

**A1. Title Page**

In Response to RFP:

Glendale Start-Up Tech Accelerator Operator



Submitted by:

**Omkar P. Kulkarni, MPH**

Chief Innovation Officer, Children's Hospital Los Angeles

Founder & Managing Director, KidsX Accelerator

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Ms. Jennifer Hiramoto,

Thank you for your work to develop Glendale and the Tri-City region as a strong ecosystem in technology creation and development. Glendale's emphasis on technology and innovation, coupled with successful startups that have been launched by its residents, have made Glendale an up-and-coming hub within Southern California for tech and innovation. Your latest venture, the establishment of an accelerator program, will have a lasting impact on the region and its economy.

Healthcare is a leading driver of the economy in Los Angeles County. There are new healthcare technology incubators and accelerators that are starting to support the ecosystem. In addition, Los Angeles is home to three of the nation's top 20 health systems as well as the highest ranked children's hospital in the Western United States. Los Angeles is also home to exceptional academic institutions that produce a highly skilled workforce that can support these fledgling healthcare startups. Healthcare technology is a fast growing sector in the Los Angeles market. Given the proper support, Los Angeles will soon challenge San Francisco and Boston to be a national leader in health tech innovation.

Children's Hospital Los Angeles is a pioneer amongst pediatric hospitals. It is one of few pediatric hospitals in the country to focus efforts in digital technology and innovation. The CHLA Innovation Studio has a strong blend of expertise in technology, innovation, medicine, community engagement and business management. For many years, CHLA has been partnering with hundreds of startups focused on improving the health and lives of children.

Now, CHLA is poised to make a national impact in innovation, by bringing together leading pediatric hospitals from across the country that are interested in healthcare technology and entrepreneurship.

We are excited to launch the KidsX Accelerator in 2020 and hope to partner with the City of Glendale to make Glendale the national hub for pediatric digital health innovation.

With your help, we will bring together the nation's leading pediatric hospitals, the most promising digital health leaders together and the Glendale tech talent to create the best healthcare technology Accelerator in the country.

And in doing so, we will improve the lives of children across the country - today and for many years to come.

Thank you for your consideration.

Sincerely,

Omkar P. Kulkarni, MPH

## **B1: Primary Entity and Program Partner Information**

- i. **Entity Name** – The KidsX Digital Health Accelerator (“Accelerator”) is operated exclusively by the Children’s Hospital Los Angeles. The Accelerator is a membership organization, which includes prominent children’s hospitals from across the United States, including, but not limited to:
  - 1. Akron Children’s Hospital – Akron, OH
  - 2. Arnold Palmer Children’s Hospital – Orlando, FL
  - 3. Children’s Health – Dallas, TX
  - 4. Children’s Healthcare of Atlanta – Atlanta, GA
  - 5. Children’s Hospital Illinois – Peoria, IL
  - 6. Children’s Hospital Los Angeles – Los Angeles, CA
  - 7. Children’s Hospital New Orleans – New Orleans, LA
  - 8. Children’s Mercy Kansas City – Kansas City, MO
  - 9. Children’s Wisconsin – Milwaukee, WI
  - 10. Golisano Children’s Hospital – Rochester, NY
  - 11. Goryeb Children’s Hospital – Morristown, NJ
  - 12. Nemours Children’s Health System – Wilmington, DE
  - 13. Nicklaus Children’s Hospital – Miami, FL
  - 14. Rainbow Babies & Children’s Hospital – Cleveland, OH
  - 15. Seattle Children’s Hospital – Seattle, WA
  - 16. St. Luke’s Children’s Hospital – Boise, ID
  - 17. Texas Children’s Hospital – Houston, TX
  - 18. UCSF – Benioff Children’s Hospital – San Francisco, CA
  
- ii. **Contact information for primary entity including:**
  - i. Omkar Kulkarni, Chief Innovation Officer, Children’s Hospital Los Angeles
  - ii. 4650 Sunset Boulevard, Los Angeles 90027
  - iii. Mobile: 323.217.5733
  - iv. Email: OKulkarni@chla.usc.edu
  
- iii. Children’s Hospital Los Angeles (“CHLA”) is a 501c3 not-for-profit organization, founded in 1902. The Children’s Hospital Los Angeles Innovation Studio was founded in 2018 and the Accelerator was founded in 2019.
  
- iv. The CHLA Innovation Studio, housed within CHLA, will be responsible for operating the Accelerator.

- v. Omkar Kulkarni, MPH, has served as the Chief Innovation Officer for CHLA since 2018. In this capacity he oversees the health system's innovation infrastructure, including but not limited to innovation management & governance, oversight of two national accelerators (KidsX & CTIP), care model innovation, strategic digital innovation and establishing a culture of pediatric innovation in CHLA and in Southern California. Prior to joining Children's Hospital Los Angeles, Mr. Kulkarni was at Cedars-Sinai Health System for 11 years, including a founder and Executive Director of the Cedars-Sinai Accelerator powered by Techstars. In that role, Mr. Kulkarni sourced, engaged and recruited over 3,000 startups to apply for the Accelerator. Further, he ran the accelerator program and mentored 30 startups to get pilots at Cedars-Sinai. Mr. Kulkarni is a regional and national thought leader in digital health innovation. He sits on executive steering committees at ScaleLA, the Beach Cities Health District, the Innovation Learning Network, Together.Health, the American Hospital Association Innovation Center and the Healthcare Innovation Professionals Society. He regularly presents his work at national health tech conferences such as HLTH, HIMSS, Connected Health, ILN, and Becker's Healthcare Conference.

The CHLA Innovation Studio – the operator of the KidsX Digital Health Accelerator -- has been operationally funded by CHLA since 2018. The Innovation Studio has an annual operating budget of \$1,179,000, including wage & non-wage expenses. This budget supports staff and other expenses required to operate the CHLA Innovation Studio, including but not limited to, virtual care model implementation, idea management and governance, strategic digital innovation, events/workshops/hackathons to educate and raise awareness regionally and nationally. The Innovation Studio is also the operator of a medical device accelerator program. This program, the Consortium for Technology and Innovation in Pediatrics (CTIP) is funded entirely by a 5-year grant from the Food & Drug Administration (FDA) for \$6,200,000. The grant was awarded in 2018 and expires in 2022.

## B2: Key Personnel

- i. KidsX Accelerator Administrative Core Team
  - a. Omkar Kulkarni, Founder & Managing Director, KidsX Digital Health Accelerator
    - i. Omkar Kulkarni, MPH, has served as the Chief Innovation Officer for Children's Hospital Los Angeles since 2018. In this capacity he oversees the health system's innovation infrastructure, including but not limited to innovation management & governance, oversight of two national accelerators (KidsX & CTIP), care model innovation, strategic digital innovation and establishing a culture of pediatric innovation in CHLA and in Southern California. Prior to joining Children's Hospital Los Angeles, Mr. Kulkarni was at Cedars-Sinai

Health System for 11 years, including a founder and Executive Director of the Cedars-Sinai Accelerator powered by Techstars. In that role, Mr. Kulkarni sourced, engaged and recruited over 3,000 startups to apply for the Accelerator. Further, he ran the accelerator program and mentored 30 startups to get pilots at Cedars-Sinai. Mr. Kulkarni is a regional and national thought leader in digital health innovation. He sits on executive steering committees at ScaleLA, the Beach Cities Health District, the Innovation Learning Network, Together.Health, the American Hospital Association Innovation Center and the Healthcare Innovation Professionals Society. In his role as KidsX Managing Director, Mr. Kulkarni will be responsible for the success of the Accelerator, including setting strategy, goals, timelines and operational imperatives. He will also be responsible for ensuring member satisfaction and for ensuring that the City of Glendale is highly engaged, involved and satisfied with the progress of the Accelerator.

- b. Eric Meyer, Program Director, KidsX Digital Health Accelerator
  - i. Eric is an Innovation Strategist within the CHLA Innovation Studio. His two current focus areas are the development and implementation of the KidsX Digital Health Accelerator and leading the development of digital tools to impact social and emotional determinants of health outcomes. Over the past 8 years, Mr. Meyer has led improvement initiatives within four large, dynamic healthcare organizations in both the inpatient and outpatient clinical environments. Mr. Meyer graduated with a Masters of Health Administration from the University of Southern California, practices and deploys the Human Centered Design methods and mindsets of IDEO, and earned advanced Lean training from the Virginia Mason Institute. In his role as Program Director for the Accelerator, Mr. Meyer is responsible for ensuring the day-to-day operational goals of the Accelerator are met. He is accountable for ensuring that the startup companies in the Accelerator are achieving their weekly Objectives and Key Results (OKRs) and that the KidsX Accelerator Administrative Core Team is achieving its weekly goals and objectives. Mr. Meyer is also responsible for overseeing company recruitment, screening, selection prior to the launch of each cohort.
- c. Alexandra Arnett, Community, Partnerships & Events, KidsX Accelerator
  - i. Ms. Arnett is the Program Coordinator for the Children's Hospital Los Angeles Innovation Studio where she is focused on supporting the Los Angeles healthcare technology ecosystem and empowering entrepreneurs to develop solutions aligned with pediatric healthcare needs. Ali is also a co-lead of the Los Angeles chapter of Health 2.0 and helps to plan med-tech events for the chapter's 1600 members. Ms. Arnett, will be responsible for building and nurturing a community in Glendale that will support the startups in the KidsX Accelerator. She will build partnerships with key individuals and

organizations in the City of Glendale and will engage them in ways that are beneficial to them as well as the companies in the Accelerator. Ms. Arnett will manage the pool of KidsX Mentors, ensuring that there is a robust pool of individuals willing to voluntarily help the companies in the program. Finally, Ms. Arnett is responsible for events, ensuring that there is sufficient programming to promote both the KidsX Accelerator, but also health tech in the Glendale community.

d. Yael Kessler, RN, Entrepreneur in Residence, KidsX Accelerator

- i. Ms. Kessler is the administrative fellow at Children's Hospital Los Angeles, where she uses her 10 years of bedside nursing experience to disrupt, innovate and improve healthcare delivery across the care continuum. She earned her bachelor's degree in Nursing from the University of Pennsylvania in 2009 and has spent the past 10 years as a bedside nurse working in a variety of settings. Her experience includes solid organ transplant, neonatal ICU, nursery and general pediatrics, but, has been specialized to pediatric critical care for the past 7 years. She is both a certified pediatric nurse and a certified pediatric critical care nurse. While working as a PICU RN at Cedars-Sinai, she has earned the President's Award for Excellence, a Circle of Friends Award and has been a poster presenter at Western Society of Pediatric Cardiology for their work on the "Implementation of Effective Intranasal Sedation Protocol". Ms. Kessler spent 2 months working on the Mercy Ship as a PICU RN in Benin, Africa and volunteered with International Children's Heart Foundation in Guyana on a team dedicated to training Guyanese doctors and nurses to care for critical pediatric post- op cardiac surgery patients. After this vast experience, she decided to get her Master's in Public Health to expand her ability to have meaningful impact on improving healthcare delivery. Ms. Kessler graduated from the UCLA Fielding School of Public Health with a Master's in Public Health in Health Policy and Management in 2019 and began her 1-year administrative fellowship at CHLA in July 2019.

In her role as EIR, Ms. Kessler will utilize her unique skills set as a hospital bedside nurse, to offer startup companies with guidance regarding the actual clinical application of the software tools they are developing. Ms. Kessler will help source and recruit promising companies and will be a key part of selecting the companies selected into the cohort.

e. Jeffrey Gold, PhD, Digital Health Provider Lead, KidsX Accelerator

Jeffrey I. Gold, PhD, is a Professor in the Departments of Anesthesiology, Pediatrics, and Psychiatry & Behavioral Sciences at the Keck School of Medicine, University of Southern California. Dr. Gold, a licensed clinical psychologist, Director

Emeritus and Founder of the Pediatric Pain Management Clinic within the comprehensive multidisciplinary Pain Medicine and Palliative Care Program in the Department of Anesthesiology Critical Care Medicine. He also is the director of the Children's Outcomes, Research, and Evaluation (C.O.R.E.) program, and faculty with the pediatric psychology specialization within the USC University Center of Excellence in Developmental Disabilities Mental Health Services at Children's Hospital Los Angeles. Dr. Gold is actively engaged in the evaluation and utility of complementary and alternative medicine (i.e., virtual reality, massage, acupuncture) for reducing pain, anxiety, psychological distress and increasing comfort and satisfaction in hospitalized children. Dr. Gold has specialized in the assessment, treatment, and clinical investigation of acute and chronic pain and other health outcomes (e.g., health-related quality of life, PTSD) in children, adolescents, and adults with various chronic medical illnesses and chronic pain conditions. After graduating with his doctoral degree in clinical psychology (1999), Dr. Gold completed a research fellowship at the National Center for Posttraumatic Stress in Boston and later a clinical post-doctoral fellowship in the Departments of Hematology/Oncology and Psychiatry at the UCSF Benioff Children's Hospital Oakland. The following year, he served as the project director for the Posttraumatic Stress Disorder Research Program of the VA San Francisco Health Care System. From June 2000 to October 2001, Dr. Gold was the project director for the Cancer Pain Research Program of the VA Palo Alto Health Care System. In his role as KidsX Digital Health Provider Lead, Dr. Gold will support the recruitment, screening and selection of companies into the Accelerator. He will also mentor companies and guide them towards the best potential entry point into the health system. With Dr. Gold's experience as a digital health researcher, he will also guide companies on important research opportunities within the prominent pediatric health systems that are members of KidsX.

- f. Juan Espinoza, MD, Digital Health Provider Lead, KidsX Accelerator  
After completing his undergraduate degree at Washington University in St. Louis, Juan Espinoza received an Intramural Research Training Award (IRTA) at the Immunotherapy Unit of the National Institute on Aging at the National Institutes of Health. During his time at the NIH, Juan worked on small molecule design, developing new therapeutic and research tools. Successively, Juan attended the USC Keck School of Medicine, receiving his MD in 2010. Juan completed his pediatric residency at Children's Hospital Los Angeles in 2013, and in 2014 he became an Assistant Professor of Clinical Pediatrics at Children's Hospital Los Angeles and the USC Keck School of Medicine. Dr. Espinoza's clinical time

is focused on complex care coordination and obesity management, while his research focuses on digital health, health information systems, and patient-generated health data. He is the CTSI Director of Clinical Research Informatics for CHLA, and Medical Director of the CHLA Innovation Studio. In 2016, he joined the team at CTIP (The West Coast Consortium for Technology & Innovation Pediatrics) and took over as Director and Principal Investigator in 2018 with a new \$6.6 million FDA grant. The guiding principle of Dr. Espinoza's work is that data and technology have the potential to narrow the health gap faced by underserved communities all over the world. Juan's academic interests are complemented by his experiences outside of medicine; in 2010 he co-founded GC/MDDM, a digital media production company that works with television, film, web, and mobile technologies. Through this endeavor, he has partnered with both the entertainment and healthcare industries to create and implement technology and media solutions to healthcare and education problems. Dr. Espinoza utilizes these same skills in his teaching, research, and clinical practice. In his role as Digital Health Provider Lead, Dr. Espinoza will support the recruitment, screening and selection of companies into the Accelerator. He will also mentor companies and guide them towards the best potential entry point into a health system. With Dr. Espinoza's experience as a digital health researcher, he will also guide them on important research opportunities within the prominent pediatrics health systems that are members of KidsX.

g. Charlotte Cramer, Design Thinking Lead, KidsX Accelerator

After working in advertising in London selling KIT KAT bars and Krispy Kreme burgers, Charlotte shifted her career to leverage the strategic-problem solving process from the advertising industry to address the social and behavioral problems advertising was perpetuating. Charlotte is now an LA-based Strategy Consultant leveraging neuroscience and behavior change theory to design experiences which improve people's mental and physical health. Charlotte currently works at Children's Hospital Los Angeles (CHLA) Innovation Studio where she manages digital products and communications addressing design challenges across the Los Angeles health ecosystem such as: optimizing internal innovation pipelines; improving outcomes transition of care from pediatrics to adult care; and reducing opioid misuse. Prior to joining CHLA Charlotte worked in San Francisco with brands including Facebook and Google and was the Strategy Director of "Plant B": a TV show and digital platform starring the 'Jon Stewart of the Middle East',



Bassem Youssef. The show has inspired and enabled more than 10 million Arabs to decolonize their diets by eating more plants. Charlotte is also the Co-Founder of award-winning non-profit, CRACK + CIDER, which has provided essential items to over 40,000 homeless people in the U.K. and U.S. Charlotte writes and speaks about the subjects of Design Thinking, Innovation and Behavior Change Strategy at the likes of Rock Health, Cannes Lions, SXSW, HIMSS, University of the Arts, London, and The Huffington Post. She is currently pursuing a Master's Degree in Neuroscience. In her role as Design Thinking Lead, Ms. Cramer will facilitate key sessions with KidsX hospital members to identify core common problems and to develop challenge statements that align with each hospital's strategic needs.

*NOTE: Resumes for KidsX Accelerator Administrative Core Team can be found in Appendix A*

ii. KidsX Accelerator Members

- i. The KidsX Accelerator program is unique in that it involves a consortium of the leading pediatric health systems in the country. As such, the Accelerator will allow startups a unique ability to develop their solutions with a diverse array of mentors and to test and implement their products in markets across the United States. The following national leaders will be actively involved in the KidsX Accelerator.

1. Akron Children's Hospital

- **Stefan Agamanolis, PhD**, serves as chief innovation officer at Akron Children's Hospital. In this role, he oversees the organization's Innovation Center, which engages in collaborations and co-development partnerships with outside entities; commercializes inventions and intellectual assets through licensing and start-ups; and supports internal strategic planning and problem solving.

2. Arnold Palmer Children's Hospital

- **Michael Schmidt** is the Managing Director of Strategic Innovations at Orlando Health. He is a disruptive innovator who drives business strategy, builds comprehensive and collaborative teams, accelerates innovation/commercialization capabilities and thoughtful change management. Marketing & Fundraising Background. Deep understanding of healthcare consumer tech and digital health tools. MBA from the University of Florida.

3. Children's Health – Dallas

- **Micky Fokken** is the Care Delivery Innovations Lab at Children's Health, a multi-faceted children's health system in Dallas, Texas. He is passionate about improving healthcare through digital innovation. He leads the Children's Health Innovation Program, where his team facilitates processes for

exploring and executing internal and external innovative opportunities. He also oversees program development, evaluation, grants management, and portfolio management for the Network Development and Innovation division. Working at Children's Health since 2010, he has also served in leadership roles in HR and the Learning Institute, leading the performance improvement and HR analytics programs. Prior to Children's Health, Micky worked for eInstruction, an education technology company. He holds a BS and MS in Applied Technology and Performance Improvement from the University of North Texas, along with a MS in Healthcare Administration from the University of Birmingham at Alabama.

4. Children's Healthcare of Atlanta

- **Eric Goldstein** is the Director of Innovation at Children's Healthcare of Atlanta. In his role, Mr. Goldstein oversees population health IT and innovative solutions to ensure children in Atlanta are receiving the highest quality, highest value of healthcare.

5. Children's Hospital Illinois

- As the VP and Chief Medical Officer of Jump Simulation, **Dr. John Vozenilek** provides central coordination and oversight for OSF Healthcare's undergraduate, graduate, interdisciplinary, and continuing medical education programs. Under his direction, the OSF Healthcare and the University Of Illinois College Of Medicine Peoria have created additional organizational capabilities and infrastructure, building resources for educators who wish to use additional innovative learning technologies for teaching and assessment. As the Duane and Mary Cullinan Professor in Simulation Outcomes Dr. Vozenilek is actively involved in the academic programs across traditional departmental boundaries and in clinical practice at OSF Healthcare. In addition to his role in simulation, Dr. Vozenilek teaches master's degree candidates in the fields of simulation, healthcare quality and safety, and is formally appointed in the UI Urbana-Champaign college of engineering to teach biodesign.

6. Children's Hospital New Orleans

- **Jonathan Brouk** is Assistant Vice President, Strategic Planning, Innovation and Business Analytics. Brouk is responsible for supporting the Children's Hospital leadership team when analyzing new business ventures and partnerships and building consensus around key strategic initiatives. He develops business analytics programs which will offer our leaders more visibility into the hospital's

performance to help the entire organization make better informed, data-driven decisions.

7. Children's Mercy Kansas City

- **Dawn Wolff** is the Chief Strategy Officer for Children's Mercy Hospitals and Clinics in Kansas City, MO. She is responsible for comprehensive strategic planning, business and innovation development, and community health initiatives on behalf of the hospital system. She ensures unified and coordinated strategic planning activities that promote innovative and transformational growth consistent with and supportive of the overarching strategic plan. Dawn has oversight for the Department of Strategic Planning which includes leadership over Planning and Business Analysis, Community Health Initiatives, and Innovation Development for the hospital system.

Dawn led the planning process for the Children's Mercy's 2012 Strategic Plan which established the Hospital's strategic priority areas and 2022 Vision. She developed the Strategic Initiative process which facilitates the evaluation and creation of new and/ or expanded programs and services that are aligned with the Hospital's strategic priorities. As part of these efforts, she played a lead role in the development of programs like the Elizabeth J. Ferrell Fetal Health Center, Sports Medicine Center, and a comprehensive Transplant Center. She is integral in the development of the Facility Master Plan to support continued growth in existing and new markets.

