chen Z, Coarfa C, Gunaratne P, Shohet JM. Identification of a tumor initiating cell specific microRNA signature in neuroblastoma. Keystone Symposia on Molecular and Cellular Biology – MicroRNAs and Non-Coding RNAs and Cancer, 40th Meeting Season, Banff, Alberta, Canada, February 11-16, 2011.
13. *Patterson DM, Gao D, Sikorski DN, *Ludwig A, Barbieri E, *Johnson BA, Chen Z, Shohet JM, **Kim ES**. Combined Effect of Bevacizumab and Nutlin-3a on Tumor Growth, Angiogenesis, and Metastasis. 7th Annual Texas Children’s Cancer Center Research Symposium, Houston, TX, March 31, 2011.
14. Barbieri E, De Preter K, Caspasso M, Chen Z, *Patterson D, **Kim E**, Vandesompele J, Shohet JM. Identification of a Novel Prognostic Gene Signature which Strongly Predicts Outcome for High Risk Neuroblastoma and is Independent of MYCN, Age, and Stage. 7th Annual Texas Children’s Cancer Center Research Symposium, Houston, TX, March 31, 2011.
15. *Patterson D, Sikorski N, Barbieri E, Gao D, Chen Z, Shohet J, **Kim E**. Isolation and Characterization of Highly Tumorigenic Neuroblastoma Cancer Stem Cells. 7th Annual Texas Children’s Cancer Center Research Symposium, Houston, TX, March 31, 2011.
16. *Patterson DM, Gao D, Sikorski DN, *Ludwig A, Barbieri E, *Johnson BA, Chen Z, Shohet JM, **Kim ES**. Combined Effect of Bevacizumab and Nutlin-3a on Tumor Growth, Angiogenesis, and Metastasis. 2nd Annual Texas Children’s Hospital Department of Surgery Research Day, Houston, TX, May 6, 2011.
17. *Patterson D, Sikorski N, Barbieri E, Gao D, Chen Z, Shohet J, **Kim E**. Isolation and Characterization of Highly Tumorigenic Neuroblastoma Cancer Stem Cells. 2nd Annual Texas Children’s Hospital Department of Surgery Research Day, Houston, TX, May 6, 2011.
18. Ghosh R, Chen Z, Patterson D, Sikorski DN, **Kim ES**, Shohet JM, Gunaratne PH. Oncogenic has-miR-1323 down-regulates MYCN/ALK and reveals PAG1 as a novel tumor suppressor for neuroblastoma. American Association for Cancer Research 103rd Annual Meeting, Chicago, IL, Mar 31- Apr 4, 2012.
19. Agarwal S, *Patterson DM, Chen Z, *Stowers P, Barbieri E, Coarfa C, **Kim E**, Shohet JM. Epigenetic regulation of differentially expressed microRNAs in neuroblastoma cancer stem cells. 8th Annual Texas Children’s Cancer and Hematology Centers Research Symposium, Houston, TX, April 20, 2012.
20. Barbieri E, DePreter K, Chen Z, *Stowers P, Agarwal S, **Kim, ES**, Speleman F, Shohet JM. The epigenetic modifier CHAF1A regulates neuroblastoma differentiation and is a novel prognostic indicator for poor survival. 8th Annual Texas Children’s Cancer and Hematology Centers Research Symposium, Houston, TX, April 20, 2012.
21. Fallon SC, Olutoye OO, Shekerdemian LS, Cass DL, Zamora IJ, Nguyen T, **Kim ES**, Larimer EL, Lee TC. Initial Experience with Single Vessel Cannulation for