Dawn also oversees the Hospital's Community Benefit and Community Health activities, completing the first Pediatric Community Health Needs Assessment and Implementation Plan for the Kansas City area. She played an instrumental role in the development of the Children's Center for Pediatric Innovation and Innovation Lifecycle and is now responsible for its oversight and implementation.

8. Children's Wisconsin

- **Christopher Neuharth** is the Director of Digital Health & Experience for Children's Hospital of Wisconsin. The Digital Health & Experience team's mission is to lead a digital health transformation for Children's that extends and strengthens relationships with families. The team develops a deeper understanding of child and family needs, identifies new technologies, jump-starts operational readiness, and embraces families with a new digital healthcare ecosystem. Prior to joining Children's, Christopher worked for 16 years leading digital software product management & user experience teams across the finance and healthcare space.

9. Golisano Children's Hospital – Rochester, NY

- **Dr. Lauren Bruckner** is Associate Professor of Pediatrics and Oncology, and the Clinical Director of the Pediatric General Inpatient Units at the Golisano Children's Hospital, University of Rochester Medical Center (URMC). She earned her medical degree and PhD in Microbiology and Immunology at SUNY at Upstate Medical Center. Subsequently, she completed her residency in Pediatrics and fellowship training in hematology and oncology at URMC. Associate Professor of Pediatrics & Oncology, Dr. Bruckner leads and provides oversight to the clinical operations of the Golisano Children's Hospital including the admission process and bed capacity management, optimizing the use of the electronic medical record (eRecord), patient and family satisfaction, and quality of care, safety, and regulatory initiatives.

10. Goryeb Children's Hospital – Morristown, NJ

- **Dr. Sylvia Romm** is driven by a passion for transforming health care delivery to patients and communities. She brings her background and expertise as a clinician and an entrepreneur to her role as Chief Innovation Officer for Atlantic Health System. Firmly believing that a patient-centered focus is vital to health care innovation, Dr. Romm works with Atlantic Health System's team members and physicians to find new ways to improve access to high-quality, affordable care. She also forges relationships with local and national innovation partners and works to expand our organization's research profile. Dr. Romm is an avid author and speaker in the areas of health care, technology and health information technology (IT) policy. She has written articles for various publications, including NEJM Catalyst, Forbes, KevinMD, and the Huffington Post, and was named one of FierceHealthCare's 8 Influential Women Reshaping Health IT and Becker's Women in Health IT to Watch in 2020. A board-certified pediatrician, Dr. Romm has served in a variety of clinical leadership roles throughout her residency and as a hospitalist. Before joining Atlantic Health System, she was Vice President of Clinical Transformation for American Well, the largest video-based telemedicine company in the United States. In addition, she was the founder of MilkOnTap, the nation's first telehealth company focused on the needs of nursing mothers and lactation support. Dr. Romm earned her Master of Public Health in Global Health from Harvard TH Chan School of Public Health. She holds a medical degree from the University of

Arizona College of Medicine and completed her residency in pediatrics at Massachusetts General Hospital.

11. Nemours Children's Health System

- **Carey Officer** is the Operational Vice President of Nemours CareConnect, Center for Health Delivery Innovation at Nemours Children's Health System where she provides critical leadership and support for researching, evaluating and incubating innovative clinical service delivery strategies including Telehealth. She led the launch of Nemours telemedicine service in 2015. Nemours is an integrated children's health system with two freestanding hospitals, 90 pediatric and specialty care locations in Delaware, Florida, Georgia, Pennsylvania and New Jersey, and a leader in providing digital health services and support to its affiliated hospital partners, physician practices and for emergency transport. Carey joined Nemours in 2011 as a Senior Strategic Financial Planning Consultant. Carey has more than 15 years of experience in the health care industry, including strategy, financial and operational consulting serving large not-for-profit and for-profit health care systems. Carey received her bachelors' degree in accounting from the University of Tennessee at Knoxville.

12. Nicklaus Children's Hospital

- **Dr. Jennifer McCafferty-Fernandez** currently serves as the Chief Research Officer for Nicklaus Children's Hospital and Miami Children's Health System, including oversight of the AAHRPP-accredited human research protections program and clinical trial operations units. She is a Clinical Assistant Professor of Pediatrics at the Herbert Wertheim College of Medicine at Florida International University. In addition, she leads the MCHS Personalized Medicine research initiatives and serves as the Nicklaus Children's Principal Investigator or Co-Investigator for several ongoing research studies including OneFlorida, a Patient Centered Outcomes Research Institute (PCORI) funded clinical data network. She is an alumna of the Graduate Research Ethics Education (GREE) program sponsored by the National Science Foundation and Indiana University and is a member of the Association for Practical and Professional Ethics (APPE), the Society for Corporate Compliance (SCCE), and the Healthcare Compliance Association (HCCA). She is active in the American Association of Medical Colleges (AAMC) compliance initiatives and was appointed to the Steering Committee for the Compliance Officers Forum (COF) in 2015. With certifications in healthcare compliance (CHC), research compliance (CHRC), privacy (CHPC) and

corporate ethics (CCEP), Dr. McCafferty-Fernandez has served on the faculty at the University of Miami as adjunct faculty at Barry University and as an invited speaker for her expertise in cancer biology, career development, ethics as well as research and healthcare compliance issues.

13. Rainbow Babies & Children's Hospital

- **Claudia Hoyen, MD**, is the director for pediatric innovation at UH Rainbow Babies & Children's Hospital. She is a pediatric infectious disease specialist in the Division of Pediatric Infectious Diseases and Rheumatology, and Medical Director, Infection Control at UH Rainbow Babies & Children's Hospital. She is board certified in pediatrics and pediatric infectious disease. Special interests include antimicrobial resistance, colonization with antibiotic-resistant pathogens and molecular epidemiology. Dr. Hoyen's research interests include pediatric infectious diseases and their molecular epidemiology. She has authored or coauthored more than two dozen papers in peer-reviewed medical journals and presented at more than a dozen medical and scientific meetings. She is a member of the American Society for Microbiology, Infectious Disease Society of America and Pediatric Infectious Disease Society.

14. Seattle Children's Hospital

- **Devin Prenevost** is the senior director of innovation at Seattle Children's Hospital. He is Responsible for building the Innovation strategy, products and services to support the entire Seattle Children's enterprise. Includes integration between Continuous Improvement, Simulation, Design Engineering, Human Centered Design and Enterprise PMO. Accountable for administrative leadership, strategic direction and oversight of the operation, management and delivery of the innovation and system support function. Responsible for the strategic business planning, financial oversight, development and implementation of standardized processes and tools for ensuring optimal efficiency of service delivery.

15. St. Luke's Children's Hospital – Boise, ID

- **Dr. Kenny Bramwell** is the system medical director for St. Luke's Children's Hospital and service line. He previously served as executive medical director for Regence BlueShield of Idaho. During his time at Regence BlueShield of Idaho, he also served a four-state area as the medical policy associate medical director and pharmacy medical director. Prior to that, he served as chief medical officer with HonorHealth Deer Valley Medical Center and medical director of the transfer center for HonorHealth Network in Arizona. He has worked with Emergency Medicine of Idaho for years, serving

in numerous leadership roles including chief quality officer, emergency department chairman, pediatric emergency department medical director and on the board of directors. Bramwell holds a bachelor's degree from Brigham Young University and a medical doctorate degree from the University of California, San Diego.

16. Texas Children's Hospital

- **Melanie Lowther** is the Director of Business Process Transformation at Texas Children's Hospital. Her skills and areas of expertise include process improvement building efficiencies using Six Sigma tools and methods. She received my B.A. from The University of Georgia.

17. UCSF – Benioff Children's Hospital

- **Dr. Michael R. Anderson** is the President of UCSF Benioff Children's Hospitals and Senior Vice President, Children's Services for UCSF Health in December 2016. Dr. Anderson enjoys national stature as a sought-after authority on children's health policy, pediatric disaster preparedness, system quality and physician workforce. As President George W. Bush's appointee, he served as Vice Chair of the National Commission on Children and Disasters. He has testified before the U.S. Senate and the President's Commission on Bioethics. He has chaired an Institute of Medicine Committee on Pediatric Disaster Response and Recovery and is a consultant to the Centers for Disease Control and Prevention and the U.S. Department of Health and Human Services' (HHS) National Disaster Medical System. In 2014, Dr. Anderson was appointed by the Obama Administration to chair the National Advisory Committee on Children and Disasters at HHS. He has served on three national committees for the American Academy of Pediatrics and chaired its Committee on Pediatric Workforce. Previously to his appointment at Benioff Children's Hospitals, Dr. Anderson was Vice President and Chief Medical Officer for University Hospitals, Cleveland, OH, and Professor of Pediatrics at Case Western Reserve School of Medicine. He has published on a variety of pediatric critical-care topics including sepsis, acute respiratory distress syndrome, care of the immune-suppressed patient, and transport of the unstable pediatric patient.

## 2. Relevant Experience

Mr. Kulkarni was a founder and the Executive Director of the Cedars-Sinai Accelerator powered by Techstars. (<https://csaccelerator.com>). This Accelerator became recognized as one of the premier healthcare technology accelerators in

the country (<https://www.wsj.com/articles/hospitals-vie-to-fund-a-health-tech-breakthrough-1520430189> ).

The program was fully funded and owned by Cedars-Sinai Health System and was based in a 10,000 square foot accelerator space in West Hollywood, California. Mr. Kulkarni worked with designers and architects to transform the space (previously a furniture store). The space included co-working space for startups, 8 conference rooms, a gathering space used for lectures, workshops and events, and a kitchen with a break area (foosball, ping pong tables).

During the three years that Mr. Kulkarni ran the program (2015-2018), the Cedars-Sinai Accelerator attracted over 3,000 applicants from around the world. Through a rigorous multi-disciplinary review process led by Mr. Kulkarni, the Accelerator selected 29 early stage healthcare startups (pre-seed, seed, Series A) during the three years when he was Executive Director. To date, cohort companies from the Cedars-Sinai Accelerator have raised \$206 million in aggregate, with \$129 million raised after the program. The Accelerator has led to the creation of 320 new jobs. The program remains successful today and is now reviewing applications for its sixth cohort. One of the companies, Silversheet, was recently acquired, by AMN Healthcare. (<https://www.actoneventures.com/blog/silversheet-acquired-by-multibillion-dollar-company-amn-healthcare>)

At CHLA, Mr. Kulkarni, currently oversees the Consortium for Technology and Innovation in Pediatrics (CTIP). Link: <https://www.westcoastctip.org>. The program is also based and housed in the CHLA Innovation Studio. The program is virtual in nature and has no physical location. The program is funded exclusively by a \$6.2 million grant from the F.D.A. The program is funded through 2022 and remains one of the most active medical device accelerators in the country.

This program, founded in 2011, has supported over 150 early stage companies, and is actively accelerating 87 startups, including 36 from Southern California. CTIP startup companies have raised \$54,840,557, including \$34,863,391 raised after joining the accelerator.

Mr. Kulkarni also founded and oversees the CHLA Digital Health Lab, an incubator focused on developing early stage digital health ideas. In 2019, the Digital Health Lab successfully hosted the Gamifying Pediatrics Hackathon, in partnership with MIT Hacking Medicine. This Hackathon, attended by 200 community members and 45 CHLA clinicians, launched 11 digital health collaborative projects between technologists and healthcare providers. Of these 11 projects, 4 startup companies were formed and are actively piloting their technologies at CHLA today. One of these startups, Manatee, has won startup pitch competitions at national conferences such as HLTH and is currently closing its seed round. The CHLA Digital Health Lab, based on its success, will evolve its focus and be incorporated into the KidsX Accelerator program.



## 4. References

1. Maureen Klewicki: Program Director, Cedars-Sinai Accelerator; [maureen@crosscut.vc](mailto:maureen@crosscut.vc) ; 801-819-6233
2. Dama Dipayana: Founder & CEO, Manatee; [dama@getmanatee.com](mailto:dama@getmanatee.com); 646-945-8900
3. Juan Espinoza: Managing Director, CTIP; [jespinoza@chla.usc.edu](mailto:jespinoza@chla.usc.edu); 314-324-5205

## 5. Partnerships

The CHLA Innovation Studio has very strong ties to the healthcare technology community in Southern California and across the United States. The KidsX Accelerator has already established connections and will forge partnerships with the following organizations:

- i. Established investment funds:
  - i. Amazon Ventures
  - ii. Andreessen Horowitz
  - iii. Anthos Capital
  - iv. AVIA
  - v. Bessemer Venture Partners
  - vi. Crosscut Ventures
  - vii. Define Ventures
  - viii. Freestyle Ventures
  - ix. Google Ventures
  - x. Kleiner Perkins
  - xi. Manatt, Phelps & Philipps
  - xii. Omidyar Ventures
  - xiii. Oxeon Venture Partners
  - xiv. Pritzker Group
  - xv. Rock Health
  - xvi. Sequoia Ventures
  - xvii. Summation Health Ventures
  - xviii. TenOneTen Ventures
  - xix. Touchdown Ventures
  - xx. Townhall Ventures
  - xxi. Wavemaker 360
- ii. Existing accelerator operators;
  - i. 500 Startups
  - ii. Boston Children's Hospital Digital Health Accelerator
  - iii. Catalyst (Denver)
  - iv. Cedars Sinai Accelerator
  - v. Civic Innovation Lab
  - vi. Dream It
  - vii. Futurebound

- viii. MaRS (Toronto)
  - ix. Matter
  - x. MIT Hacking Medicine
  - xi. NHSx Accelerator
  - xii. Plug n Play
  - xiii. Prime Health
  - xiv. Pulse/Mass Challenge
  - xv. Startup Bootcamp Berlin
  - xvi. Techstars
  - xvii. TMCx
  - xviii. Y Combinator
- iii. Existing co-working spaces;
  - i. ScaleLA
  - ii. WeWork
  - iii. Second Home
- iv. Local colleges and universities:
  - i. CalTech
  - ii. USC
  - iii. UCLA
  - iv. LMU
  - v. LA Trade Tech
  - vi. Pasadena City College
  - vii. Da Vinci School
- v. Southern California companies, including Glendale-based companies.
  - i. BCG Digital Ventures
  - ii. California Endowment
  - iii. California Healthcare Foundation
  - iv. CareMore Health
  - v. Hospital Association of Southern California
  - vi. Innovate Pasadena / Catalyze
  - vii. Karten Design
  - viii. Not Impossible Labs
  - ix. Sada Systems
  - x. ScaleLA
  - xi. Service Titan
- vi. Any other partnership not described that could support the development and implementation of your proposed accelerator program.
  - i. Accenture
  - ii. Altamed
  - iii. Amazon (AWS)
  - iv. Athena Health
  - v. Cerner
  - vi. Cisco
  - vii. Cooley
  - viii. Deloitte
  - ix. Epic

- x. Google
- xi. HopeLab
- xii. Impact Pediatric Health
- xiii. Innovation Learning Network
- xiv. International Society for Pediatric Innovation (iSPI)
- xv. LA Biocom
- xvi. Microsoft
- xvii. Nixon Peabody
- xviii. Samsung
- xix. Slalom Consulting
- xx. Together.Health

## **C. Detailed Program Plan and Approach**

### **1. Targeted Participants**

Children make up 20% of the national population, yet in 2018, investments in pediatric digital health solutions made up less than 1% of the \$8.1 billion invested in digital health solutions. As a result, pediatric digital health innovation regularly lags far behind, leading to an antiquated health care delivery system for children and the families who care for them. With the proper focus on digital innovation, pediatric care could be more effective, safe, efficient and convenient than it is today.

The KidsX Accelerator is focused on advancing digital health innovation for pediatric health and healthcare. As such, startup companies focused on pediatric health and healthcare will be prioritized for admission into the program. Pediatric digital health includes, but is not limited to the use of artificial intelligence, gamification, virtual, augmented or mixed reality, a mobile app, voice-enabled services, digital therapeutic or digital diagnostic, chatbot, remote monitoring or virtual care software solution to improve the health of pediatric patients or the care delivery models associated with pediatric care.

The KidsX Accelerator is interested in ensuring that it serves a diverse array of founders. Diversity in startup founders is important in ensuring that company decisions are being made by people who represent varying experiences, journeys, points of view and skills. A concerted effort will be made to ensure that every cohort has founders who represent a diverse background, including but not limited to age, national origin, citizenship status, physical or mental disability, race, religion, creed, gender, sex, sexual orientation, gender identity and/or expression, marital status, and status as a Veteran.

In addition:

- There will be 10 startup companies selected for each cohort.
- The startup company will be a pre-seed or seed stage company.

- We will ensure that companies are led by full-time founders. Other members of the team may be part-time. This ensures that the participant company is fully dedicated towards building their business.
- Companies may be headquartered in any part of the world, but a preference will be made for companies based in Southern California, especially companies with founders or employees from Glendale.
- Companies must be willing to work in Glendale during the duration of the Accelerator program.

## **2. Recruitment Process**

Recruitment is one of the most important parts of running a successful Accelerator program. Based on his previous experience, Mr. Kulkarni will lead a unique, detailed approach to recruitment.

### *Step 1: Casting a Wide Net*

The best startups don't come to you, they need to be found.

The KidsX Accelerator recruitment process will begin by interviewing and understanding the core business problems that exist in the 18+ hospital members of the KidsX program. Based on these identified problems, specific challenge statements will be created to target recruitment.

The KidsX Accelerator will then leverage its large network in cities across the country to conduct a road show in which Information Sessions will be hosted to describe the program and to encourage startups to apply to KidsX. During these road shows, Office Hours will also be held in each city for entrepreneurs to meet with KidsX staff to ask questions about the Accelerator program. KidsX will also meet with thought leaders in each city to ask them to refer promising startups to apply to the program.

Further, a set of pre-recorded webinars will be made available on the KidsX Website, describing the program and encouraging startups to apply.

Social media outreach will be critical in getting the word out about KidsX. The team will use LinkedIn, F6S, Angel List and targeted Facebook messaging to advertise the program and its application deadlines.

Recruitment for the program will take place between June 1 and September 15, each year. Applications will be due on September 15<sup>th</sup>.

### *Step 2: Selecting the Best Companies*

Once applications have been received, the KidsX team will conduct a preliminary screening of the startups. Startups will be evaluated for:

- Team Strengths (interpersonal skills, emotional intelligence, past experience and accomplishments, technical skills)
- Product/Market Fit
- Business Model plausibility
- Runway – a strong preference will be provided to startups who have 12-18 months of runway at the start of the program.

Based on the results of the interviews and screening, the highest ranking 20 startups will be invited to Selection Day. At this Selection Day, the Top 20 startups will be given an opportunity to pitch in front of the KidsX Selection Committee, which will be made up of 2 members of each of the KidsX hospitals. As such, the Accelerator will have the input of the nation's key thought leaders during the selection and recruitment process.

Each KidsX hospital will get three votes in choosing the companies they want to participate in the Accelerator. Companies with the most votes will be selected into the Accelerator.

The Managing Director of the KidsX Accelerator will get a tie-breaking vote, if needed.

### *Step 3: Proposed Curriculum Modules and/or Services*

The KidsX Accelerator is both mentorship and curriculum driven.

Each KidsX Accelerator member hospital is offering five mentors (physicians, clinicians, administrators, thought leaders) to offer one hour of free mentorship per week to startups during the 13-week accelerator program. This group of 100 mentors will provide KidsX startups with crucial mentorship about product-market fit, sales strategy, barriers to entry, go-to-market strategy, product pricing, and product design and feature requirements. In addition, the KidsX Accelerator has built a network of 50 mentors from the technology industry, legal experts, marketing experts and the venture capital community to provide mentorship to startups. Further, the KidsX Accelerator will partner with Glendale business and technology leaders to provide key mentorship opportunities to KidsX startups.

The KidsX Accelerator will also offer didactic learning for startups. This didactic programming will be open to KidsX startups and any other startup that is based in Glendale. Programming will include healthcare specific content focused on pediatric healthcare, healthcare technology regulatory requirements (HIPAA, COPPA), infection control considerations, privacy and data security, digital health consent laws for minors, healthcare enterprise sales strategy, research protocols and working with an IRB, and other relevant topics. Programming will also include general curriculum including social media advertising, building a strong startup team, developing weekly goals and OKRs, developing an investor strategy, creating an investor deck, developing a strong product pitch, and other

key topics. Curriculum will be led by the Managing Director and will lean on key experts to volunteer their time to teach these sessions. The KidsX team has already developed a list of individuals who have agreed to lead these sessions during the first cohort.

KidsX Accelerator participants will also receive a free one-hour consultation from healthcare technology legal attorneys (Nixon Peabody & Cooley) who will provide guidance regarding intellectual property, regulatory strategy and risk management.

KidsX Accelerator participants will also receive up to \$100,000 in AWS credits, as part of the Amazon Activate program.

KidsX Accelerator is exploring a partnership with Delta Airlines for KidsX startup participants to receive Skymiles credits to apply towards domestic airfare on Delta Airlines.

KidsX Accelerator participants will also get access to key business services from Silicon Valley Bank. The specifics of these services is being determined.