- Venovenous Extracorporeal Membrane Oxygenation in pediatric Respiratory Failure. 3rd Annual Texas Children's Hospital Department of Surgery Research Day, Houston, TX, June 1, 2012.
22. Vasudevan SA, Patel RH, Fan Y, **Kim ES**, Shohet JM, Yang J. The Role of DUSP26 in Neuroblastoma Tumor Growth and Chemosensitivity. 3rd Annual Texas Children's Hospital Department of Surgery Research Day, Houston, TX, June 1, 2012.
 23. Rojas Y, Okcu MF, Masand P, Lopez-Terrada, D, Chintagumpala M, **Kim ES**, O'Mahoney CA, Wesson DE, Goss JA, Finegold MJ, Thompson PA, Nuchtern JG, Vasudevan SA. Primary Management of Malignant Liver Tumors in Children: Age, Ethnicity, and Extent of Resection Predict Prognosis. 3rd Annual Texas Children's Hospital Department of Surgery Research Day, Houston, TX, June 1, 2012.
 24. Rojas Y, Masand P, Chintagumpala M, **Kim ES**, O'Mahoney CA, Wesson DE, Goss JA, Thompson PA, Nuchtern JG, Vasudevan SA. Management of Benign Liver Tumors in Children: A 10-year Institutional Experience. 3rd Annual Texas Children's Hospital Department of Surgery Research Day, Houston, TX, June 1, 2012.
 25. *Rojas Y, Werneke CL, Dhamne CA, Tsao K, Nuchtern JG, Lally KP, Vasudevan SA, Hayes-Jordan A, Cass DL, Herzog CE, Hicks MJ, Austin MT, **Kim ES**. Primary Malignant Pancreatic Neoplasms in Children and Adolescents – a 20 Year Experience. 3rd Annual Texas Children's Hospital Department of Surgery Research Day, Houston, TX, June 1, 2012.
 26. *Fallon SC, *Larimer EL, *Gwilliam NR, Nuchtern JG, Rodriguez JR, Lee TC, Lopez ME, **Kim ES**. Increased Complication Rates Associated with Port-A-Cath Placement in Pediatric Patients: Location Matters. 3rd Annual Texas Children's Hospital Department of Surgery Research Day, Houston, TX, June 1, 2012.
 27. *Hsu DM, Agarwal S, Coarfa C, Gunaratne P, Shohet JM, **Kim ES**. Molecular and Cellular Phenotype of a Novel Cancer Stem Cell Population in Neuroblastoma. 3rd Annual Texas Children's Hospital Department of Surgery Research Day, Houston, TX, June 1, 2012.
 28. Barbieri E, Preter K, Capasso M, Johansson P, Chen Z, Stowers P, Agarwal S, **Kim ES**, Speleman F, Shohet JM. The epigenetic modifier CHAF1A regulates neuroblastoma differentiation and is a novel prognostic indicator for poor survival. 2120 Advances in Neuroblastoma Research Conference, Toronto, Ontario, Canada, June 18-21, 2012.
 29. Agarwal S, *Patterson DM, Chen Z, Barbieri E, Coarfa C, **Kim E**, Gunaratne P, Shohet JM. Epigenetic regulation of differentially expressed microRNAs in neuroblastoma cancer stem cell-like population. 2012 Advances in Neuroblastoma Research Conference, Toronto, Ontario, Canada, June 18-21, 2012.
 30. *Stowers P, *Hsu DM, Agarwal S, Trahan D, *Lakoma A, Barbieri E, Chen Z, Shohet JM, **Kim ES**. In vivo effect of chemotherapy and G-CSF on CD114+ neuroblastoma stem cell-like subpopulation. Cancer Prevention & Research