KidsX Accelerator participants will get consultation and mentorship from leaders at Sada Systems.

The KidsX Accelerator will seek to forge partnerships with Glendale area businesses who are interested in providing in-kind services to KidsX startup companies.

The KidsX Accelerator will host quarterly events in Glendale to raise awareness about healthcare technology and entrepreneurship. These quarterly meetups will be open to the public and will feature guest speakers, panels, pecha kucha talks, fireside chats and workshops focused on healthcare technology.

The KidsX Accelerator and the CHLA Innovation Studio will host an annual hackathon in Glendale, focused on pediatric digital health innovation. The team that wins the hackathon will get an automatic spot in Selection Day (Top 20) to be interviewed and considered for the following cohort.

The KidsX Accelerator will actively participate in Glendale Tech Week, hosting multiple events, including but not limited to panel discussions, networking sessions and design thinking workshops.

The KidsX Accelerator will also host two startup pitch competitions per year in Glendale, each focused on a different theme within healthcare technology. A focus will be placed on companies and entrepreneurs from Glendale.

The KidsX Accelerator will host an annual Demo Day in Glendale, showcasing the work of the startups graduating from the Accelerator and highlighting the successes of alumni companies.

Leadership from the City of Glendale will be invited to participate in all of the above events.

*Note: Based on the current guidance of the WHO, the CDC and state and local departments of Public Health, events in 2020 may be conducted virtually to promote social distancing and to protect the public health, given the global COVID-19 pandemic.*

### **3. Efforts to Advance the Glendale Tech Strategy**

The KidsX Accelerator is dedicated to supporting and enabling the local tech ecosystem in the City of Glendale.

- i. The KidsX Accelerator will:
  1. Host two (2) Glendale “Tech on Tap” meet-ups.
  2. Host a monthly Happy Hour at the Accelerator while the program is in session, to encourage and promote healthcare technology amongst entrepreneurs.
  3. Host two (2) startup pitch competitions per year in Glendale, each focused on a different theme within healthcare technology. A focus will be placed on companies and entrepreneurs from Glendale and the Tri-City area.
  4. Actively participate in Glendale Tech Week, hosting multiple events, including but not limited to panel discussions, networking sessions and design thinking workshops.
  5. Host an annual Demo Day in Glendale, showcasing the work of the startups graduating from the Accelerator and highlighting the successes of alumni companies.
  6. Host an annual hackathon, alongside the CHLA Innovation Studio, in Glendale, focused on pediatric digital health innovation. The team that wins the hackathon will get an automatic spot in Selection Day (Top 20) to be interviewed and considered for the following cohort.
  7. Host quarterly events in Glendale to raise awareness about healthcare technology and entrepreneurship. These quarterly meetups will be open to the public and will feature guest speakers, panels, pecha kucha talks, fireside chats and workshops focused on healthcare technology.
  8. Host quarterly mentorship Open Hours for entrepreneurs in Glendale interested in healthcare technology.
  9. Hire students from Glendale Community College (CGC) as interns in the KidsX Entrepreneur in Residence program.

10. Support the Glendale tech ecosystem in other opportunities that arise.

## 5. Quantifiable Metrics

The KidsX Accelerator will be accountable to the following Key Performance Indicators (KPIs):

- KidsX Membership KPIs
  - Quantifiable ROI (\$) recognized by each KidsX member hospital
  - # of hospital members in KidsX Accelerator
  - # of new hospital members to join KidsX Accelerator
- Recruitment & Selection KPIs
  - # of startups contacted for potential application
  - # of startups that submit an application to Accelerator
  - # of Glendale companies that submit an application to Accelerator
  - Average pre-program capital raise for companies selected to participate in Accelerator (\$)
- Accelerator & Post-Accelerator KPIs
  - % of companies to graduate from Accelerator
  - % of companies active 12-months post Accelerator
  - # of Glendale companies to graduate from Accelerator
  - Average Monthly Recurring Revenue (MRR), per company, during 12 months following Accelerator
  - Average post-program capital raise in 12 months for companies following completion of Accelerator (\$)
  - # of jobs created following Accelerator
  - # of jobs created in Glendale, following Accelerator
  - # of companies to establish a primary or secondary office in Glendale
  - # of customers acquired by startups during 12 months following Accelerator
  - NPS Score for companies graduating from Accelerator
- Other KPIs
  - # Press & media mentions, per year, of Accelerator
  - # of attendees at all events in Glendale
  - # of individuals attending events in Glendale
  - \$ in sponsorship, per year, received by Accelerator
  - # of social media followers for KidsX Accelerator
  - # of impressions and social media interactions

## D. Timeline

The KidsX Accelerator will launch on March 27, 2020. The subsequent timeline details the activities of the first 36 months.

- March 27, 2020:



- Kickoff Call with all KidsX member hospitals to review program, timeline of key events and the KidsX Membership Agreement.
- April 2020:
  - Each KidsX member hospital signs the Membership Agreement. A copy of the Membership Agreement can be provided to the City of Glendale for their records.
  - KidsX Accelerator secures the commitment of 5 mentors from each KidsX hospital.
  - KidsX Accelerator secures the commitment of mentors & curriculum instructors from Glendale.
  - KidsX Accelerator secures the commitment of 50 non-healthcare mentors from across the U.S.
  - KidsX Accelerator establishes additional partnerships and sponsorships with key ecosystem stakeholders.
- May 2020:
  - Each hospital sends 1-2 representatives for a 2-day meeting in Glendale\*.
    - During the meeting, KidsX Member Hospitals map out existing processes by which hospitals launch digital health pilots or research studies.
    - The KidsX Accelerator facilitates a session focused on identifying key pain points, focus/interest areas for each hospital, with a goal of developing a set of Challenge Statements that will be used to recruit the first batch of applicants for the KidsX Accelerator.
    - The KidsX Accelerator reviews other administrative elements with KidsX members, including website content, press release information and curriculum for Accelerator.
- June 2020
  - Press release announcing KidsX Accelerator
  - Website release for the KidsX Accelerator
  - Application for the KidsX Accelerator is released.
  - KidsX Accelerator staff begins to recruit startups to apply to program.
  - KidsX hosts a startup pitch competition in Glendale.
  - KidsX Accelerator & Children's Hospital Innovation Studio host annual hackathon.
- Jul 2020
  - KidsX Accelerator staff recruit startups to apply to program.
- Aug 2020:
  - KidsX staff recruits startups to apply to program.
  - KidsX hosts a Tech on Tap Happy Hour.
  - KidsX hosts a startup pitch competition in Glendale.
- Sep 2020
  - September 15: KidsX Application Deadline
  - KidsX hosts a quarterly community event in Glendale.
  - KidsX staff interviews and narrows applicant pool to Top 20
- Oct 2020:

- KidsX Selection Day.
  - Each Hospital sends 1-2 individuals to Selection Day.
  - Top 20 startups are invited to pitch to KidsX member hospitals.
  - KidsX member hospitals select cohort for Accelerator (10 startups).
  - Each hospital selects 3 companies they want to more closely work with during the Accelerator. The 10 companies with the highest vote totals are selected for the Accelerator.
  - KidsX publicly announces class of companies in the KidsX Accelerator cohort.
- Nov & Dec 2020
  - Secure and finalize curriculum dates for Accelerator.
  - KidsX hosts a startup pitch competition in Glendale.
  - Secure and finalize Mentorship Office Hours for mentors.
  - KidsX hosts a quarterly community event in Glendale.
  - Obtain commitments from 10 selected startups to participate in KidsX Accelerator
- Jan 2021 – Mar 2021:
  - 13-week Accelerator begins
  - Week One:
    - Orientation to the Accelerator
    - Welcome to the City of Glendale – quarterly community event
    - Tech on Tap Happy Hour
  - Week Two:
    - Mentor Meetups (speed dating with key mentors)
    - Weekly 707 Accelerator Community Meeting
    - Curriculum Sessions 1 & 2
  - Week Three:
    - Mentor Meetups (speed dating with key mentors)
    - Weekly 707 Accelerator Community Meeting
    - Curriculum Sessions 3 & 4
    - Glendale Community Happy Hour
  - Week Four:
    - Mentor Meetups (speed dating with key mentors)
    - Weekly 707 Accelerator Community Meeting
    - Curriculum Sessions 5 & 6
  - Week Five
    - Product/Market Fit – Meet with KidsX Hospital Champions
    - Weekly 707 Accelerator Community Meeting
    - Curriculum Session 7
  - Week Six
    - Product/Market Fit – Meet with KidsX Hospital Champions
    - Meet with AWS & Silicon Valley Bank
    - Weekly 707 Accelerator Community Meeting
    - Curriculum Session 8
  - Week Seven
    - Product/Market Fit – Meet with KidsX Hospital Champions

- Meet with Cooley & Nixon / Peabody
  - Weekly 707 Accelerator Community Meeting
  - Curriculum Session 9
  - Glendale Community Happy Hour
- Week Eight
  - Product/Market Fit – Meet with KidsX Hospital Champions
  - Weekly 707 Accelerator Community Meeting
  - Curriculum Session 10
- Week Nine
  - Product/Market Fit – Meet with KidsX Hospital Champions
  - Begin establishing pilot contract with KidsX Hospital Champion
  - Weekly 707 Accelerator Community Meeting
  - Prep for Demo Day
- Week Ten
  - Investor Meetings – meet with Investor Mentors
  - Establish pilot agreement with KidsX Hospital Champion
  - Weekly 707 Accelerator Community Meeting
  - Prep for Demo Day
- Week Eleven
  - Investor Meetings – meet with Investor Mentors
  - Establish pilot agreement with KidsX Hospital Champion
  - Weekly 707 Accelerator Community Meeting
  - Prep for Demo Day
  - Glendale Community Happy Hour
- Week Twelve
  - Sign pilot agreement with KidsX Hospital Champion
  - Weekly 707 Accelerator Community Meeting
  - Prep for Demo Day
- Week Thirteen
  - Demo Day
  - End of Program
- Apr 2021:
  - Evaluate successes and failures of Cohort 1 & make modifications for Cohort 2.
  - Obtain membership renewal contracts from KidsX Member Hospitals
  - KidsX Accelerator & Children's Hospital Innovation Studio host annual hackathon in Glendale.
- May 2021:
  - Each hospital sends 1-2 representatives for a 2-day meeting in Glendale\*.
    - The KidsX Accelerator facilitates a session focused on identifying key pain points, focus/interest areas for each hospital, with a goal of developing a set of Challenge Statements that will be used to recruit the first batch of applicants for the KidsX Accelerator.
  - KidsX hosts a quarterly community event in Glendale\*.
- June 2021
  - Application for the KidsX Accelerator is released.

- KidsX hosts a startup pitch competition in Glendale\*.
  - KidsX staff begins to recruit startups to apply to program.
- Jul 2021
  - KidsX staff recruits startups to apply to program.
- Aug 2021:
  - KidsX staff recruits startups to apply to program.
  - KidsX hosts a startup pitch competition in Glendale.
  - KidsX hosts a Tech on Tap Happy Hour.
- Sep 2021
  - September 15: KidsX Application Deadline
  - KidsX hosts a quarterly community event in Glendale.
  - KidsX staff interviews and narrows applicant pool to Top 20
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  - KidsX Selection Day.
    - Each Hospital sends 1-2 individuals to Selection Day.
    - Top 20 startups are invited to pitch to KidsX member hospitals.
    - KidsX member hospitals select cohort for Accelerator (10 startups).
    - Each hospital selects 3 companies they want to more closely work with during the Accelerator. The 10 companies with the highest vote totals are selected for the Accelerator.
    - KidsX publicly announces class of companies in the KidsX Accelerator cohort.
- Nov & Dec 2021
  - Secure and finalize curriculum dates for Accelerator.
  - Secure and finalize Mentorship Office Hours for mentors.
  - KidsX hosts a startup pitch competition in Glendale.
  - KidsX hosts a quarterly community event in Glendale.
  - Obtain commitments from 10 selected startups to participate in KidsX Accelerator
- Jan 2022 – Mar 2022:
  - 13-week Accelerator begins
  - Week One:
    - Orientation to the Accelerator
    - Welcome to the City of Glendale – quarterly community event
    - Tech on Tap Happy Hour
  - Week Two:
    - Mentor Meetups (speed dating with key mentors)
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    - Curriculum Sessions 1 & 2
  - Week Three:
    - Mentor Meetups (speed dating with key mentors)
    - Weekly 707 Accelerator Community Meeting
    - Curriculum Sessions 3 & 4
    - Glendale Community Happy Hour
  - Week Four:
    - Mentor Meetups (speed dating with key mentors)

- Weekly 707 Accelerator Community Meeting
  - Curriculum Sessions 5 & 6
- Week Five
  - Product/Market Fit – Meet with KidsX Hospital Champions
  - Weekly 707 Accelerator Community Meeting
  - Curriculum Session 7
- Week Six
  - Product/Market Fit – Meet with KidsX Hospital Champions
  - Meet with AWS & Silicon Valley Bank
  - Weekly 707 Accelerator Community Meeting
  - Curriculum Session 8
- Week Seven
  - Product/Market Fit – Meet with KidsX Hospital Champions
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  - Curriculum Session 9
  - Glendale Community Happy Hour
- Week Eight
  - Product/Market Fit – Meet with KidsX Hospital Champions
  - Weekly 707 Accelerator Community Meeting
  - Curriculum Session 10
- Week Nine
  - Product/Market Fit – Meet with KidsX Hospital Champions
  - Begin establishing pilot contract with KidsX Hospital Champion
  - Weekly 707 Accelerator Community Meeting
  - Prep for Demo Day
- Week Ten
  - Investor Meetings – meet with Investor Mentors
  - Establish pilot agreement with KidsX Hospital Champion
  - Weekly 707 Accelerator Community Meeting
  - Prep for Demo Day
- Week Eleven
  - Investor Meetings – meet with Investor Mentors
  - Establish pilot agreement with KidsX Hospital Champion
  - Weekly 707 Accelerator Community Meeting
  - Prep for Demo Day
  - Glendale Community Happy Hour
- Week Twelve
  - Sign pilot agreement with KidsX Hospital Champion
  - Weekly 707 Accelerator Community Meeting
  - Prep for Demo Day
- Week Thirteen
  - Demo Day
  - End of Program
- Apr 2022:

- Evaluate successes and failures of Cohort 2 & make modifications for Cohort 3.
  - Obtain membership renewal contracts from KidsX Member Hospitals
  - KidsX Accelerator & Children's Hospital Innovation Studio host annual hackathon in Glendale.
- May 2022:
  - Each hospital sends 1-2 representatives for a 2-day meeting in Glendale.
    - The KidsX Accelerator facilitates a session focused on identifying key pain points, focus/interest areas for each hospital, with a goal of developing a set of Challenge Statements that will be used to recruit the first batch of applicants for the KidsX Accelerator.
  - KidsX hosts a quarterly community event in Glendale.
- June 2022
  - Application for the KidsX Accelerator is released.
  - KidsX hosts a startup pitch competition in Glendale.
  - KidsX Accelerator staff begins to recruit startups to apply to program.
- Jul 2022
  - KidsX Accelerator staff recruit startups to apply to program.
- Aug 2022:
  - KidsX staff recruits startups to apply to program.
  - KidsX hosts a startup pitch competition in Glendale.
  - KidsX hosts a Tech on Tap Happy Hour.
- Sep 2022
  - September 15: KidsX Application Deadline
  - KidsX hosts a quarterly community event in Glendale.
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- Oct 2022:
  - KidsX Selection Day.
    - Each Hospital sends 1-2 individuals to Selection Day.
    - Top 20 startups are invited to pitch to KidsX member hospitals.
    - KidsX member hospitals select cohort for Accelerator (10 startups).
    - Each hospital selects 3 companies they want to more closely work with during the Accelerator. The 10 companies with the highest vote totals are selected for the Accelerator.
    - KidsX publicly announces class of companies in the KidsX Accelerator cohort.
- Nov & Dec 2022
  - Secure and finalize curriculum dates for Accelerator.
  - Secure and finalize Mentorship Office Hours for mentors.
  - KidsX hosts a quarterly community event in Glendale.
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  - Weekly 707 Accelerator Community Meeting
  - Curriculum Sessions 3 & 4
  - Glendale Community Happy Hour
- Week Four:
  - Mentor Meetups (speed dating with key mentors)
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  - Glendale Community Happy Hour
- Week Twelve
  - Sign pilot agreement with KidsX Hospital Champion
  - Weekly 707 Accelerator Community Meeting
  - Prep for Demo Day
- Week Thirteen
  - Demo Day
  - End of Program
- Apr 2023:
  - Evaluate successes and failures of Cohort 3 & make modifications for Cohort 4.
  - Obtain membership renewal contracts from KidsX Member Hospitals
  - KidsX hosts a startup pitch competition in Glendale.

*\* Note: Based on the current guidance of the WHO, the CDC and state and local departments of Public Health, events in 2020 may be conducted virtually to promote social distancing and to protect the public health, given the global COVID-19 pandemic.*

## **E. Accelerator Location**

The KidsX Accelerator will be located in the City of Glendale, in the Plaza Bank location (250 N. Orange St.). The KidsX Accelerator needs to use the office space full-time between December through April each year (while the Accelerator is in session), so long as the City of Glendale can provide space for the community events that the KidsX Accelerator team will host between May and November.

The KidsX Accelerator team believes that the City of Glendale can best utilize the location at Plaza Bank by offering it to two Accelerator programs that run during opposite times of the calendar year.

If the Plaza Bank location is not available, the KidsX Accelerator can be based in either Industrious Glendale or at WeWork Glendale. The budget (below) would need to be modified if the KidsX Accelerator is required to pay monthly rent at either of these two locations.

## **F. Budget**

The KidsX Accelerator is partially funded by Children's Hospital Los Angeles and partially through membership fees to be collected from KidsX member hospitals. Each



member hospital is contributing \$10,000 in Year One of the Accelerator and \$30,000 in subsequent years. The long-term commitment by CHLA to contribute to KidsX along with the membership revenue from KidsX hospitals will help ensure long term sustainability of the KidsX Accelerator program, especially if the program can increase membership by 5 hospitals in 2023.

The KidsX Accelerator is requesting \$500,000 from the City of Glendale to support the remainder of the costs of running the Accelerator.

Participating startup companies will have zero cost to participate in the KidsX Accelerator. The KidsX program will take no equity or ownership stake in any company participating in the program, nor will it request any participation fee.

The budget below outlines the costs for operating the KidsX Accelerator.

	<b>Year One</b>	<b>Year Two</b>	<b>Year Three</b>
<b>Income</b>			
CHLA Innovation Studio	\$500,000	\$500,000	\$500,000
KidsX Membership Fees	\$150,000	\$450,000	\$450,000
City of Glendale	\$166,667	\$166,667	\$166,667
<b>Total Income</b>	<b>\$816,667</b>	<b>\$1,116,667</b>	<b>\$1,116,667</b>
<b>Operating Expenses</b>			
Direct Labor (incl. benefits)	\$650,000	\$950,000	\$950,000
Rent	\$1	\$1	\$1
Utilities	\$10,000	\$10,000	\$10,000
Travel & Conferences	\$35,000	\$35,000	\$35,000
Events	\$75,000	\$75,000	\$75,000
Marketing (Website, Ads, etc)	\$24,000	\$24,000	\$24,000
Supplies	\$21,000	\$21,000	\$21,000
Miscellaneous	\$1666	\$1666	\$1666

The CHLA Innovation Studio contributes \$500,000 per year to the KidsX Accelerator, largely through supporting the salary and benefits of many of the employees hired to operate the Accelerator.

The KidsX member hospitals each contribute \$30,000 per year to participate in the KidsX Accelerator. Hospitals receive an “early adopter” discount in Year One (\$10,000). There will be an anticipated 15 KidsX hospital members, per year, in KidsX between 2020 and 2022.

The KidsX Accelerator is requesting \$500,000 from the City of Glendale, to be paid out in equal thirds: \$166,666.67 per year.

The KidsX Accelerator staff (one Managing Director, one Program Director, one Community/Partnerships/Events Lead, one EIR, two 0.20 FTE Digital Health Provider Leads and one 0.20 Design Thinking Lead) will cost \$816,667 in salaries + benefits in Year One. To support the growth of the program in Years Two and Three, the KidsX Accelerator will hire an additional EIR and an additional Events Manager, thus costing \$950,000 in annual cost for salaries + benefits. Much of this increase will be supported by the additional membership revenue in Years Two and Three.

The KidsX Accelerator will be operated at the Plaza Bank location. As such, rent will cost \$1 per year. KidsX estimates \$2,000 per month in utilities for the five months it plans to occupy the space, per year.

A core part of recruitment involves travelling across the country, searching for promising startup companies, building a strong network of mentors, sponsors and partners, and elevating the brand of the KidsX Accelerator. Further, many of the large health tech conferences (HLTH, HIMSS, Becker's, SxSW) require sponsorship for key access to influencers and thought leader groups. These sponsorships will also benefit alumni companies of the Accelerator, by providing them free space to exhibit their software under the umbrella of the KidsX Accelerator brand. Based on actual amounts spent in previous years, KidsX is anticipating spending \$35,000 per year for travel & conference related expenses.

Building and continuously engaging the Glendale tech community is a crucial part of the KidsX program. As such, we are allocated \$75,000 per year towards events, including but not limited to Tech on Tap, Glendale Tech Week events, quarterly community events, in-program Happy Hours, 707 meetings, pitch competitions and the annual hackathon. KidsX will leverage corporate sponsorships to bolster this budgeted amount, if needed.

KidsX will partner with a Glendale based marketing firm to adequately market and promote the KidsX Accelerator and its events, largely through digital marketing and social media. This agency can also support website development and maintenance. KidsX will set a \$2,000 monthly retainer and anticipates expenses averaging \$24,000 per year for marketing expenses.

KidsX anticipates spending \$21,000 for supplies and miscellaneous expenses, each year.

The KidsX Accelerator will provide Letters of Commitment to the City of Glendale, for any program contributions, as soon as they are available.



**City of Glendale  
Disclosure - Campaign Finance Ordinance  
Applicants Seeking Entitlement**

Submit to Permit Services Center, 633 E. Broadway, Rm. 101.  
For more information, call 818-548-3200.

(To be Completed Prior to Preparation of Staff Reports for Consideration of Entitlement Matter by Council, Agency, or Authority, or at Time of Appeal to the City Council if the Applicant is also the Appellant)

In August 2011, the Glendale City Council adopted Ordinance No. 5744, which becomes effective on September 9, 2011 ("Ordinance"). The Ordinance prohibits campaign contributions from "applicants seeking entitlement," their contractors and subcontractors (including their architects, engineers, and design professionals) while the application is "pending" and for 12 months thereafter. The Ordinance also prohibits Council Members from voting on any matter pertaining to an entitlement if the Council member has received a campaign contribution from the applicant seeking the entitlement, or certain contractors or subcontractors of the applicant, within the 12-month period preceding the vote.

**The Applicant and the Owner/Lessor hereby discloses as follows.**

*(If printing, please print legibly. Use additional sheets as necessary.)*

**I. Name of Applicant and Name of Owner/Lessor on whose behalf application is filed:**

Full Name	Title	Business Address	City	State	Zip
Omkar Kulkarni	CInO	4650 Sunset Blvd	Los Angeles	CA	90027

- II. Officers or owners/investors of Applicant Entity.** Please also disclose the following persons or entities related to the applicant entity: CEO/President, Chairperson, Chief Operations Officer, Chief Financial Officer, any member of the Board of Directors, and any individual or entity that owns 10% or more the contractor of applicant seeking entitlement, as well as any campaign +

Full Name	Title	Business Address	City	State	Zip

**III. Contractor of Applicant(s) Seeking Entitlement\***

Full Name	Title	Business Address	City	State	Zip

\* "Contractor of Applicant Seeking Entitlement" means "a person who has, or has been promised, a contract as an architect, design professional, engineer, or general or prime contract with an applicant seeking entitlement. "Contractor of applicant seeking entitlement," includes not only the contracting party but also the CEO/President, Chairperson, Chief Operations Officer, Chief Financial Officer, any member of the Board of Directors, and any individual or entity that owns 10% or more the contractor of applicant seeking entitlement, as well as any campaign committee that is sponsored and controlled by the contracting party. Please list the names and addresses of all of these parties.

**IV. Subcontractor of Applicant(s) Seeking Entitlement\*\***

Full Name	Title	Business Address	City	State	Zip

\*\* "Subcontractor of Applicant Seeking Entitlement" means "a person who has, or has been promised, a subcontract as an architect, design professional, engineer, or perform other work with a 'contractor an applicant seeking entitlement."

"Subcontractor of applicant seeking entitlement," includes not only the subcontracting party, but also the CEO/President, Chairperson, Chief Operations Officer, Chief Financial Officer, any member of the Board of Directors, and any individual or entity that owns 10% or more the subcontractor of applicant seeking entitlement, as well as any campaign committee that is sponsored and controlled by the subcontracting party. Please list the name and addresses of all of these parties.


**V. Disclosure. The Applicant Seeking Entitlement has made campaign or officeholder contributions in the preceding 12 months to City of Glendale elected officials as follows:**

Elected Official	Name of Individual or Entity	Date of Contribution
N/A		

I hereby certify, on behalf of the above-named applicant(s) and owner(s)/lessor(s), that the applicant seeking entitlement has made the campaign contributions as set forth above. I also certify that the names of all contractors of applicant and all subcontractors of applicant, as of today's date, are fully set forth above. I further acknowledge that the applicant has a continuing obligation to update this disclosure form if the applicant selects additional or substitute architects, design professionals, contractors or subcontractors within ten (10) days of the selection or change. I hereby certify that I have been legally authorized by the applicant/owner/lessor to submit this disclosure form and certify to the content hereof.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 3/11/2020 at Los Angeles, California

Applicant's Signature , Print Applicant's Full Name Omkar Kulkarni

Applicant's Address 3/11/2020

Applicant's Contact Phone Number 323-217-5733

Applicant's Email Address OKulkarni@chla.usc.edu

**CURRICULUM VITAE**  
**JUAN CARLOS ESPINOZA, M.D.**  
**FEBRUARY 2020**

**PERSONAL INFORMATION:**

**Work**

Children's Hospital Los Angeles  
4650 Sunset Blvd., Mailstop #68  
Los Angeles, CA 90027  
Phone: (323) 361-2113  
Fax: (323) 361-8003  
Work Email: jespinoza@chla.usc.edu

**Home**

1153 Magnolia Ave  
Los Angeles, CA 90006  
Citizenship: United States

**EDUCATION AND PROFESSIONAL APPOINTMENTS**

**EDUCATION:**

<i>Year</i>	<i>Degree, Field, Institution, City</i>
2001	High School, Grace King High School, Metairie, LA
2005	B.A., Romance Languages & Linguistics, Washington University in St. Louis, St. Louis, MO
2010	M.D., Keck School of Medicine, University of Southern California, Los Angeles, CA

**POST-GRADUATE TRAINING:**

<i>Year-Year</i>	<i>Training Type, Field, Mentor, Department, Institution, City</i>
2010 - 2011	Internship, Pediatrics, Children's Hospital Los Angeles, Los Angeles, CA
2011 - 2013	Residency, Pediatrics, Children's Hospital Los Angeles, Los Angeles, CA

**OTHER TRAINING:**

<i>Year-Year</i>	<i>Training Type, Field, Mentor, Department, Institution, City</i>
2014	LA-HPAC Media Training, CHLA, Los Angeles, CA
2014	Introduction to Clinical & Translational Research Study Design, CHLA, CTSI, Los Angeles, CA
2014	Principles of Medical Education: Maximizing Your Teaching Skills, Harvard Shapiro Institute, UCSD, San Diego, CA
2015	REACH Institute mini-fellowship in Primary Pediatric Psychopharmacology, CHLA, Los Angeles, CA
2017	Harvard Blackburn Obesity Medicine Course, Boston, MA
2018	AMIA 10x10 Introduction to Clinical Informatics with OHSU, Portland, OR
2018-2019	USC CHLA Health Leadership Academy

**ACADEMIC APPOINTMENTS:**

<i>Year-Year</i>	<i>Appointment</i>	<i>Department, Institution, City, Country</i>
2014 - present	Assistant Professor of Clinical Pediatrics	Keck School of Medicine of USC, Los Angeles, CA

**CLINICAL APPOINTMENTS:**

<i>Year-Year</i>	<i>Appointment</i>	<i>Department, Institution, City, Country</i>
2013 - 2015	Hospitalist	Department of Pediatrics, Bakersfield Memorial Hospital, Bakersfield, CA
2013 - 2015	Hospitalist	Division of Hospital Medicine, CHLA, Los Angeles, CA
2013 - present	General Pediatrics Attending	Division of General Pediatrics, CHLA, Los Angeles, CA

## **LICENSURE, CERTIFICATIONS**

### **LICENSURE:**

<i>Year</i>	<i>License number, State, Status</i>
2012	Certificate A121058, California, active
2017	LPA4 (Spanish), CHLA, Los Angeles, CA, active

### **BOARD CERTIFICATION OR ELIGIBILITY:**

<i>Year</i>	<i>Board, State, Status</i>
2012	Medical Board of California, current
2013	American Board of Pediatrics, current

### **HONORS, AWARDS:**

<i>Year</i>	<i>Description</i>	<i>Awarding agency, address, city</i>
2000	Summer Undergraduate Neuroscience Award	LSU
2001	Ramirez Scholarship	Washington University in St. Louis
2002 & 2003	NIH Summer Intramural Research Training Award	NIH
2004	Mathew S. Cole Award for Excellence in Journalism	Washington University in St. Louis
2005	NIH Post Baccalaureate Intramural Research Training Award	NIH
2007	Medical Educators' Collegium Student Project Award for Teaching in Gross Anatomy	University of Southern California
2008 & 2009	Ray and Fern Wilson Scholarship for academic excellence and interest in cancer research	University of Southern California
2008 & 2009	Walker Foundation Scholarship for academic excellence, community health and community service	University of Southern California
2009	Christine Page Scholarship for academic excellence and interest in oncology	University of Southern California
2009	Rodolfo Montes Scholarship for academic excellence, leadership and community involvement	University of Southern California
2009	University Hospital Guild Celebration of Life Scholarship for academic excellence, leadership and community service	University of Southern California
2011	Leonard I. Daver Medical Student Teaching Award	CHLA
2011	CHLA Service Award for Excellence in Outpatient Care	CHLA

2012	Gary F. Krieger Award for Pediatric Advocacy	CHLA
2015	APA RAPID NIDDK Award	NIDDK
2016	Maurice Hitchcock Award for Outstanding Poster	IME Conference
2017	Academic Pediatric Association Research Scholar	Academic Pediatric Association
2018	Outstanding Required Scholarly Project Mentor	USC Keck School of Medicine

## **TEACHING**

### **DIDACTIC TEACHING:**

#### *Children's Hospital Los Angeles*

<i>Year-Year</i>	<i>Course Name</i>	<i>Units/Hrs</i>	<i>Role</i>
2013 – present	Pediatric Residency Journal Club	2 – 3 hrs per month	Mentor
2014 –present	Pediatric Resident Continuity Clinic, CHLA Pediatric Residency Program	6 lectures per year	Lecturer
2014 – 2018	Pediatric Resident Continuity Clinic, Pediatric Residency Program	4 hrs per week	Preceptor

#### *USC Keck School of Medicine*

<i>Year-Year</i>	<i>Course Name</i>	<i>Units/Hrs</i>	<i>Role</i>
2014 – present	Pediatrics Core Clerkship	4 wk per year	Outpatient Experience Preceptor
2014 – present	Pediatrics Core Clerkship	1 wk every 2 months	Focus Week Preceptor
2015 – present	Required Scholarly Project	30-40 hours/year	Primary Research Mentor
2020	Preventive Medicine PM599: Special Topics	2 hour lecture	Guest lecturer, Latino Health Disparities: Focus on Obesity
2020	Health Promotion and Disease Prevention Studies HP470: Case Studies in Global Health	2 hour lecture	Guest lecturer, Technology and Global Health in Haiti

#### *USC Viterbi School of Engineering*

<i>Year-Year</i>	<i>Course Name</i>	<i>Units/Hrs</i>	<i>Role</i>
2017 – present	Health, Technology and Engineering Program	12 hours per year	Guest Lecturer, Project Mentor

### **UNDERGRADUATE, GRADUATE AND MEDICAL STUDENT (OR OTHER) MENTORSHIP:**

<i>Year-Year</i>	<i>Trainee Name</i>	<i>Trainee Type</i>	<i>Dissertation/Thesis/Project Title</i>
2015-2018	Barbara Lam	Medical student	Technology access in Haiti
2015-2017	Aric Ponce	Post-baccalaureate student	GIS mapping of schools and student BMI
2016-2019	Alex Chen	Medical student	Wearable devices and engagement
2016-2017	Daniel Cho	Medical student	Podcasting in medical education
2016-2017	Audrey Lai	Undergraduate student	Social media and obesity programs
2016-2017	Lisa Lopez	Undergraduate student	Autism and obesity interventions
2016-2017	Laura Salm	MPH student	Primary care access and sickle cell disease
2018-Current	Makela Stankey	Medical student	Social resource access among low income families with CSHCN
2019-Current	Preeya Metha	Medical Student	Telehealth implementation



**GRADUATE STUDENT THESIS, EXAM AND DISSERTATION COMMITTEES:**

<i>Year-Year</i>	<i>Trainee Name</i>	<i>Committee Type</i>	<i>Student Department</i>
2017-2018	Alauna Hersch	Scholarly Oversight	Gastroenterology, Pediatrics
2017-Current	Katherine Lewinter	Scholarly Oversight	Pulmonology, Pediatrics
2017-Current	Amy Seagroves	Scholarly Oversight	Endocrinology, Pediatrics

**POSTGRADUATE MENTORSHIP:**

<i>Year-Year</i>	<i>Trainee Name</i>	<i>If past trainee, current position and location</i>
2015-2017	Ali Arastu	Critical Care Fellow, Stanford University
2015-2017	Kameelah Gateau	Chief Resident, Children's Hospital Los Angeles
2015-2018	Miriam Chan	Pediatric Resident, Children's Hospital Los Angeles
2015-2018	Rayman Assaf	Pediatric Resident, Children's Hospital Los Angeles
2015-2018	Lauren Rissman	Pediatric Resident, Children's Hospital Los Angeles
2016-Current	Dylan Ochal	Pediatric Resident, Children's Hospital Los Angeles
2017-Current	Katherine Harmon	Pediatric Resident, Children's Hospital Los Angeles
2017-2018	Alauna Hersch	Gastroenterology Fellow, Children's Hospital Los Angeles
2017-Current	Katherine Lewinter	Pulmonology Fellow, Children's Hospital Los Angeles
2017-Current	Amy Seagroves	Endocrinology Fellow, Children's Hospital Los Angeles

**SERVICE****HOSPITAL OR MEDICAL GROUP SERVICE:**

<i>Year-Year</i>	<i>Position, Committee</i>	<i>Organization/Institution</i>
2010 - 2013	AAP Program Representative	CHLA Pediatric Residency Program
2010 - 2013	Housestaff Council Representative	CHLA Pediatric Residency Program
2012 - present	Media Spokesperson for General Pediatrics (Spanish/English)	CHLA
2014 - present	Interviewer, Admission Committee	CHLA Pediatric Residency Program
2014 - present	Chair, General Pediatrics Obesity Research Group	Children's Hospital Los Angeles
2014 - 2017	Member, Resident Outpatient Education Committee	Children's Hospital Los Angeles
2015 - 2017	Institution Representative, Health XL Global Healthcare Innovation Community	Children's Hospital Los Angeles
2015 - 2016	Member, Enterprise Database Repository Steering Committee	Children's Hospital Los Angeles
2015 - present	Member, Diversity/Equity/Access/Cultural Competency Workforce	Children's Hospital Los Angeles
2016 - present	Member, myCHLA Steering Committee	Children's Hospital Los Angeles
2016 - present	Member, CHLA Health Network Technology Steering Committee	Children's Hospital Los Angeles
2016 - present	Member, Telemedicine Executive Committee	Children's Hospital Los Angeles
2018 - present	Member, Digital Health Committee	Children's Hospital Los Angeles
2019 - 2020	Member, Endocrinology Division Chief Search Committee	Children's Hospital Los Angeles
2019 - 2020	Lecturer, Quality Improvement Learning Collaborative: Obesity	CHLA Health Network
2020 - present	Member, Biomedical Informatics Committee	Children's Hospital Los Angeles

**UNIVERSITY SERVICE:**

<i>Year-Year</i>	<i>Position, Committee</i>	<i>Organization/Institution</i>
2014 – present	Interviewer, Admissions Committee	Keck School of Medicine of USC
2015 – present	Founding Member, Academy of Pediatric Leaders in Education	USC
2019	CRIO search and recruitment committee	Keck School of Medicine of USC

#### **PROFESSIONAL SERVICE:**

<i>Year-Year</i>	<i>Position, Committee</i>	<i>Organization/Institution</i>
2010 - 2019	Co-Founder, Producer, and Sound Supervisor	MDDM/Gadi Creative, Los Angeles, CA
2011 – 2014	Clinical Research Advisor, Member of Board Of Directors	Birich Technologies, Baltimore, MD
2015 - present	Member, Committee on Communication and Media	American Academy of Pediatrics
2015 – 2017	Advisor, Board	Hexcare, Los Angeles, CA
2015 – present	Advisor, Board	Akido Labs, Los Angeles, CA
2016	Platform Session Moderator, Digital Health	Pediatric Academic Societies 2016 Meeting, Baltimore, MD
2018	Poster Session Moderator, Telehealth	Pediatric Academic Societies 2018 Meeting, Toronto, Canada
2019 – present	Member, Section on Advances in Therapeutics and Technology	American Academy of Pediatrics
2019	Workshop Reviewer	Pediatric Academic Societies 2020 Meeting, Philadelphia, PA
2020	Platform Session Moderator, Obesity: Treatment of Child and Adolescent Obesity and Associated Co-Morbidities	Pediatric Academic Societies 2020 Meeting, Philadelphia, PA

#### **PROFESSIONAL SOCIETY MEMBERSHIPS:**

<i>Year- Year</i>	<i>Society</i>
2006 – present	American Medical Association
2010 – present	American Academy of Pediatrics
2014 – present	Academic Pediatrics Association
2015 – present	Donnell Society for Pediatric Scientists
2016 – present	Healthcare Information and Management Systems Society
2018 – present	The Obesity Society

#### **COMMUNITY SERVICE:**

<i>Year-Year</i>	<i>Position</i>	<i>Organization/Institution, City,</i>	<i>Role or Activity</i>
2011 - 2013	Translator	Bodyworks Community Health Program	Translator for program
2014 – present	Member of the Board of Directors	Hernia Repair for the Underserved, Los Angeles	Board Member
2017 – present	Member of the Board of Directors	The WITH Foundation	Board Member

#### **MAJOR LEADERSHIP POSITIONS: (E.G., DEAN, CHAIR, INSTITUTE DIRECTOR, HOSPITAL ADMINISTRATION, ETC.)**

<i>Year-Year</i>	<i>Position</i>	<i>Narrative listing Accomplishments- or add appendix</i>
2011 - 2016	Founder and Medical Director	Founder & Medical Director of MD Digital Media, Los Angeles, CA
2015 - 2018	Clinical Advisor and Investigator	Center for Innovation, CHLA, Los Angeles, CA
2016 - present	Medical Director for Pediatric Innovation	Digital Health Lab, USC, Los Angeles, CA
2016 - present	Director of Research and Data Management	Patient Centered Medical Home, Division of General Pediatrics, CHLA, Los Angeles, CA
2017 – present	Principal Investigator & Director	Gastroenterology Biorepository, CHLA, Los Angeles, CA
2018 – present	Co-Director, Clinical Research Informatics	Southern California Clinical and Translational Science Institute, Los Angeles, CA
2018 – present	Principal Investigator & Director	The West Coast Consortium for Technology & Innovation in Pediatrics, Los Angeles, CA
2018 – present	Medical Director	CHLA Innovation Studio, CHLA, Los Angeles, CA

## **RESEARCH AND SCHOLARSHIP**

### **MAJOR AREAS OF RESEARCH INTEREST**

#### *Research Areas*

My overarching research goal is to identify and develop uses for data and technology to improve outcomes and reduce the health gap faced by underserved communities.

- |   |                                     |
|---|-------------------------------------|
| 1. Health Information Systems             | 5. Pediatric Medical Devices        |
| 2. Digital Media and Digital Health       | 6. Pediatric Obesity                |
| 3. Mobile technology and wearable devices | 7. Children with Medical Complexity |
| 4. Patient generated health data          | 8. Global health                    |

### **GRANT SUPPORT – CURRENT (RESEARCH IN PROGRESS):**

*Grant No. 1P50FD006425-01 (PI) Juan Espinoza* *Dates of Award: September 2018 - August 2023*

*Agency: FDA* *Percent Effort: 20%*

*Title: West Coast Consortium for Technology & Innovation in Pediatrics*

*Description: The West Coast Consortium for Technology and Innovation in Pediatrics is an FDA-funded pediatric device consortium program aimed at stimulating and advance the development of pediatric medical devices.*

*Role: PI, Consortium Director*

*Grant No. Sharon D Lund Foundation (PI): Kipke* *Dates of Award: January 2020 - January 2021*

*Agency: Sharon D Lund Foundation* *Percent Effort 10%*

*Title: Improving health equity after NICU Discharge*

*Description: Piloting a mobile health solution to help families after NICU discharge*

*Role: Co-Investigator*

*Grant No. UL1TR001855 (PI) Buchanan/Kipke* *Dates of Award: 2018 - 2021*

*Agency: NIH/NCATS* *Percent Effort: 20%*

*Title: Southern California Clinical and Translational Science Institute*

*Description: The goal of SC CTSI is to create infrastructure to support clinical and translational research to reduce disparities in high-risk and underserved/underrepresented populations, including pediatric populations.*

*Role: Co-I, Co-Director of clinical research informatics core*

Grant No. Faculty Resource Grant (PI) : Juan Espinoza

Dates of Award: July 2014 – present

Agency : Children's Hospital Los Angeles

Percent Effort: 10%

Title: Technology and Innovation in Pediatrics

Description: My division provides additional protected time for me to work on technology and media projects in partnership with the CHLA Center for Innovation, as well as to support other faculty interested in exploring mobile technology/mHealth projects. In addition, I am leading our efforts to build an EMR-agnostic central database with a built-in application layer, the first of its kind at our institution.