- Institute of Texas: Innovations in Cancer Prevention and Research Conference, Austin, TX, October 24-26, 2012.
31. Agarwal S, Hsu DM, Chen Z, **Kim ES**, Shohet JM. Targeting STAT3 Pathway by Stattic Inhibits the Neuroblastoma Cancer Stem Cell-like Cells. Cancer Prevention & Research Institute of Texas: Innovations in Cancer Prevention and Research Conference, Austin, TX, October 24-26, 2012.
 32. Agarwal S, Chen Z, Hsu D, **Kim E*** and Shohet JM*. G-CSF dependent regulation of STAT3 in neuroblastoma cancer stem cell-like subpopulations. Texas Children's Cancer Center Research Symposium, Houston, TX, April 18, 2013. (*co-senior authors)
 33. Agarwal S, Chen Z, Hsu D, **Kim E*** and Shohet JM*. G-CSF dependent regulation of STAT3 in neuroblastoma cancer stem cell-like subpopulations. American Association for Cancer Research Annual Meeting, Washington, DC, April 6-10, 2013. (*co-senior authors)
 34. Ma IT, Fan Y, Patel RH, Cheng J, **Kim ES**, Shohet JM, Yang J, Vasudevan SA. DUSP 26 inhibition: a new therapeutic pathway in neuroblastoma. American Association for Cancer Research Annual Meeting, Washington, DC, April 6-10, 2013.
 35. Mazloom A, Louis C, Nuchtern J, **Kim E**, Allen-Rhoades W, Krance R, Paulino A. Does the Degree of Resection Affect Locoregional Control in Children Receiving 24 Gy to the Primary Site for High-Risk Neuroblastoma? American Radium Society 95th Annual Meeting, Scottsdale, AZ, April 27-May 1, 2013.
 36. *Lakoma A, Barbieri E, *McVay M, Chen Z, Adhikari C, Shohet JM, **Kim ES**. The novel MDM2 inhibitor RG7388 is highly effective against neuroblastoma in vitro and in vivo. Children's Oncology Group Annual Meeting, Young Investigator Poster Session, Dallas TX, October 10, 2013.
 37. Cheng J, Fan Y, Rojas Y, Vasudevan S, Nuchtern JG, **Kim ES**, Yang J. A small molecule inhibitor of Ubc13 induces neuroblastoma cell-death via activating p53 and JNK pathways. American Association of Cancer Research Pediatric Cancer at the Crossroads: Translating Discovery into Improved Outcomes Conference, San Diego, CA, November 3-6, 2013.
 38. Barbieri E, Chen Z, *Lakoma A, **Kim, E**, Shohet J. The epigenetic modifier CHAF1A opposes neuroblastoma differentiation via metabolic reprogramming. American Association of Cancer Research Pediatric Cancer at the Crossroads: Translating Discovery into Improved Outcomes Conference, San Diego, CA, November 3-6, 2013.
 39. Agrawal S, Chen Z, Adhikari C, **Kim E**, Shohet J. Neuroblastoma CSC-like cells respond to G-CSF cytokine via STAT3 mediated transcription. American Association of Cancer Research Pediatric Cancer at the Crossroads: Translating Discovery into Improved Outcomes Conference, San Diego, CA, November 3-6, 2013.
 40. *Lakoma A, Barbieri E, *McVay M, Chen Z, Adhikari C, Shohet JM, **Kim ES**. The novel MDM2 inhibitor RG7388 is highly effective against neuroblastoma in vitro and in vivo. American Association of Cancer Research Pediatric Cancer at

- the Crossroads: Translating Discovery into Improved Outcomes Conference, San Diego, CA, November 3-6, 2013.
41. Rojas Y, Jaramillo S, Lyons K, Mahmood N, Wu J, Liu H, Vasudevan SA, Guillerman RP, Louis CU, Nuchtern JG, **Kim ES**. Identifying the optimal number of cycles of chemotherapy prior to surgical resection in high-risk neuroblastoma. 5th Annual Texas Children's Hospital Department of Surgery Research Day, Houston, TX, May 9, 2014.
 42. Fallon SC, Zhang W, Lopez ME, Brandt ML, Kim ME, Rodriguez JR, Mazziotti MV, Wesson DE, Nuchtern JG, **Kim ES**. Variation in individual surgeon practice in the treatment of appendicitis. 5th Annual Texas Children's Hospital Department of Surgery Research Day, Houston, TX, May 9, 2014.
 43. Barbieri E, Chen Z, Lakoma A, **Kim ES**, Shohet JM. The epigenetic modifier CHAF1A opposes neuroblastoma differentiation via metabolic reprogramming. 2014 Advances in Neuroblastoma Research Conference, Cologne, Germany, May 13-16, 2014.
 44. Rojas Y, Louis CU, Nuchtern JG, **Kim ES**. Optimizing chemotherapy prior to surgery in high-risk neuroblastoma. American Academy of Pediatrics, National Conference and Exhibition, Section on Surgery, San Diego, CA, October 11-14, 2014.
 45. Agarwal S, *Lakoma A, Chen Z, Shohet JM, **Kim ES**. The G-CSF/STAT3 signaling axis regulates tumorigenic and metastatic potential of neuroblastoma cancer stem cells. Society of University Surgeons Poster Session, 10th Annual Academic Surgical Congress, Las Vegas, NV, February 3-5, 2015.
 46. Molas-Torreblanca K, Avila H, **Kim ES**, Shillingford N, Mascarenhas L, Don D. When wheezing is not always asthma: a rare cause of lower airway obstruction. Pediatric Hospital Medicine 2015, San Antonio, TX, July 23-26, 2015.
 47. Jackson JR, Kim Y, Seeger R, **Kim ES**. A novel minimal residual disease model of neuroblastoma in mice. American Association for Cancer Research Advances in Pediatric Cancer Research: From Mechanisms and Models to Treatment and Survivorship, Fort Lauderdale, FL, November 9-12, 2015.
 48. Starosolski Z, Ghaghada K, Lakoma A, Chen Z, **Kim E**, Shohet J, Annapragada A. In vivo 3D interrogation of tumor vascular heterogeneity using high resolution CT imaging and nanoparticle contrast agent. Cancer Prevention & Research Institute of Texas, Innovations in Cancer Prevention and Research Conference, Austin TX, November 9-10, 2015.
 49. Jackson JR, Kim Y, Seeger R, **Kim ES**. A novel surgical resection model of minimal residual disease. Southern California Chapter, American College of Surgeons, Santa Barbara, CA, January 15-17, 2016.
 50. Jackson JR, Wu HW, Sun J, Wang L, Seeger RC, **Kim ES**. Natural killer cell assisted immunotherapy decreases incidence of metastasis in an orthotopic neuroblastoma mouse model. American Pediatric Surgical Association – International Society of Paediatric Surgical Oncology, San Diego, CA, May 14-15, 2016.
 51. Jackson JR, Wu HW, Asuelime G, Sun J, Seeger RC, **Kim ES**. Activated natural killer cell treatment combined with anti-GD2 therapy decreases metastasis and

- improves survival in a neuroblastoma mouse model of minimal residual disease. Children's Hospital Los Angeles, The Saban Research Institute 21st Annual Poster Session, Los Angeles, CA, June 7, 2016.
52. Jackson JR, Wu HW, Asuelime GE, Sun J, Seeger RC, **Kim ES**. Anti-GD2 antibody combined with activated natural killer cells leads to improved survival and decreased metastasis in a minimal residual disease mouse model of neuroblastoma. 2016 Advances in Neuroblastoma Research Congress, Cairns, Australia, June 19-23, 2016.
 53. *Isani M, *Schlieve C, *Jackson J, Elizee M, **Kim E**. Is less more? Laparoscopic versus open Ladd's procedure in children with malrotation. American College of Surgeons, 2016 Clinical Congress, Scientific Forum, Washington, DC, October 16-20, 2016.
 54. *Barry WE, Asuelime G, Wang L, **Kim ES**. The impact of granulocyte colony stimulating factor on disease burden and survival in a murine model of minimal residual disease in neuroblastoma. The Saban Research Institute 22nd Annual Poster Session, Children's Hospital Los Angeles, Los Angeles, CA, April 14, 2017.
 55. *Barry WE, Asuelime G, Wang L, **Kim ES**. The in vitro and in vivo effects of granulocyte colony-stimulating factor on metastatic neuroblastoma. American Association for Cancer Research Pediatric Cancer Research: From Basic Science to the Clinic, Atlanta, GA, December 3-6, 2017.
 56. Wang QM, Rajapakshe K, Tomolonis, J, Agarwal S, **Kim E**, Coarfa C, Shohet J. Single cell RNAseq of MYCN-amplified and non-amplified neuroblastoma reveals intratumoral heterogeneity. American Association for Cancer Research Pediatric Cancer Research: From Basic Science to the Clinic, Atlanta, GA, December 3-6, 2017.