Role: PI

## **GRANT SUPPORT - PAST:**

Grant No. Sharon D Lund Foundation (PI): Kipke

Dates of Award: January 2019 - January 2020

Agency: Sharon D Lund Foundation

Percent Effort 10%

Title: Improving health equity after NICU Discharge

Description: Piloting a mobile health solution to help families after NICU discharge

Role: Co-Investigator

Grant No. PP50 FDA (PI): Bar-Cohen

Dates of Award: 2017 - 2019

Agency: FDA

Percent Effort 10%

Title: Advancing and promoting the development of pediatric medical devices

Description: Companies that develop pediatric medical devices face additional biological, regulatory, and financial challenges compared to adults. The FDA has funded a series of pediatric device consortia in order to promote and advance the field of pediatric devices. I work closely with companies to identify opportunities, address challenges, and successfully bring products to market.

Role: Co-Principal Investigator

Grant No. R01 1U01HL117718-02(PI) Thomas Coates

Dates of Award: 2013 - 2018

Agency: Children's Hospital Los Angeles

Percent Effort: no salary support

Title: Underlying physiology of Sickle Cell Disease

Description: Development of mobile applications for reporting pain and related symptoms in adolescents with sickle cell disease

Role: Co-Investigator

Grant No. R25DK096944 (PI): : Flores/Mendoza

Dates of Award: June 2015 - 2017

Agency: NIDDK APA RAPID Award

Percent Effort: no salary support

Title: Wearable Technology in Pediatric Weight Management

Description: The goal of this project is to determine the effects of wearable devices (Fitbit©) on an existing comprehensive family based weight intervention program target a predominantly low SES Hispanic population with limited English proficiency. We are evaluating the device's ability to be an independent motivating factor as well as an effective tool for recording objectively measure physical activity

Role: PI of subaward

## **ISSUED AND PENDING PATENTS:**

Patent Holder Names. Title. Institution. File #. Reference #. US Patent and Trademark Serial No.

COMPOSITIONS AND METHODS FOR DELIVERING INHIBITORY OLIGONUCLEOTIDES, filed on April 15, 2008 Serial No. 61/045,088

## **INVITED LECTURES, SYMPOSIA, KEYNOTE ADDRESSES**

<i>Year</i>	<i>Type</i>	<i>Title, Location</i>
2011	Platform Presentation	"Final report on outcome of children with newly diagnosed high grade glioma (HGG) treated with multi-drug induction chemotherapy followed by consolidative myeloablative chemotherapy and autologous hematopoietic progenitor cell rescue (AuHPCR) on the "Head Start" II and III Protocols." Platform presentation, Society for Neuro Oncology Annual Meeting, Anaheim, CA
2015	World Conference	"Facebook IHC as an international platform for Hernia Repair For the Underserved." David Chen, Juan Espinoza, World Conference on Abdominal Wall Hernia Surgery, Milan, Italy
2015	Invited Lecture	"The Hatian Hernioplasty Project." David Chen, Robert Cusick, Juan Espinoza, Hôpital Universitaire de Mirebalais, Mirebalais, Haiti
2016	Invited Panelist	"The Challenge of Sleep," Panelist. HealthXL Global Gathering, San Francisco, CA
2016	Invited Panelist	"Managing Pediatric Chronic Disease in the Digital Age," Panelist. Consortium for Technology and Innovation in Pediatrics, CHLA, Los Angeles, CA
2016	Invited Panelist	"Innovation in Healthcare -Providers' Panel" Panelist. HealthXL Global Gathering, Boston, MA
2016	Invited Lecture	"The Hatian Hernioplasty Project - Update" David Chen, Juan Espinoza, Hôpital Universitaire de Mirebalais, Mirebalais, Haiti
2017	Invited Panelist	"The Future of VR," Panelist. HealthXL Global Gathering, San Diego, CA
2018	Invited Speaker	"Clinical Informatics and the Future of a National Medical Device Safety and Surveillance System." FDA Pediatric Medical Device Development Public Meeting, invited to give public comments, August 13 <sup>th</sup> , 2018, Silver Springs, MD
2018	Invited Lecture	"Pediatric Obesity." AACP-CHLA 16 <sup>th</sup> International Conference on Ophthalmology, Neonatology and Endocrinology on September 24 – 26, 2018 in Yerevan, Armenia
2018	Invited Lecture	"Pediatric Metabolic Syndrome." AACP-CHLA 16 <sup>th</sup> International Conference on Ophthalmology, Neonatology and Endocrinology on September 24 – 26, 2018 in Yerevan, Armenia
2019	Invited Lecture	"Clinical Research Informatics at CHLA: Current State and Next Steps," The Saban Research Institute Annual Research Symposium: Big Data, Big Impact. CHLA, Los Angeles, CA.
2019	Invited Lecture	"The West Coast Consortium for Technology and Innovation in Pediatrics." Information Technology Department All Hands Meeting, Seattle Children's, Seattle, WA
2019	Invited Lecture	"Pediatric Medical Devices: Gaps and Opportunities in Clinical Trials." Regulatory Science Boot Camp: Clinical Trials with Medical Devices. Symposium organized by the USC School of Pharmacy and the Southern California Clinical Translational Sciences Institute. USC, Los Angeles, CA.
2019	Invited Lecture	"Technology in The Management of Diabetes: Software and Devices." AACP-CHLA 17 <sup>th</sup> International Conference on Ophthalmology, Neonatology and Endocrinology on July 22 – 23, 2019 in Yerevan, Armenia
2019	Invited Lecture	"Pediatric Obesity Management: Metabolic and Bariatric Surgery." AACP-CHLA 17 <sup>th</sup> International Conference on Ophthalmology, Neonatology and Endocrinology on July 22 – 23, 2019 in Yerevan, Armenia
2019	Invited Lecture	"Health Equity and Innovation." Innovation Best Practices, Pediatrics 2040 Conference, August 18 <sup>th</sup> -20 <sup>th</sup> , 2019, Huntington Beach, CA
2019	Invited Panelist	"Career Paths in Biotech: Corporate vs. Startups." Biotech Connection LA 5 <sup>th</sup> annual Biotech Summit, October 26 <sup>th</sup> , Los Angeles, CA
2019	Invited Lecture	"Artificial Intelligence-Based 3D Screening of Fetal Programming in Congenital Adrenal Hyperplasia." Los Angeles County Bioscience Forum hosted by Google, November 21, 2019, Los Angeles, CA
2019	Panel Moderator	"Artificial Intelligence Applications in Healthcare." RMDS Labs IM Data Global Conference, December 6-7, Pasadena, CA
2020	Invited Lecture	"Integrating Continuous Glucose Monitor Data Directly into the Electronic Health Record: Proof of Concept." Biomedical Informatics Seminar Series,

## INVITED GRAND ROUNDS, CME LECTURES

Year	Type	Title, Location
2011	Grand Rounds	"Irradiation-avoiding treatment strategies for children with high grade glioma and the final report on outcome for patients treated on the Head Start II & III Protocols, 1997 – 2009." Pediatrics Grand Rounds, Children's Hospital Los Angeles, Los Angeles, CA
2013	Grand Rounds	"Enhancing healthcare systems education through digital media." Pediatric Grand Rounds, Children's Hospital Los Angeles, Los Angeles, CA
2018	CME Lecture	"Hamburger and a side of BPA." PedsRAP, HIPPO Education Podcast, November 2018.
2019	Grand Rounds	"From Medical Devices to Digital Health and Beyond." Pediatric Grand Rounds, Children's Hospital Los Angeles, Los Angeles, CA
2019	ACCM Grand Rounds	"Clinical Research Informatics Tools at CHLA+USC." Department of Anesthesia and Critical Care Medicine, Children's Hospital Los Angeles
2020	Grand Rounds	"Real World Evidence and Regulatory Processes in Pediatric Medical Devices." Pediatric Grand Rounds, Children's Hospital Los Angeles, Los Angeles, CA

## PUBLICATIONS:

\* INDICATES YOUR TRAINEES

\*\* INDICATES YOUR CO-FIRST OR CO-CORRESPONDING OR SENIOR AUTHORS

## REFEREED JOURNAL ARTICLES:

1. **Juan Espinoza**, Payal Shah, Saranya Veluswamy, Lonnie Zeltzer, Michael Khoo, Thomas Coates, Jacquelyn Baskin. Aura and Mental Stress are associated with Reports of Pain in Sick Cell Disease- A Pilot Study using a Mobile Application." *American Journal of Hematology*, accepted, 2020.
2. **Espinoza J**, Shah P, Raymond J. Integrating Continuous Glucose Monitor Data Directly into the Electronic Health Record: Proof of Concept. *Diabetes Technol Ther*. January 2020. doi:10.1089/dia.2019.0377
3. Luu C\*, Talbot TB, Fung CC, Ben-Isaac E, **Espinoza J**, Fischer S, Cho CS, Sargsyan M\*, Korand S\*, Chang TP. Development and Performance Assessment of a Digital Serious Game to Assess Multi-patient Care Skills in a simulated Pediatric Emergency Department. *Simulation & Gaming*, accepted, 2019.
4. Betz CL, Lewinter K, Kysh L, Hudson S, **Espinoza J**. Smart devices for the management of pediatric asthma: a scoping review protocol. JBI Database System Rev Implement Rep. 2019 Nov;17(11):2308-2316. doi: 10.11124/JBISIR-D-19-00083. PubMed PMID: 31592979.
5. Assaf RR\*, Hudson SM, Marcy S, Radbill L, Speybroeck A Van, Siskowski C, Patel M, **Espinoza J**<sup>†</sup>. Sibling Caregivers : A Mixed Methods Study and Family-Based Intervention Model in a Pediatric Hospital. *J Heal Educ Res Dev*. 2018;6.
6. D. Cho\*, M.J. Cosimini, and **J. Espinoza**<sup>†</sup>. Podcasting in medical education – a review of the literature. *Korean Journal of Medical Education*. . Korean J Med Educ. 2017;29 (4): 229-239. doi:https://doi.org/10.3946/kjme.2017.69
7. **J. Espinoza**, A. Chen\*, J. Orozco, A. Deavenport-Saman, L. Yin, Effect of personal activity trackers on weight loss in families enrolled in a comprehensive behavioral family-lifestyle intervention program in the federally qualified health center setting: A randomized controlled trial, *Contemp. Clin. Trials Commun*. 7 (2017) 86–94. doi:10.1016/j.conctc.2017.06.004.

8. J.P. Wagner, A.D. Schroeder, **J.C. Espinoza**, J.R. Hiatt, J.D. Mellinger, R.A. Cusick, R.J. Fitzgibbons, G. Campanelli, M. Cavalli, S. Roll, R.A. Silva, W. Reinbold, L.-F. Télémaque, B.D. Matthews, C.J. Filipi, D.C. Chen, Global Outreach Using a Systematic, Competency-Based Training Paradigm for Inguinal Hernioplasty, *JAMA Surg.* 152 (2017). doi:10.1001/jamasurg.2016.3323.
9. M.J. Cosimini, **J. Espinoza**, Telephone Management Training by Podcast - Length and Content Considerations (Descriptive Abstract), *Acad. Pediatr.* 17 (2017) e9–e10. doi:10.1016/j.acap.2017.04.046.
10. M.J. Cosimini, D. Cho\*, F. Liley, **J. Espinoza**, Podcasting in Medical Education: How Long Should an Educational Podcast Be?, *J. Grad. Med. Educ.* 9 (2017) 388–389. doi:10.4300/JGME-D-17-00015.1.
11. G. Flores, F.S. Mendoza, E. Fuentes-Afflick, J. a. Mendoza, L. Pachter, **J. Espinoza**, C.R. Fernandez, D.D.P. Arnold, N.M. Brown, K.M. Gonzalez, C. Lopez, M.C. Owen, K.M. Parks, K.L. Reynolds, C.J. Russell, Hot topics, urgent priorities, and ensuring success for racial/ethnic minority young investigators in academic pediatrics, *Int. J. Equity Health.* 15 (2016) 201. doi:10.1186/s12939-016-0494-6.
12. **J.C. Espinoza**, K. Haley, N. Patel, G. Dhall, S. Gardner, J. Allen, J. Torkildson, A. Cornelius, R. Rassekh, A. Bedros, M. Etzl, J. Garvin, K. Pradhan, R. Corbett, M. Sullivan, G. McGowage, D. Stein, R. Jasty, S. a. Sands, L. Ji, R. Sposto, J.L. Finlay, Outcome of young children with high-grade glioma treated with irradiation-avoiding intensive chemotherapy regimens: Final report of the Head Start II and III trials, *Pediatr. Blood Cancer.* 63 (2016) 1806–1813. doi:10.1002/pbc.26118.
13. N. Datta, I.T. Macqueen, A.D. Schroeder, J.J. Wilson, **J.C. Espinoza**, J.P. Wagner, C.J. Filipi, D.C. Chen, Wearable Technology for Global Surgical Teleproctoring, *J. Surg. Educ.* 72 (2015) 1290–1295. doi:10.1016/j.jsurg.2015.07.004.
14. D.H. Nguyen, **J.C. Espinoza**, D.D. Taub, Cellular cholesterol enrichment impairs T cell activation and chemotaxis, *Mech. Ageing Dev.* 125 (2004) 641–650.

#### REFEREED JOURNAL ARTICLES SUBMITTED:

1. **Juan Espinoza**, Kathryn Cooper, Nadine Afari, Payal Shah, Sree Batchu, Yaniv Bar-Cohen. Innovation in Pediatric Medical Devices: Proceedings from the West Coast Consortium for Technology & Innovation in Pediatrics (CTIP) 2019 Annual Stakeholder Summit. Submitted December 2019 to *JMIR Biomedical Engineering*.
2. **Juan Espinoza**<sup>†</sup>, Alexander Chen\*, Aric Ponce\*, Jazminne Orozco, Alexis Deavenport-Saman, Patricia Castillo, and Larry Yin. "Personal Activity Trackers are Associated with Increased Family Completion of a Pediatric Obesity Program: Early Results of a Randomized Controlled Trial." Submitted October 2019 to *Global Pediatric Health*.
3. Lauren Rissman\*, Alexis Deavenport-Saman, Mark Corden, Ronen Zipkin, Pia Pannaraj, and **Juan Espinoza**<sup>†</sup>. Handwashing education decreases respiratory and diarrheal illnesses in a rural Malawi orphanage. Submitted October 2019 to *Global Health Promotion*.
4. **Juan C. Espinoza**, Alexis Deavenport-Saman, Olga Solomon, Sampreeti Chowdhuri, Choo Phei Wee, Collen Azen, Jazminne Orozco, Cary Kreutzer, and Larry Yin. Not just at school: inclusion of children with autism spectrum disorder in a weight management program in a community pediatric setting. Submitted September 2019 to *Autism*.
5. Aric Ponce\*, Alexis Deavenport-Saman, Kenneth Hayashida, Larry Yin, and **Juan Espinoza**<sup>†</sup>. Exploring the Relationships between Childhood Fitness, Income, and School Outdoor Space Using a Polygon Mapping Technique." Submitted July 2019 to *Journal of Community Health*.

<sup>†</sup>= Senior/corresponding author

#### REFEREED JOURNAL ARTICLES IN PREPARATION:

1. Cecily Betz, Sharon Hudson, Lynn Kysh, and Juan Espinoza. "Reconsidering Reviews: the Role of Scoping Reviews in Pediatrics."

#### ABSTRACTS AND PRESENTATIONS:

1. **Espinoza, J**, Haley, K, Patel, N, Gardner, S, Allen, J, Torkildson, J, Cornelius, A, Hukin, J, Bedros, A, Etzl, M, Sullivan, M, McGowage, G, Ji, L, Sposto, R, and Finlay, JL. Final report on outcome of children with newly diagnosed high grade glioma (HGG) treated with multi-drug induction chemotherapy followed by consolidative myeloablative chemotherapy and autologous hematopoietic progenitor cell rescue (AuHPCR) on the "Head Start" II and III Protocols. Presented at the Society for Neuro Oncology, accepted for oral presentation at the SNO Annual Meeting, Anaheim, CA, November 17<sup>th</sup>-20<sup>th</sup> 2011.
2. Aric M Ponce\* and **Juan C Espinoza**. Exploring the Relationship between Childhood Fitness, Wealth, and School Green Space Using a Polygon Mapping Technique. Presented at the Academic Pediatric Association Region IX and X annual meeting, Monterey, CA, January 29<sup>th</sup>-31<sup>st</sup>, 2016
3. Barbara D Lam\* and **Juan C Espinoza**. Understanding Access to Mobile Technology Among Patients and Providers in Haiti. Presented at the Academic Pediatric Association Region IX and X annual meeting, Monterey, CA, January 29<sup>th</sup>-31<sup>st</sup>, 2016
4. **Juan Espinoza**. Children in Poverty, Technology and Obesity: A Fitbit Feasibility Study. Presented at the Academic Pediatric Association Region IX and X annual meeting, Monterey, CA, January 29<sup>th</sup>-31<sup>st</sup>, 2016
5. Christina Jung, **Juan Espinoza**, et al. Attending and Housestaff Attitudes Regarding Effectiveness of Current Outpatient General Pediatrics Teaching Modalities. Accepted to the Academic Pediatric Association Region IX and X annual meeting, Monterey, CA, January 29<sup>th</sup>-31<sup>st</sup>, 2016
6. Michael Cosimini and **Juan Espinoza**. An audio podcast format telephone triage educational curriculum for pediatric residents. Presented at the Innovations in Medical Education Conference, Los Angeles, CA, February 19<sup>th</sup>-20<sup>th</sup>, 2016
7. Jolene Collins and **Juan Espinoza**. Casting a Wider Net for Learning: the Sage Book Clinic Passport. Presented at the Innovations in Medical Education Conference, Los Angeles, CA, February 19<sup>th</sup>-20<sup>th</sup>, 2016
8. Lauren Rissman\*, **Juan Espinoza**, et al. Hand washing at an Orphanage in Rural Malawi. Presented at the CHLA Impact and Advocacy Poster session, Los Angeles, May 27<sup>th</sup> 2016
9. Rayman Assaf\*, **Juan Espinoza**, et al. The Hidden Population of Caregiving Youth. Presented at the CHLA Impact and Advocacy Poster session, Los Angeles, May 27<sup>th</sup> 2016
10. Aric M Ponce\* and **Juan C Espinoza**. Exploring the Relationship between Childhood Fitness, Wealth, and School Green Space Using a Polygon Mapping Technique. Presented at the Pediatric Academic Societies annual meeting, Baltimore, MD, April 30<sup>th</sup> – May 3<sup>rd</sup>, 2016
11. Barbara D Lam\* and **Juan C Espinoza**. Understanding Access to Mobile Technology Among Patients and Providers in Haiti. Presented at the Pediatric Academic Societies annual meeting, Baltimore, MD, April 30<sup>th</sup> – May 3<sup>rd</sup>, 2016
12. Alexander Chen\* and **Juan C Espinoza**<sup>†</sup>. Children in Poverty, Technology and Obesity: a Fitbit Feasibility Study. Presented at the Saban Research Institute Annual Poster Session, Los Angeles, CA, June 7<sup>th</sup>, 2016
13. Michael Cosimini, Daniel Cho\*, and **Juan Espinoza**. A podcast format curriculum for "Mommy Call." Presented at the Innovations in Medical Education Conference, Los Angeles, CA, February 2017
14. Michael Cosimini and **Juan Espinoza**. Telephone management training by podcast - length and content considerations. Presented at the Association of Pediatric Program Directors (APPD) meeting in Anaheim, CA, April 7th, 2017.