Audio/Video

1. **Kim ES**, Reed T: Central line dressing.
<http://www.youtube.com/watch?v=U8PRref22Yg>, 2010. Educational video posted on YouTube to help standardize central line dressings in the operating room. Initially created to educate members of our Division of Pediatric Surgery as a Quality Improvement Project, 457 views.
2. **Kim ES**, Delemos D: Pigtail thoracosotomy catheter placement in children, 2011. Simulation lab training of pigtail thoracosotomy catheter placement in children. Video procedural technique training for Pediatric Emergency Medicine faculty. Video posted on PEM training website.

Internet Publication

1. Zage P, **Kim ES**: Are "Open" Surgical Biopsies Required For Children With Neuroblastoma? Is Less More? Texas Children's Hospital Pediatric Health Blog, co-written with Dr. Peter Zage, Pediatric Oncology, October 4, 2012. Blog targeted to parents to discuss and educate new ways to biopsy neuroblastoma tumors. <http://www.texaschildrensblog.org/2012/10/are-open-surgical-biopsies-required-for-children-with-neuroblastoma-is-less-more/>

Media Appearances

1. Second doctor opinion could save your kid's life, KTRK-TV, ABC Houston, April 30, 2012. Television news piece to educate parents to seek out additional medical expertise when their child is having ongoing medical symptoms. Aired twice on local news and posted on website.
<http://abclocal.go.com/ktrk/story?section=news/health&id=8642259>
2. Mom's intuition likely saves daughter's life, KPRC, NBC Houston, May 11, 2012. Television news piece to educate mothers to trust their intuition when their child is not progressing well. Aired twice on local news, nationally distributed, and posted on website.
<http://www.click2houston.com/news/Mom-s-intuition-likely-saves-daughter-s-life/-/1735978/13061674/-/14tu1a5/-/index.html>
3. Hear Maiya's Story, KTRK-TV, ABC Houston, November 30, 2012. Television news piece to educate parents on being their child's advocate and to continue to seek medical advice when your child is not well. Aired three times over the 2012 winter holiday season.
<http://abclocal.go.com/ktrk/video?id=8904616>
4. Red wagons at Texas Children's Hospital help ease anxiety for young patients, parents, KTRK-TV, ABC Houston, February 25, 2013. Television news piece which educates parents on the ancillary services at Texas Children's Hospital, specifically Child Life Services. Aired twice on local news and posted on website.
<http://abclocal.go.com/ktrk/story?section=news/health&id=9006692>
5. It Takes Two: Children's Hospital Los Angeles-Providence Saint John's Neonatal Care Partnership Helps Newborn Twins Overcome Early Obstacles, Yahoo Finance, October 17, 2017. News piece which promoted and shared the benefits of the new alliance between Children's Hospital Los Angeles and Saint John's Hospital.
<https://finance.yahoo.com/news/takes-two-children-hospital-los-205700827.html>

Other

1. End of Life, Twitter Tweet Chat Hosted by ABC News and Chief Health Correspondent, Dr. Richard Besser, February 19, 2013. Invited expert for online tweet chat to discuss, educate, and debate end of life issues in children and adults as well as hospice care. 903 Tweets (excl RT), 1903 Tweets (incl RT), True Reach 30.1 million. Transcript: <http://sfy.co/r1nM> Story: <http://abcn.ws/13fwjKb>