15. Alexander Chen\*, Aric Ponce\*, Jazminne Orozco, Alexis Deavenport-Saman, Patricia Castillo, Larry Yin, and **Juan Espinoza**<sup>†</sup>. Fitbits increase completion rates of a comprehensive weight loss program at a Federally Qualified Health Center (FQHC). Accepted to PAS, San Francisco, CA, May 5<sup>th</sup> – May 9<sup>rd</sup>, 2017
16. Jer-Bin Hwung, Jazminne Orozco, Lisa Lopez\*, Sneha Annamaneni\*, Alexis Deavenport-Saman, Larry Yin, and **Juan Espinoza**<sup>†</sup>. Obese and overweight children with autism spectrum disorders & developmental disabilities: enrollment and completion rates in an inclusive comprehensive weight loss program. Accepted to PAS, San Francisco, CA, May 5<sup>th</sup> – May 9<sup>rd</sup>, 2017
17. Carine N. Sidhom\*, Cary Kreutzer, Jazminne Orozco, Alexis Deavenport-Saman, Larry Yin, and **Juan Espinoza**<sup>†</sup>. Prevalence of poor sleep among overweight children enrolled in a comprehensive weight loss program, Accepted to PAS, San Francisco, CA, May 5<sup>th</sup> – May 9<sup>rd</sup>, 2017
18. Audrey Lai\*, Lisa Lopez\*, Jazminne Orozco, Alexis Deavenport-Saman, Larry Yin, and **Juan Espinoza**<sup>†</sup>. Incorporating technology into a comprehensive weight loss program in the FQHC setting: a needs assessment approach. Platform presentation, PAS, San Francisco, CA, May 5<sup>th</sup> – May 9<sup>rd</sup>, 2017
19. **Juan Espinoza**, Barry Cynamon, Nathan Smith, Jennie Tsao, Lonnie Zeltzer, Thomas Coates, Jacquelyn Baskin. Mobile Apps and Sick Cell Disease: a Utilization Study. Presented at PAS, San Francisco, CA, May 5<sup>th</sup> – May 9<sup>rd</sup>, 2017
20. Jung C, Collins J, Clancy K, Rao S, **Espinoza J**, Pratt J, Gutierrez Y. A Real-Time Mobile Competency-Based System to Improve the Quality and Quantity of Continuity Clinic Feedback. Presented at PAS, San Francisco, CA, May 5<sup>th</sup> – May 9<sup>rd</sup>, 2017.
21. Rao S, Jung C, Collins J, **Espinoza J**, Clancy K, Piper L, Pratt J, Gutierrez Y. Guiding Trainees to Cultivate Learning Goals in Continuity Clinic via an Educational Tracking Tool. Presented at PAS, San Francisco, CA, May 5<sup>th</sup> – May 9<sup>rd</sup>, 2017.
22. Monica Serrano-Gonzalez\*, Nicolette Sullivan, Christina M. Koppin, Robert Kim, Julie Werner, Joyce Javier, **Juan Espinoza**, Mimi S. Kim. Dietary Choice in Children is Strongly Related to the Processing Speed of Food Tastiness and Healthiness. Presented at PAS, San Francisco, CA, May 5<sup>th</sup> – May 9<sup>rd</sup>, 2017
23. Serrano-Gonzalez M\*, Sullivan N, Koppin CM\*, Kim R\*, Werner J, Javier J, **Espinoza J**, Kim MS. The Processing Speed of Tastiness and Healthiness of Food Determines Dietary Self-Control in Children. International Meeting of Pediatric Endocrinology, Washington D.C., September 2017. Hormone Research in Paediatrics 88, 523-524.
24. Rissman L\*, Deavenport-Saman A, **Espinoza J**<sup>†</sup>. Hand Hygiene at an orphanage in rural Malawi. Platform presentation, presented at the APA region IX/X meeting, Monterrey, CA, January 2018.
25. Kim R\*, Gabor-Fourcade E\*, Koppin CM\*, Herting MM, Serrano-Gonzalez M\*, Sullivan N, **Espinoza J**, Geffner ME, Kim MS. Dietary Self-Control is Not Influenced by Food Tastiness in Overweight/Obese Children with Congenital Adrenal Hyperplasia Compared to Matched Controls. Regional Oral Presentation, USC Diabetes and Obesity Research Institute Symposium, Los Angeles, CA, February 2018.
26. **Espinoza J**, Deavenport-Saman A, Chowdhuri S\*, Zajdman D\*, Wee CP, Orozco J, Yin L. An inclusive obesity intervention for children with ASD and intellectual disabilities. Presented at the Pediatric Academic Societies (PAS), Toronto, Canada, May 2018.
27. **Espinoza J**, Raymond J. Integrating continuous glucose monitoring data in the electronic medical record: proof of concept. Presented at the Pediatric Academic Societies (PAS), Toronto, Canada, May 2018.
28. **Espinoza J**, Deavenport-Saman A, Wee CP, Morales N\*, Qureshi O\*, Castillo P, Yin L. Targeting parents with digital health interventions in pediatric obesity: a randomized control trial. Presented at the Pediatric Academic Societies (PAS), Toronto, Canada, May 2018.
29. Ross H\*, Kreutzer C, Orozco J, Deavenport-Saman A, Yin L, **Espinoza J**<sup>†</sup>. Obesity interventions are not sufficient to improve disordered sleep in overweight and obese

- children. Presented at the Pediatric Academic Societies (PAS), Toronto, Canada, May 2018.
30. Lakshmanan A, Kubicek K, Akinyemi D, **Espinoza J**, Williams R, Friedlich P, Kipke M. Developing a resource navigation mobile (mHealth) application for transition-to-home from the NICU: A user-centered design approach." Presented at the Pediatric Academic Societies (PAS), Baltimore, MD, April 27-30, 2019
  31. Stankey M\*, Lam B\*, Patel M, **Espinoza J**<sup>†</sup>. Preferred Access to Resources Among Families in an Urban Complex Care Coordination Clinic. Presented at the Pediatric Academic Societies (PAS), Baltimore, MD, April 27-30, 2019
  32. Mehta P\*, Madison J, Braskett M, Tam J, **Espinoza J**<sup>†</sup>. Reimbursement patterns for direct to home telehealth specialty visits. Platform presentation, presented at the Pediatric Academic Societies (PAS), Baltimore, MD, April 27-30, 2019
  33. Tanawattanacharoen V\*, Kim R\*, Luo S, Herting MM, Ross HM\*, **Espinoza J**, Geffner ME, Kim MS. Dietary Self-control is Not Predicted by Food Tastiness among Youth with Congenital Adrenal Hyperplasia Compared to Matched Controls. The Obesity Society Annual Meeting (Obesity Week), Las Vegas, NV, November 2019.

\*= Trainee or student mentee

<sup>†</sup>= Senior/corresponding author

## PRESENTATIONS AND LECTURES

1. "Streptococcal toxic shock syndrome." Presented at: CHLA Department of Infectious Diseases education rounds, Los Angeles, CA, August 16<sup>th</sup>, 2009
2. "Hemophagocytic lymphohistiocytosis: a primer." Presented at: USC Keck School of Medicine Department of Allergy and Immunology, education rounds, Los Angeles, CA, November 20<sup>th</sup> 2009.
3. "HPV and cervical cancer." Presented at: CHLA Department of Adolescent Medicine education rounds, Los Angeles, CA, August 19<sup>th</sup> 2011.
4. "Psychosis in a school-aged child: anti-NMDA receptor encephalitis." Presented at: Children's Hospital Los Angeles senior case conference, Los Angeles, CA, August 24<sup>th</sup>, 2011
5. "Final report on outcome of children with newly diagnosed high grade glioma (HGG) treated with multi-drug induction chemotherapy followed by consolidative myeloablative chemotherapy and autologous hematopoietic progenitor cell rescue (AuHPCR) on the "Head Start" II and III Protocols." Platform presentation, Society for Neuro Oncology Annual Meeting, Anaheim, CA, November 19<sup>th</sup> 2011
6. "Irradiation-avoiding treatment strategies for children with high grade glioma and the final report on outcome for patients treated on the Head Start II & III Protocols, 1997 – 2009." Pediatrics Grand Rounds, Children's Hospital Los Angeles, Los Angeles, CA, December 9<sup>th</sup> 2011
7. "Prolonged fever: Hemophagocytic lymphohistiocytosis." Presented at: Children's Hospital Los Angeles senior case conference, Los Angeles, CA, August 8<sup>th</sup>, 2012
8. "Enhancing healthcare systems education through digital media." Pediatric Grand Rounds, Children's Hospital Los Angeles, Los Angeles, CA, June 7<sup>th</sup>, 2013
9. "Disparities in cancer outcomes: lesson learned from children with cancer." Presented at: Children's Hospital Los Angeles journal club, Los Angeles, CA, June 19<sup>th</sup> 2013
10. "The Hatian Hernioplasty Project." David Chen, Juan Espinoza. Presented at: Hôpital Universitaire de L'Etat de Haiti, Port-au-Prince, Haiti, November 6<sup>th</sup>, 2014.
11. "Introduction to Journal Club." Resident noon conference, Children's Hospital Los Angeles, 2015 – present (annual lecture)

12. "Facebook IHC as an international platform for Hernia Repair For the Underserved." David Chen, Juan Espinoza. Presented at: World Conference on Abdominal Wall Hernia Surgery, Milan, Italy, April 28<sup>th</sup>, 2015.
13. "The Hatian Hernioplasty Project." David Chen, Robert Cusick, Juan Espinoza. Presented at: Hôpital Universitaire de Mirebalais, Mirebalais, Haiti, October 22<sup>nd</sup>, 2015.
14. "The Challenge of Sleep," Panelist. HealthXL Global Gathering, San Francisco, CA, April 12<sup>th</sup>, 2016
15. "Managing Pediatric Chronic Disease in the Digital Age," Panelist. Consortium for Technology and Innovation in Pediatrics, CHLA, Los Angeles, CA. May 16<sup>th</sup>, 2016
16. "Providers' Panel" Panelist. HealthXL Global Gathering, Boston, MA, September 21<sup>st</sup>, 2016
17. "The Hatian Hernioplasty Project - Update" David Chen, Juan Espinoza. Presented at: Hôpital Universitaire de Mirebalais, Mirebalais, Haiti, September 26<sup>th</sup>, 2016.
18. "Leveraging Medical Health Record Data for Identifying Research Study Participants: Practical Guidance on Using Clinical Research Informatics Applications in Your Research." Juan Espinoza. SC CTSI Digital Scholars Webinar Series. May 2<sup>nd</sup>, 2018.
19. "CTSI Clinical Research Informatics (CRI) for CHLA Researchers." Juan Espinoza. The Saban Research Institute Research Readiness Workshop Series. March 20<sup>th</sup>, 2019

## WORKSHOPS

1. "Understanding the New Tools: Digital media and technology and their applications for research, clinical care and education." Workshop leader. Presented at the APA Region IX and X Annual Meeting, Monterey, California, January 31, 2016.
2. "Exploring New Tools: A primer on digital media and technology and their applications for medical research, clinical care and education." Workshop leader. Presented at the Pediatric Academic Societies meeting in San Francisco, CA, May 2017.
3. "Talking the Talk: Using podcasting to deliver educational curricula." Workshop Co-presenter. Presented at the COMSEP annual meeting in Denver, CO, April 2018.
4. "Podcasting for clinicians and medical educators: A hands on training." Workshop leader. Presented at the Pediatric Academic Societies meeting in Toronto, Canada, May 2018.

## MEDIA AND TELEVISION APPEARANCES:

1. March 2, 2012, *Parents refusing vaccines*, Airtalk, KPCC, NPR, Los Angeles
2. April 27, 2012, *Teens drinking hand sanitizer*, Despierta America, Univision, Los Angeles
3. January 2, 2013, *RSV complications*, Telemundo News, KVEA, Los Angeles
4. November 26, 2013, *Toy Safety*, CHLA and CALPERG Holiday Press Conference
5. December 2, 2014, *Toy Safety*, CHLA and CALPERG Holiday Press Conference
6. August 12, 2015, *Children's Hospital LA Shares Check List For Kids' Safe Return To School*. KCBS, Los Angeles
7. August 13, 2015, *Children's Hospital Specialists Offer Back to School Tips*, Hoy, Los Angeles
8. August 18, 2015, *Don't text while walking and other school-safety tips*, Los Angeles Daily News
9. August 18, 2015, *It's Back To School Day For LAUSD, Tips To Get Your Kids Going*, FOX 11, Los Angeles
10. August 17, 2015, *Doctors Warn Parents of Spike in Accidents During Back-To-School Season*, ABC7, Los Angeles
11. August 19, 2015, *Necessary Adjustments for 'Going Back to School'*, San Fernando Valley Sun
12. November 24, 2015, *Toy Safety*. CHLA and CALPERG Holiday Press Conference
13. June 20, 2016, *Summer Safety*. ABC7, Los Angeles
14. January 20, 2017, *It's not too late to get a flu shot, say officials*, Health News, KPCC, NPR, Los Angeles

15. June 1, 2017, *Using Digital Technology and Media for Better Outcomes in Pediatric Medicine*, Innovation Unleashed Podcast with Dr. Alan Russell, Pittsburgh, PA
16. August 21, 2018, *Editing the Children's Menu*, Take 2, KPCC, NPR, Los Angeles
17. September 20<sup>th</sup>, 2018, *Children's Hospital Los Angeles-Led Consortium Awarded \$6.6 Million Grant by the FDA to Advance Pediatric Innovation*, BusinessWire  
<https://www.businesswire.com/news/home/20180920005180/en/Children%E2%80%99s-Hospital-Los-Angeles-Led-Consortium-Awarded-6.6>
18. April 16<sup>th</sup>, 2019, *To steer her child away from obesity, a mother turns her life upside down*, Los Angeles Times, Los Angeles, <https://www.latimes.com/science/sciencenow/la-me-childhood-obesity-20190416-htmlstory.html>
19. May 20<sup>th</sup>, 2019, *Soon You Might Be Able to Diagnose Your Kid's Ear Infection With a Smartphone*, Medium.com, <https://elemental.medium.com/soon-you-might-be-able-to-diagnose-your-kids-ear-infection-with-a-smartphone-b21b25f7bbbb>
20. June 1<sup>st</sup>, 2019, *Obesity and Nutrition in the Latino Community*, Univision, Channel 34, Los Angeles, CA

# ERIC MEYER, MHA

(916)549-9746; eric.michael.meyer@gmail.com; 3831 W Park Balboa Ave., Orange, CA 92868

## PROFESSIONAL OBJECTIVE

I am an ambitious, positive self-starter with progressive experience leading complex improvement initiatives in large, dynamic healthcare organizations in both the inpatient and outpatient clinical environment. I work hard to develop relationships and create alignment of purpose amongst stakeholders. I have strong experience deploying Design Thinking and Lean/Six Sigma improvement methodologies to execute high visibility strategic initiatives.

## EXPERIENCE

### INNOVATION STRATEGIST, INNOVATION STUDIO

Nov. 2018-Present

*Children's Hospital Los Angeles: Los Angeles, CA*

Build partnerships between internal providers and external startups, companies, and investors to incubate and accelerate ideas, products, and processes that solve complex problems aligned with CHLA's mission. Use Design Thinking as a framework to redesign care models, accelerate technology implementation, and cultivate a culture of innovation.

- Launched and currently manage CHLA Digital Health Lab, a digital health incubator and accelerator program aimed at building digital therapeutics, improving clinician training and satisfaction, and improving patient and family experience
- Launched CHLA Better, Faster, Cheaper Innovation Challenge to identify new or existing solutions to pilot and operationalize at scale
- Leading product development for an initiative to improve social and emotional determinants of health for LatinX patients and families in the LA community

### MANAGER, PROVIDER EXPERIENCE

Jan. 2018-Nov. 2018

*Dignity Health Woodland Clinic Medical Group: Woodland, CA*

As an internal consultancy, I provided a full suite of Design Thinking and Lean services to simplify complex problems, developed roadmaps for testing new ideas, measured results with actionable data, and scaled solutions across a large medical group of over 160 physicians and advanced care practitioners.

- Primary care redesign of patient and provider experience
- Developed a custom model for measuring provider experience and non-directly compensated provider work
- Optimized the physician and advanced care practitioner delivery model to manage workload and align provider skillsets

### AMBULATORY PERFORMANCE EXCELLENCE CONSULTANT

Dec. 2015-Jan. 2018

*Dignity Health Medical Foundation: Rancho Cordova, CA*

Led both Lean and Design Thinking population health initiatives supporting outpatient clinics in Sacramento, Woodland, Davis, Santa Cruz, Stockton, and Southern California.

- Cultivating Healthy Communities project: engaged front-line staff to improve value-based care population health metrics, specifically those tied to incentive programs:
  - Patient Satisfaction from 76.3% in Q3 2016 to 90.5% in Q2 2017
  - Optimal Diabetes Care from 19.9% to 37.4% (goal=32.2%)
  - Controlling Blood Pressure from 40.9% to 78.5% (goal=66.6%)
  - Hierarchical Condition Category (HCC) from 46.0% (2015) to 85.5% (2016)
- Practice Transformation: redesigned the outpatient clinic experience to diminish provider and staff burnout, and optimize the patient experience

# ERIC MEYER, MHA

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## EXPERIENCE (cont.)

### LEAD, QUALITY IMPROVEMENT

Aug. 2015- Dec. 2015

*Cedars-Sinai Medical Center: Los Angeles, CA*

Managed a team of 5 Performance Improvement project managers and facilitators with a portfolio of over 16 quality improvement initiatives.

- Coached and mentored staff in Performance Improvement tools & methods
- Provided team guidance in communication with stakeholders, training of staff, project management, and deployment strategy
- Project portfolio highlights included: Management of Medicine Patients with Chronic Pain, End of Life Care Management, Management of ED High Utilizers

### PROJECT MGR, INNOVATION & DESIGN THINKING

Dec. 2014- Aug. 2015

*Cedars-Sinai Medical Center: Los Angeles, CA*

Partnered with members from across Cedars-Sinai to provide expertise in implementing the methods, tools, and mindsets of Design Thinking.

- Created and facilitated Design Thinking Bootcamp and Crash-courses
- Designed and deployed Lean/Six Sigma Green Belt, White Belt, and Yellow Belt courses

Facilitated projects through the design cycle: Empathize, Define, Ideate, Prototype, and Test. Dig deep into the emotions, behaviors, motivators, barriers, and constraints of patients and staff, factors that are often omitted from the design of products, processes, services, and systems.

- Patient experience Journey Mapping: infusion center experience, pre-operative experience, outpatient clinic experience
- Cardiac Surgery ICU Care Delivery project: redesigning opportunity areas under communication, collaboration, appropriateness, and care planning

### PROCESS ARCHITECT, PERFORMANCE MANAGEMENT

Jul. 2013- Dec. 2014

*Keck Medical Center of USC: Los Angeles, CA*

Collaborated with Patient Experience department to design and deploy Annual Culture training to all Keck Medical Center of USC employees.

- Co-trained over 200 Medical Center leaders manager level and above, and over 3000 front-line employees

Facilitated Perioperative Lean transformation to redesign the pre-operative experience.

- Identified potential cost savings of \$2M
- Increased Pre-Anesthesia Clinic capacity from 44 patients per day to ~100

### RESIDENT, PERFORMANCE MANAGEMENT

Jun. 2012- Jul. 2013

*Keck Medical Center of USC: Los Angeles, CA*

Led implementation of the patient interactive system across 400 beds within Keck Hospital of USC and 52 beds in USC Norris Cancer Hospital. Was awarded 'Outstanding Achievement in Patient and Staff Engagement' at the 2013 Skylight Healthcare Services Conference.

### OPERATIONS INTERN

2012

*Healthcare Partners Medical Group: Los Angeles, CA*

# ERIC MEYER, MHA

(916)549-9746; eric.michael.meyer@gmail.com; 3831 W Park Balboa Ave., Orange, CA 92868

## EDUCATION

### MASTER OF HEALTH ADMINISTRATION

2011-2013

*University of Southern California: Los Angeles, CA*

### BACHELOR OF SCIENCE, BIOLOGICAL SCIENCES

2007-2011

*University of the Pacific: Stockton, CA*

## CERTIFICATIONS

### DESIGN KIT: THE COURSE FOR HUMAN CENTERED DESIGN

2015

*IDEO & Acumen Courses: Palo Alto, CA*

### ADVANCED LEAN TRAINING

2014

*Virginia Mason Institute: Seattle, WA*

### SIX SIGMA GREEN BELT

2012

*Institute of Industrial Engineers (IIE): Los Angeles, CA*

## LEADERSHIP

### BOARD MEMBER

Mar. 2017-Dec. 2018

*California Association of Healthcare Leaders: Northern California*

# CHARLOTTE CRAMER

www.charlottecramer.com | charlottencramer@gmail.com

## EMPLOYMENT |

### CHILDREN'S HOSPITAL LOS ANGELES: Innovation Studio

Innovation Strategist: 11/2019 - Present

- Live projects include: opioid misuse prevention, transfer of care, latinx mental health, nature-therapy

### ASSOCIATE LECTURER: Behavior Change Strategy

UCLA and University of the Arts, London: 2016 - Present

- Workshops on leveraging behaviour change theory to create social innovations

### FREELANCE STRATEGY CONSULTANT: Behavior Change Strategy

Facebook, AKQA, PlantB.TV, Girl Effect 10/2017 - Present

- Plantb.tv Reached 10 million Arabs and converted 60% to a plant-based nutrition challenge
- Developed strategy for T-Mobile to optimize user-experience and reduce churn on metroPCS
- Designed Facebook's Oversight Board brand and product to convey trust and streamline experience

### BEYOND / GOOGLE, SAN FRANCISCO: Digital Innovation Agency

Strategist (Digital Product/Innovation): 03/2016 – 10/2017

- Product strategy lead Google for Entrepreneurs, google.org and Google Retail increasing retention 80%
- Designed and launched Beyond San Francisco's internal Social Impact hub: Beyond Good

### VICE MEDIA LLC: Vice's in-house Creative Agency

Digital Strategy Consultant (freelance): 10/2015 – 02/2016

- Appointed to lead day-to-day Digital Strategy on Dove
- Responsible for developing social-content frameworks for our global client to deploy into local markets
- Working with Dove's research, PR and development teams to ensure strategic alignment and optimisation

### MAIDO: Digital Agency

Lead Creative Strategy Consultant (Digital): 07/2015 – 10/2015

- Leading the Creative Strategy offering in this boutique digital agency
- Organising cross-disciplinary workshops with designers and UX Strategists with Google and Mindshare
- Pro-actively seeking new business and building Maida's connections in the industry

### PROTEIN: Creative Agency

Creative Strategy Consultant: 12/2014 – 07/2015

- Leading the Creative Strategy department managing and training a team of three Creatives
- Organising cross-disciplinary workshops and running a number of global pitches
- Cannes Young Lions Media Award shortlist for an innovative media brief on NSPCC

### J.WALTER THOMPSON: Advertising Agency

Strategist: 05/2013 – 12/2014

- Working across Brand Planning, Digital Strategy, and Business Strategy
- Shaping 2015 strategy for Bayer brands including brand, SEO, SEM, social and content strategy
- Set up 'Hummingbird' an internal program of events at JWT established to educate the broader agency about digital innovation and technology

## CO-FOUNDER |

### CRACK + CIDER: A shop for the homeless

Co-Founder: 10/2015 - Present

- Launched a shop where you can buy essential items which we distribute to homeless people
- With only £614 of startup costs we sold over \$100,000 in our first year - 5600% ROI
- Average donation UK £28 US \$120 compared to \$2 industry benchmark
- Praised by BBC, The Evening Standard, Mashable: "pioneering approach" and "a more human way to help"

### GLOWAWAY.CO: An innovative solution to children's fear of the dark

Co-Founder: 11/2013 – 06/2015

- Identified market opportunity to create the first "magical blanket" for kids that lights up at night
- 80% customers reported zero nightmares 30-days after purchase
- \$20K in funding from Virgin Startups, securing us mentoring with Sir. Richard Branson
- Recruited and led global team of six to design, manufacturer, and launch final product

## EDUCATION |

### KING'S COLLEGE LONDON

MSc Applied Neuroscience of Mental Health

### UNIVERSITY OF THE ARTS, LONDON

BA (Hons) Creative Advertising Strategy

- First Class Degree with Honors (equivalent to GPA 4.0)

## HELLO |

I leverage **Design Thinking and Neuroscience** to create products, experiences and communications which result in **measurable behavior change**

## KEY SKILLS |

Applied Neuroscience  
Behavioral Economics  
Design Thinking  
Product Strategy

## SPEAKING + PRESS |

SXSW '17  
Cannes Lions '17 and '18  
Rock Health '19  
Soho House '16  
HIMSS '19  
Tate Modern '17

The Guardian  
SF Chronicle  
PSFK  
Fast Company  
Entrepreneur  
Business Insider  
Huffington Post



# Yael Kessler BSN, MPH, RN, CPN, CCRN

[Yaelkessler@gmail.com](mailto:Yaelkessler@gmail.com) | 310.968.9790

## **Work Experience**

### **Administrative Fellow**

*Children's Hospital Los Angeles*

July 2019-present  
*Los Angeles, California*

- Attends all executive level meetings and receives executive level mentorship from the CEO and Senior Vice Presidents
- Manages a monthly meeting hosted by the CEO for administrative leadership and physician leadership. Responsible for coordinating all content from SVPs and VPs and communicating directly with the CEO
- Rotations and projects:
  - Finance: Completed comprehensive revenue analysis by patient class/payor type and presented to the Vice President of Finance to inform strategic financial decision making for the upcoming fiscal year
  - Innovation Studio: Assisted the Director of Digital Care in the development of CHLA's online second opinion program; Spearheaded an environmentally conscience resource management initiative that is positioned to yield cost savings in clinical supplies, office supplies and furniture throughout the CHLA enterprise; Developing a comprehensive project initiation tool to ensure that all project proposals are vetted prior to project initiation for alignment with the organization, added value, staffing needs, budget constraints and change saturation within affected areas
  - Foundation Strategy: Collaborated with administrative leadership, physician leadership, decision support services and foundation leadership to establish strategic fundraising priorities and ensure their alignment with the enterprise strategic plan. Used priorities to create a fundraising menu with meaningful descriptions of each item to be utilized by frontline fundraisers to connect each donation opportunity to its intrinsic value to the organization
  - Information Technology: Collaborated with the clinical IT team and Cerner to manage the integration and interoperability of a universal medical record within the internal Cerner system. Assisted in creating physician and nursing workflows associated with the integration for optimal use

### **Registered Nurse / Charge Nurse: PICU**

*Cedars Sinai Medical Center*

October 2012-June 2019  
*Los Angeles, California*

- Serve as PICU/ Pediatric Cardiac ICU bedside nurse, Charge Nurse for PICU/Pediatric Cardiac ICU, Designated preceptor for PICU RN internship program
- Abstract author and poster presenter at Western Society of Pediatric Cardiology: "Implementation of Effective Intranasal Sedation Protocol". Responsible for planning, execution, monitoring, quality and training of 20 employees for this protocol within the Pediatric Cardiac ICU. Protocol met four main objectives with 95% of patients and became standard practice within the Pediatric Cardiac ICU
- Creator and champion of multiple unit quality improvement projects including: Improved communication with emergency department to expedite transfer of high-risk patients and equipment tracking process

### **Summer Intern**

*The Wonderful Company: Health and Wellness Division*

August 2018-October 2018  
*Los Angeles, California*

- Worked with the Director of Wellness Centers for their employees in the California Central Valley
- Developed a cost dashboard of all diabetic medications to promote uniform, cost-conscious decision making by all 7 physicians employed by the clinic

### **Registered Nurse: Cardiovascular ICU, Per Diem**

*Children's Hospital Orange County*

September 2016 – February 2018  
*Orange County, California*

- RN in a 12-bed cardiovascular critical care unit caring for the full range of pediatric cardiopulmonary disorders

### **Registered Nurse: Pediatric Float Pool**

*New York Hospital Queens- Affiliate Weill Cornell Medical Center*

July 2011-September 2012  
*Queens, New York*

### **Registered Nurse: Surgical Step Down/Transplant**

*Mount Sinai Medical Center*

November 2009- June 2011  
*Manhattan, New York*

# Yael Kessler BSN, MPH, RN, CPN, CCRN

Yaelkessler@gmail.com | 310.968.9790

## **Education**

### **University of California Los Angeles, School of Public Health**

Executive Master's in Public Health in Healthcare Policy and Healthcare Administration

August 2016-- June 2019

*Los Angeles, California*

### **University of Pennsylvania, School of Nursing**

Bachelor of Science in Nursing; Hillman Scholar

September 2005-May 2009

*Philadelphia, Pennsylvania*

### **Hong Kong University**

University of Pennsylvania Study Abroad Program

May 2008

*Hong Kong*

- Course focused on comparing international health care systems

## **Volunteer Experience**

### **Registered Nurse: PICU**

*Africa Mercy Ship*

January 2017-March 2017

*Hospital Ship, Benin, Africa*

- Mercy Ships, a global charity, operates a fleet of hospital ships delivering free surgery in developing nations
- Initiated and spearheaded multiple process improvement projects: decreased pediatric medication errors by 80%; 100% eliminated the need for 5ml NS vials; reduced the supplies used for IVPB meds by 25%

### **Nurse Preceptor: Pediatric Cardiovascular ICU**

*International Children's Heart Foundation*

December 2017

*Guyana, South America*

- Responsible for training local Guyanese nurses and residents on receiving cardiac patients from OR, post op patient management, and dynamic medication management for the post-op cardiac patient

## **Awards**

### **President's Award Recipient**

*Cedars-Sinai Medical Center*

March 2017

*Los Angeles, California*

- Highest recognition at Cedars-Sinai; Recipients are recognized by the CEO for creativity and innovation, first-rate problem-solving abilities, exceptional collaborative skills, exceptional professionalism, kindness and responsiveness

### **Circle of Friends Award Recipient**

*Cedars-Sinai Medical Center*

June 2015

*Los Angeles, California*

- Award granted to caregiver by patient in honor of exemplary patient care. A donation is made to Cedars-Sinai in honor of the caregiver for the excellent care provided by recipient

### **Hillman Scholarship Award Recipient**

*University of Pennsylvania*

September 2005-May 2009

*Philadelphia, Pennsylvania*

- An achievement-based scholarship awarded to outstanding students to nurture innovative nurse leaders

**Innovation Program Coordinator** with 8+ years of experience in the healthcare field; most recently in strategy and innovation within healthcare, particularly around the convergence of digital health and healthcare delivery to support better population health outcomes. Focused on the Los Angeles medical technology ecosystem and empowering entrepreneurs to chase solutions to the systemic problems that face our society. A thought leader dedicated to growing a culture of innovation within CHLA, as well as externally in the surrounding community; thorough, forward-thinking strategist capable of managing projects, large scale events, and supporting innovative initiatives.

- Experienced panel speaker
- XPRIZE 1st place winner for the Future of Work Prize Design (March 2020)
- Co-Lead, Health 2.0 Los Angeles Chapter (1600 member network)
- International Children's Advisory Network (iCAN) Local Chapter Leader
- Proficient in the use of Human Centered Design Thinking Methodology
- Advanced in Microsoft Office Suite, Adobe

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**Professional Experience:****Children's Hospital Los Angeles (CHLA) – Innovation Program Coordinator (2018 – Present) Los Angeles, CA**

- Innovation project management - Disney Team of Heroes Project
- Experienced in contract management and budget reconciliation
- Facilitate communications & relations with local health related community organizations in Los Angeles
- Community outreach - Organize frequent, large-scale events for Los Angeles MedTech ecosystem
- Actively working to build an internal culture of innovation
- Participating in effort to build CHLA's Virtual Care Program and Virtual Offerings
- Facilitating the CHLA Innovation Studio 2020 Food as Medicine Hackathon with goals including: the launch of a pilot program that addresses food insecurity issues; developing a market-driven concept, and ultimately creating an ecosystem that promotes nutritious food and healthy lives for children
- In partnership with USC Iovine and Young Academy, designed, developed and implemented the 2019 Diabetes Design Sprint and subsequently managed 3 resulting projects, including chatbot development to improve access to CHLA Endocrinology team of experts

**Hunt Brain and Spine, A Verity Medical Foundation Partnership – Practice Manager (2016 – 2018) Los Angeles, Ca**

- Regular review of productivity, made staffing adjustments as needed
- Tracked licensure requirements for staff
- Conducted regular staff meetings and annual performance evaluations for administrative team
- Reviewed accounts receivable reports, managed practice and department budgets
- Addressed patient complaints and concerns in a compassionate and timely fashion, and coordinated patient referrals/new patient recruitment
- Worked with physicians to develop business strategies and patient services/Designed and implemented workplace procedures
- Led a team made up of medical secretaries, receptionists, records staff
- Coordinated with general practitioners, nurses, physiotherapists, and other medical practice employees to ensure they have necessary support
- Oversaw daily practice operations, including appointment scheduling, billing procedures, debt collections, and occupational health and safety
- Recruited, trained, and supervised new administrative employees in accordance with HR guidelines
- Monitored practice's progress in meeting government targets

**Cedars-Sinai Health System - Administrative Services Associate (2014-2016) Los Angeles, Ca**

- Provided Committee Coordinator function for several high priority, high volume committees; including the recording of minutes, facilitating a productive meeting pace, presentation preparation, etc.
- Responsibility for administrative support to the Vice President for Medical Affairs, including but not limited to: assisting in newly acquired affiliate meetings/interaction, projects, and requests, facilitation of weekly Chief of Staff meetings and agenda management in order to ensure prioritization of medical staff governance is still on track/progressing
- Represented senior level executives in an effort to promote/maintain strategic relationships between departments
- Financial management, budget reconciliation, variance investigation/justification for department
- Translated complex concepts and data into compelling visuals for routine update meetings, and edited existing PowerPoint slides to enhance the corporate message

**Cedars-Sinai Health System - Management Assistant (2012-2014)**

- Provided administrative support to the department of Clinical Innovation and CS Medicine
- Accounting - including budget management, variance investigation and explanation

- Developed deliverables/marketing material related to patient awareness that elevated, differentiated and functioned on-brand and on-strategy.
  - Data entry/assistance for special projects.
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***Education:***

**Bachelor of Arts, San Diego State University- San Diego, Ca**

## CURRICULUM VITAE

A. Personal Information

Name	Jeffrey Ira Gold, Ph.D.
Business Address	Children's Hospital Los Angeles Department of Anesthesiology Critical Care Medicine 4650 Sunset Boulevard MS#12 Los Angeles, CA 90027
Business Phone	323.361.6341
Business Fax	323.361.1022
Home Address	
Home Phone	818.335.1669
Citizenship	U.S.A
E-Mail Address	<a href="mailto:jgold@chla.usc.edu">jgold@chla.usc.edu</a>

B. Education

High School	Granada Hills High School, Los Angeles, CA 1983
College or University	University of California, Santa Barbara, B.A., 1988
Graduate School	California State University, Northridge, M.A., 1991
Pre-Doctoral Internship	Tufts University School of Medicine/Boston Department of Veterans Affairs Psychology Internship Consortium (APA-accredited), September 1997-August 1998
Research Fellowship	National Center for Posttraumatic Stress Disorder (PTSD) - Boston VA Medical Center, Women's Health and Sciences Division, August 1998-June 1999.
Graduate School	California School of Professional Psychology, Ph.D., 1999
Post-Doctoral Fellow/ Assistant Research Scientist	UCSF Benioff Children's Hospital Oakland, Departments of Psychiatry and Hematology/Oncology, June 2000-December 2001

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**Honors and Awards**

Honors, University of California, Santa Barbara, 1988

Dissertation Award from the Multicultural and Community,  
1997

Division for the Investigation of Ethnic Minorities,  
California School of Professional Psychology, 1998

Humanism Award Nominee, Children's Hospital of Los  
Angeles 30th Annual, 2003

Clinical Research Academic Career Development  
Award (CRACDA), Children's Hospital Los Angeles  
and The Saban Research Institute, 2007

The Founder's Award presented to the Children Hospital  
Los Angeles-Heart Touch Project Committee for their  
compassion, service, and dedication, 2009.

Recipient of the University of Southern California Mellon  
Mentoring Award, 2015

Nominated Fellow into the Society of Pediatric Research  
(SPR), November 2015

**Licensure**

Licensed Psychologist – PSY19530 (2002 - Current)

**Other**

Research Assistant, University of California, Santa  
Barbara, Department of Psychology, Social Psychology,  
CA, USA, 1987-1988

Rotating Trainee, Kindergarten Intervention Program (KIP)  
Los Angeles School Mental Health Services, CA, USA,  
1989-1990

Research Assistant, University of California at Los  
Angeles, Department of Psychology, Autism Project,  
CA, USA, 1990-1990

Rotating Trainee, San Fernando Valley Child Guidance  
Clinic, CA, USA, 1990-1991

Staff Research Associate, Schizophrenia and substance  
abuse research, UCLA Neuropsychiatric Institute and  
Hospital, West Los Angeles Veterans Administration  
Medical Center-Brentwood Division Los Angeles, CA,  
USA, 1991-1993

Clinical Research Assistant, Childhood psychiatric and chronic illnesses research, Children's Hospital Oakland– Departments of Psychiatry and Hematology Oakland, CA, USA, 1993-1997

Rotating Trainee, University of California at Davis – Counseling Center, CA, USA, 1995-1996

Rotating Trainee, California School of Professional Psychology- Psychological Service Center, (CA, USA, 1996-1997

Project Director, Posttraumatic Stress Disorder Research Program-VA San Francisco Health Care System, CA, USA, 1999- 2000

Project Director, Cancer Pain Research Program-VA Palo Alto Health Care System, CA, USA, 2000- 2001

### C. Professional Background

#### **Academic appointments**

Clinical Assistant Professor of Pediatrics, Keck School of Medicine, University of Southern California, Los Angeles, CA 2002-2004

Assistant Professor of Clinical Anesthesiology, Keck School of Medicine, University of Southern California, Los Angeles, CA, 2004-2009

Assistant Professor of Clinical Pediatrics, Keck School of Medicine, University of Southern California, Los Angeles, CA, 2006-2009

Associate Professor of Clinical Anesthesiology and Pediatrics, Keck School of Medicine, University of Southern California, Los Angeles, CA, 2009-2015

Professor of Clinical Anesthesiology and Pediatrics, Keck School of Medicine, University of Southern California, Los Angeles, CA, 2015-current

Professor of Clinical Psychiatry & Behavioral Sciences, Keck School of Medicine, University of Southern California, Los Angeles, CA, 2019-current

Professor of Clinical Anesthesiology, Pediatrics, and Psychiatry & Behavioral Sciences, Keck School of Medicine, University of Southern California, Los Angeles, CA, 2019-current

#### **Specific Teaching Responsibilities**

Graduate School Tutorials in research design, methods, and statistical analysis, 1993-1998

Pediatric Psychology Faculty at CHLA responsible for routine teaching/supervision and lecturing of APA-accredited interns and post-doctoral fellows in the USC University Center of Excellence in Developmental Disabilities, 2002-current

Psychologist on the Pain Management and Palliative Care Program responsible for teaching/educating health care staff hospital wide including physicians, nurses, social workers, psychologists, spiritual care, and other support/ancillary services about pediatric pain management, 2002-current

Faculty/Psychologist Attending at CHLA in the Department of Anesthesiology Critical Care Medicine responsible for teaching/mentoring/educating medical fellows and volunteer research medical residents about pediatric pain management and research methodology, 2002-current

### **Specific Administrative Responsibilities**

Program Coordinator, Kindergarten Intervention Program (KIP), Los Angeles School Mental Health Services, Los Angeles, CA, 1991-1991

Project Director, PTSD Program, VA San Francisco, CA, 1999-2000

Project Director, Cancer Pain Research, VA Palo Alto, CA, 2000-2001

Co-Director, Chronic Pediatric Pain Management Clinic, Department of Anesthesiology Critical Care Medicine, Children's Hospital Los Angeles, Los Angeles, CA, 2002-2007

Director, Pediatric Pain Management Clinic, Department of Anesthesiology Critical Care Medicine, Children's Hospital Los Angeles, Los Angeles, CA, 2007 – 2019

Director, CHLA – Yo San University Pediatric Acupuncture Program, Children's Hospital Los Angeles, CA, USA, 2009 – Current

Lead Administrative Staff, Discipline Coordinator for Pediatrics and Psychology; and Primary Activity Coordinator for Clinical, Pediatric, and Research Services for the USC LEND at Children's Hospital Los Angeles, Los Angeles, CA, 2009-Current

Founder & Director, Children's Outcomes, Research, and Evaluation (CORE) Program, Children's Hospital Los Angeles, Department of Anesthesiology Critical Care Medicine, CA, USA, Los Angeles, CA, 2011-Current

Founder and Faculty member of the USC Institute for Integrated Health & Wellness Program, Accepted into "The Consortium of Academic Health Centers for Integrative Medicine," Los Angeles, CA, 2012-Current

Director, CHLA – Heart Touch Pediatric Massage Program, Children's Hospital Los Angeles, Los Angeles, CA, 2013- Current



Vice-Chair, Children's Hospital Los Angeles, Institutional Review Board (IRB), Los Angeles, CA, 2013 – Current

Director Emeritus and Founder of the Pediatric Pain Management Clinic, Pediatric Pain Management Clinic, Department of Anesthesiology Critical Care Medicine, Children's Hospital Los Angeles, Los Angeles, CA, 2019 - Current

D. Society Memberships

**Professional**

American Psychological Association, 1988 - Current

Society of Pediatric Psychology, 1997- Current

International Society for Traumatic Stress Studies, 1998 - Current

American Pain Society, 2002 – 2019 (Chapter 7 dissolution)

International Association for the Study of Pain, 2003 - Current

E. Service

**Professional Organizations**

National/International

Scientific Reviewer, The 11<sup>th</sup> annual CyberTherapy Conference, 2006.

Scientific Reviewer, The 12<sup>th</sup> annual CyberTherapy Conference, 2007.

Scientific Reviewer, The 13<sup>th</sup> annual CyberTherapy Conference, 2008.

Grant Reviewer, The Dutch Burns Foundation, 2008.

US Army Medical Research and Materiel Command (USAMRMC); The Scientific Peer Advisory and Review Services division of the American Institute of Biological Sciences (AIBS), 2008.

Virtual Rehabilitation 2009 International Conference, University of Haifa, Israel, 2009.

Symposium/Panel Director for The International Society for Traumatic Stress Studies (ISTSS) Annual Conference "Traumatic Stress Disorders: Toward the DSM-V and ICD-11, 2009.

National Advisory Board for the Center for Pediatric Traumatic Stress, Children's Hospital of Philadelphia (CHOP), 2012.

Faculty Collaborator in the Pain in Child Health (PICH), Canadian Pain Society, 2014-Current

Co-Chair of the Annual Meeting Organizing Committee (AMOC) for The  
International Society for Traumatic Stress Studies (ISTSS), 2019 - 2022

Local

Faculty collaborator in the Center on Stress and Health in Children at the  
University of California at Irvine, Research Center with the School of  
Medicine, 2011-Current

**University/Other Committees**

Comfort and Pain Management Committee, Children's Hospital Los Angeles  
2002-current

Child Health Accountability Initiative (CHAI), Children's Hospital Los Angeles  
2002-2004

Consultant for the development and implementation of research associated with  
massage for children in a hospitalized setting, CHLA – Heart Touch  
Massage Program, Children's Hospital Los Angeles, 2002-current

Chairperson to the subcommittee on Complementary Therapies, CHLA  
Comfort and Pain Management Committee, Children's Hospital Los  
Angeles 2002-current

Committee on Clinical Investigations (CCI), Children's Hospital Los Angeles,  
2004- 2013

Anesthesiology Performance Improvement Committee, Children's Hospital Los  
Angeles, 2004-current

Anesthesiology Critical Care Medicine Research Oversight Committee,  
Children's Hospital Los Angeles, 2005-current

Disaster Preparedness Committee, Children's Hospital Los Angeles,  
2008-current

Anesthesiology Fellowship Oversight Committee, Children's Hospital Los  
Angeles, 2009-current

Critical Care Medicine Faculty Evaluation Committee, Children's Hospital Los  
Angeles, 2010-current

PI Financial Advisory Committee, Saban Research Institute, 2010-2011

Emergency Preparedness Committee, Children's Hospital Los Angeles,  
2010-current

Clinical Research Scientific Advisory Committee (CRSAC), Clinical  
Translational Science Institute (CTSI), Children's Hospital Los Angeles,

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2011-current

USC Integrated Health, Ad-hoc Committee on the development of an Integrated Health Institute for the USC (UPC & HSC) and CHLA campuses, 2011 – current

Pediatric Research Network (PRN) for Pain, a national pediatric research network for the study of pediatric pain, 2011 – current

USC Task Force on Interdisciplinary Communities  
(Nominated/Appointed jointly by the Academic Senate and the Provost with oversight provided by the Academic Senate, 2017 – current

CHLA Tele-Health and Tele-Behavioral Health Virtual Care Advisory Committee, November 2018 – current

CHLA Executive Research Enterprise Strategic Planning Committee in collaboration with the Strategy team and the Chief Scientific Officer, November 2018 – current

CHLA Executive Community Impact Steering Committee in collaboration with the Strategy team and the Senior Vice President and Chief Strategy Officer, February 2019 – current

CHLA Co-Chair (Debra Braidic) Research Strategic Committee (Research Culture Change 2.1) in collaboration with the Strategy team and the Chief Scientific Officer, June 2019 – current

**Thesis/Dissertation Advisor/Reviewer**

1. Shay Beider, MPH (9/1/04 – 6/15/06)  
University of California, Los Angeles. "Massage evaluation for." pediatric rehabilitation patients
2. Daniel Saland, PsyD (9/1/04 – 6/19/07)  
Phillips Graduate Institute, Encino, California. "Adolescent boys with cancer: Impact of gender role conflict and psychosocial adjustment."
3. Alexis Kant, MA (9/1/06 – 8/31/11)  
Alliant University, Alhambra, California.  
Masters Thesis: "Spiritual-based coping resources and social functioning in children and adolescents with chronic pain."  
Doctoral Dissertation: "Heart Rate Variability Biofeedback Therapy for Children and Adolescents with Chronic Pain."
4. Neda Safvati, PsyD (1/1/09-5/3/11)  
Alliant University, Alhambra, California. "The Need for the Development of a Website for Parents of Children and Adolescents with Chronic Pain: A Grant Proposal"

5. Alison Costa, PsyD (10/1/12-6/6/15)  
Alliant University, Alhambra, California. "Dysfunctional eating habits in children and adolescents with sickle cell disease: The development and validation of a screener."
6. Natalia David, PsyD (4/1/13-6/6/17)  
Alliant University, Alhambra, California. "Dysfunctional eating habits in children and neurocognitive outcomes in adolescents with sickle cell disease."

### **NIH Study Section**

- Centers of Excellence for Research on CAM (CERC) for Pain (P01)  
National Center for Complementary and Alternative Medicine  
(NCCAM / NIH) 2010
- Neurophysiological and Pain Management with CAM Treatments (R01)  
Exceptional, Unconventional Research Enabling Knowledge  
Acceleration (EUREKA), National Center for Complementary and  
Alternative Medicine (NCCAM / NIH) 2011
- Psychosocial Risks and Disease Prevention, ZRG1 RPHB-W 02 M, National  
Institutes of Health (NIH) 2016
- Special Emphasis Panel ZRG1 RPHB-W 02, Interventions to Prevent and Treat  
Addictions Study Section. Risk, Prevention and Health Behavior,  
Psychosocial Risks and Disease Prevention (NIH) 2017
- ZAT1 AJT (05), Exploratory Clinical Trials of Mind and Body Interventions.  
National Center for Complementary & Integrative Health (NCCIH)  
National Institutes of Health (NIH) 2017
- RFADA18-012 and 013, Development of a Device to Objectively Measure Pain."  
National Institute on Drug Abuse (NIDA) SBIR/ STTR (NIH) 2018.
- National Center for Complementary and Alternative Medicine  
(NCCAM / NIH) 2018
- National Center for Complementary & Integrative Health (NCCIH)  
(NCCIH/NIH) Training and Education Review Panels 2019

National Center for Complementary & Integrative Health (NCCIH)  
(NCCIH/NIH) Training and Education Review Panels 2020

**CHLA TSRI Study Section**

The Saban Research Institute's Intramural Awards. Children's Hospital Los Angeles, April 29, 2019

**Journal Peer-Reviewer**

Journal of Pediatric Psychology (2006-current)

The Clinical Journal of Pain (2006-current)

Journal of Developmental & Behavioral Pediatrics (2006-current)

Archives of Pediatrics & Adolescent Medicine (2006-current)

Journal of African American Studies (2008-current)

The Journal of Pain (2008-current)

CNS Spectrums (2009-current)

Evidence-based Complementary and Alternative Medicine  
(eCAM) (2000- current)

Journal of Pediatric Nursing (2008-current)

Pediatric Hematology & Oncology (2008-current)

Expert Review of Neurotherapeutics (2008-current)

The Journal of Trauma, Injury, Infection and Critical Care (2008-current)

American Journal of Medical Genetics: Neuropsychiatric Genetics  
(2008-current)

Journal of Critical Care (2008-current)

Health Outcomes Research in Medicine (2008-current)

Child: Care, Health, & Development (2008-current)

The Journal of Clinical Psychology in Medical Settings (2008-current)

Child Neuropsychology (2008-current)

Acta Paediatrica (2008-current)



## Community Service

Educational Volunteer, Kamp Kilpatrick, Juvenile Detention Camp, 1985-1986

Child Care Provider, ML Webb Children's Shelter, 1988-1989

Mental Health Worker, Pine Grove Mental Health Hospital, 1989- 1989

Emergency Service Counselor, Didi Hirsch Community Mental Health Center, 1991- 1991

Intake Counselor, San Fernando Valley Child Guidance Clinic, 1991- 1991

## Other

### Symposia

Gold JI, Thomas D (co-chairs). The 11<sup>th</sup> annual CyberTherapy Conference, Gatineau, Canada, 2006. Invited presenters included: Drs. Brenda Wiederhold, Hunter Hoffman, and Belinda Lange.

Gold JI. "How Children View Their Own Death: "When Every Moment Counts.", 1<sup>st</sup> Pediatric Pain Symposium, American Academy of Pediatrics, Kaiser

Gold JI, Thomas D (co-chairs). "Pain Management and Virtual Reality." The 12<sup>th</sup> annual CyberTherapy Conference, 2007. Invited presenter: Dr. Robert Caudle.

Gold JI, Thomas D (co-chairs). Bridging Basic Pain Research, Conventional Pain Treatments and VR Pain Treatments. The 13<sup>th</sup> annual CyberTherapy Conference, 2008. Invited presenter: Dr. Linda Sorkin

Gold JI. "Management of Sickle Cell Pain" Day of Empowerment-Sickle Cell Family Symposium; Children's Hospital Los Angeles, 2008.

Gold JI. "Pediatric Pain Management: From Virtual Reality to Health Outcomes in Children with Chronic Pain." The University of Southern California's 3<sup>rd</sup> Annual Pediatric Pain Management Symposium, 2012.

<http://www.keckhospitalofusc.org/connect/2012/08/27/3rd-annual-pain-management-symposium/>

Gold JI. "Pediatric Pain Management: From Virtual Reality to Health Outcomes in Children with Chronic Pain.", The University of Southern California's 4<sup>th</sup> Annual Pediatric Pain Management Symposium, 2013.

Gold JI. "Behavioral Interventions for Sickle Cell Pain Management." Care to Cure: Future and Current Concepts in Sickle Cell Disease. The 2<sup>nd</sup> Annual West Coast Sickle Cell Nurse Conference, Children's Hospital Los Angeles, 2013. Panel: Thomas Coates, MD and Lonnie Zeltzer, MD.

Gold JI. "Child Mental Health Post-Disaster," Children's Hospital, Department of Pediatric Surgery, 2014 Injury Prevention Symposium, 2014.

Gold JI. "Alternative Medicine Therapies in Pain Management." Keck Medicine of the University of Southern California's 5<sup>th</sup> Annual Pain Management Symposium, 2014.

Gold JI, Holloway R. "Pediatric Pain." Keck Medicine of the University of Southern California's 5<sup>th</sup> Annual Pain Management Symposium, 2014.

### Sessions Chaired

Gold JI. (Facilitator). Pediatric Disaster Resource and Training Center: Workshop on Family Reunification, Los Angeles, CA, 2008. Specialization: Facilitating an expert panel in Pediatric Psychological Support.

Gold JI. (Facilitator). Pediatric Disaster Resource and Training Center: Pediatric Reunification Conference: Consensus Meeting, Los Angeles, CA, 2008. Specialization: Facilitating an expert panel in Pediatric Psychological Support.

Gold JI. (Moderator). "Trauma and Disaster Research Agenda" American Academy of Pediatrics and Children's Hospital Los Angeles National Pediatric Disaster and Emergency Services Summit, Los Angeles, CA, 2008.

Gold JI. (Moderator) Invited Symposium. Virtual Reality and Pain Management. The American Pain Society's 29th Annual Scientific Meeting, Baltimore, MD, 2010. Invited panelists: Drs. Sean Mackey, Lynnda Dahlquist, David Patterson, and Dave Thomas.

Gold JI. "The Chronic: A Model of Integrated Health for Adolescent Chronic Pain," CHLA Division of Adolescent Medicine Grand Rounds, (Los Angeles, CA), 2012. Co-Presenters: Kerri Marks, LCSW, Monika Kobylecka, Lac

Gold JI. (Moderator) Invited Symposium. "Virtual Reality and Pain Management." The American Pain Society's 31st Annual Scientific Meeting, Honolulu, HI, 2012. Invited panelists: Drs. Sean Mackey, Emily Law, David Patterson, and Dave Thomas.

Gold JI. Using Innovative E-Health and Technology to Deliver Best Practices in Pediatric Pain Management. "Use of virtual reality to decrease pain and distress." The 8<sup>th</sup> annual International Society for Research on Internet interventions (ISRII), Seattle, WA, April 7, 2016. Invited Panelists: Drs. Christine Chambers (moderator) and Jennifer Stinson.

Gold JI (Moderator) Invited Symposium. "Virtual Reality and Pain: A New Frontier or Smoke and Mirrors?" The Canadian Pain Society's 37<sup>th</sup> Annual Scientific Conference, Vancouver, Canada, May 27, 2016. Invited panelists: Drs. Bernie Garrett and Diane Gromala.



Gold JI (Invited Keynote Speaker). "Yes we CAM: Integrated Health Therapies in Pain Management." The 7<sup>th</sup> Annual USC Pain Symposium: From Evidence to Clinical Practice, Los Angeles, CA, August 18, 2016.

### Consultantships

Consultant, Epiphany Center for Mothers and Infants, San Francisco, CA.  
Provided program evaluation services, oversight, and management of health outcomes related to women and their infants born exposed to drugs, 1993-97

Consultant, Horizons Unlimited Adolescent Mental Health, San Francisco, CA.  
Provided program evaluation services, oversight, and management of health outcomes related to children/adolescents with psychiatric, homelessness, and substance abuse problems, 1993-97

Program Evaluator Associate, community-based mental health agencies, 1993-1997

Consultant, WestCoast Children's Clinic, Oakland, CA. Provide ad hoc consultation regarding health, psychiatric, and other behavioral outcomes associated with foster youth engaged in ongoing comprehensive/wrap around services, Oakland, CA, 1999-2012

Clinical and Community Consultant, community-based mental health agencies, Los Angeles, CAs 2000-current

Consultant, Children's Hospital & Research Center at Oakland, CA. Provide ad hoc consultation regarding biobehavioral and neurocognitive outcomes with children, adolescents, and adults with sickle cell disease, Oakland, CA, 2001-current

Psychology Consultant, Pediatric Psychology Program, USC University Center of Excellence in Developmental Disabilities, Children's Hospital Los Angeles, Los Angeles, CA 2002-current

Researcher, Community, Health Outcomes, and Intervention Research (CHOIR) Program within the Saban Research Institute at Children's Hospital Los Angeles, Los Angeles, CA, 2003-current

## F. Research Activities:

### Major Areas of Research Interest:

1. Investigating the role Virtual Reality (VR) for procedural distress (i.e., pain and anxiety) and chronic medical conditions for children and adolescents.
2. Examining the feasibility and efficacy of integrative medicine (i.e., acupuncture, massage, biofeedback) in the management of chronic pain.
3. Biopsychosocial. Neurodevelopmental. Neurobehavioral investigations of acute and chronic pain, chronic illness and posttraumatic stress disorder (PTSD) in medically ill children and adolescents.
4. Healthcare Provider Stress, Compassion Fatigue, and Burnout: Examining Digital Therapeutics for mindfulness and stress reduction.

## Research Grants

### Active

1. Title: "Enhancing Capacity to Prevent and Treat Opioid Use Disorders through Expanded Community Partnerships and Tele-Mental Health Strategies within an Urban, Underserved Population."  
 \$1,350,000  
 Grant Number: Graduate Psychology Education (GPE) Program HRSA-19-002  
 Role: Co-Investigator  
 Year: 2019-2022  
 10% Effort  
Description: Children's Hospital Los Angeles (CHLA) Psychology Program faculty have developed this proposal to enhance its APA-accredited training of health psychology post-doctoral fellows to provide integrated, interdisciplinary, behavioral health and Opioid Use Disorder (OUD) and other Substance Use Disorder (SUD) services. **Goal I aims** to train doctoral psychologists to provide integrated interdisciplinary trauma-informed OUD/SUD screening, prevention, and treatment services focusing on underserved pediatric populations in high need, high demand areas. **Goal II aims** to enhance doctoral psychologists' ability to use tele-behavioral health technology to provide trauma-informed interventions (including but not limited to quality behavioral health and substance use services) in high need and high demand areas to increase access and reduce barriers to care. **Goal III focuses** on sustainability efforts by enhancing the ability of clinical faculty, field supervisors, and interdisciplinary staff to provide integrated trauma-informed OUD/SUD prevention and treatment and supervision and to develop and implement a sustainability plan.
2. Title: "VR for Stress and Pain Management"  
 Mr. and Mrs. Paul Bennett Foundation  
 Year 2019-2021 (60k, 45k) \$105,000  
Description: To deliver direct clinical service line for stress and pain management in children undergoing routine painful medical procedures. VR will be delivered and evaluated in a variety of clinical areas including but not limited to phlebotomy, radiology, infusion center, emergency department, pre-surgical operating area to assist in the management of stress and pain associated with painful medical procedures (e.g., IV start, PICC lines) and the stress associated with surgery.
3. Title: "Virtual Reality in Pediatrics"

Cancer Free Generation and the Board of Tower Cancer Research Foundation  
Year 2019-2020 \$30,000

Description: With the recent interest in VR and resources being put into hardware and software, the time to evaluate, study, and clinically apply VR is now. VR will be studied in acute procedural medical situations, but increased attention toward chronic management of pain, anxiety, depression, and stress associated with a variety of chronic medical health conditions. In the ideal VR world, a VRpharmacy would have evidence to support specific VR applications toward certain health conditions, similar to medication interventions. With an increased focus on non-medication interventions (and non-pharmacological interventions partnered with medications) and consideration of the entire “whole” child, biological, psychological, and social aspects, the more likely we are to effect change, wellness, and improve overall health outcomes in children and their families

4. Title: “Medical Marijuana, Emerging Adults & Community: Connecting Health & Policy”

\$3,952,767

Grant Number, Agency: NIH/NIDA (RO1) (PI: Stephen Lankenau)

Role: Consultant

Year: 2012-2022

5% Effort

Description: No studies have examined the impact of medical marijuana policies on patterns of drug use or psychological and physical health among young adults or examined the impact of medical marijuana dispensaries on young adults and their local communities. The overall objective of this application is to determine the impact of medical marijuana on young adult’s physical and psychological health. The central hypothesis guiding this study is that young adult MMP evidence different histories, behaviors, and trajectories than young adults who are recreational or non-medical marijuana users. Findings will inform medical marijuana policy at the local, state, and national levels so that young adults either with or without recommendations for medical marijuana will lead healthy and productive lives.

5. Title: Pain in child health (PICH), an innovative, international, transdisciplinary research training consortium”

\$1,950,000

Grant Number, Agency: Canadian Institutes of Health Research, Strategic Training Initiative in Health Research (STIHR) Stevens, B.J., Chambers, C.T., Craig, K.D., Finley, G.A., Grunau, R.E., Johnston, C., Pillai Riddell, R.R., Stinson, J., & von Baeyer, C.L.

Role: Collaborator

Year: 2009-2019

2% Effort

Description: Pain in child health, an innovative, international, transdisciplinary research training consortium Phase II.

## **Completed**

1. Title: The California Endowment (TCE) (April Fernando, WestCoast Children’s Center)

\$900,000

Grant Number, Agency: Foster Youth Development Program (FYDP) File number-20117888

Role: Director of Program Evaluation, Consultant

Year: 2002-2007

20% Effort

Description: This was a wrap around clinical service program demonstration for foster youth at the West Coast Children's Clinic, El Cerrito, California

2. Title: Touch Therapy for Hospitalized Children

\$880,000

Grant Number, Agency: First 5 Los Angeles (Shawnee Isaac Smith, Heart Touch)

Role: Consultant

Year: 2003-2007

20% Effort

Description: This was a community initiated grant by Heart Touch for investigating the utility of compassionate touch with hospitalized children.

3. Title "Pediatric Disaster Resource and Training Center"

\$5,000,000

Grant Number, Agency: U.S. Department of Health and Human Services (PI: Jeffrey S. Upperman) (10/1/07-3/31/09) (Grant #1HFPEP070014-01-00)

Role: Consultant, Pediatric Psychological Support

Year: 2007-2009

10% Effort

Description: With the support of the U.S. DHHS, Children's Hospital Los Angeles (CHLA) has initiated the Pediatric Disaster Preparedness Project. CHLA in collaboration with the Los Angeles Emergency Medical Services Agency has established the Pediatric Disaster Resource and Training Center (PDRTC). The central mission is to expand pediatric resources and expertise to a network of geographically dispersed health-care facilities; develop and deploy state-of-the-science pediatric disaster training to local providers.

4. Title: "Using fMRI to Examine the Neurobiological Basis of Virtual Reality Pain Attenuation"

\$150,000

Grant Number, Agency: Saban Research Institute Clinical Research Academic Career Development Award (CRACDA)

Role: Principal Investigator

Year: 2007-2009 (Saban Research Institute - Intramural Funding)

40% Effort

Description: In an effort to enhance our understanding of how VR may attenuate pain perception, this study will employ functional Magnetic Resonance Imaging (fMRI) technology to explore how functional activity in the brain relates to observed attenuation effects during an experimental pain paradigm.

5. Title: "Supporting an Acupuncture Program with YSU and Children's Hospital Los Angeles"

\$10,000

Grant Number, Agency: Weingart Foundation Grant (PI: Lawrence Ryan, Yo San University)

Role: Co-Investigator

Year: 2009-2010

5% Effort

Description: A sustainability grant provided by the "Small Grants" Program at the Weingart Foundation to maintain an ongoing partnership between Children's Hospital Los Angeles and the Yo San University of Traditional Chinese Medicine for a Pediatric Acupuncture Program within the Pediatric Pain Management Clinic at Children's Hospital Los Angeles.

6. Title: "Supporting an Acupuncture Program with YSU and Children's Hospital Los Angeles"

\$10,000

Grant Number, Agency: Guenther Foundation Grant (PI: Lawrence Ryan, Yo San University)  
Role: Co- Investigator  
Year: 2010-2011  
5% Effort

Description: A sustainability grant provided by the Guenther Foundation Grant to maintain an ongoing partnership between Children's Hospital Los Angeles and the Yo San University of Traditional Chinese Medicine for a Pediatric Acupuncture Program within the Pediatric Pain Management Clinic at Children's Hospital Los Angeles.

7. Title: "Validating a child acute stress measure in English and Spanish" \$1,400,341  
Grant Number, Agency: NIH/NIMH (RO1) (PI: Nancy Kassam-Adams) (1R01MH076116-01A2)  
Role: Co-Investigator  
Year: 2007-2012  
8% Effort  
Description: Development of a validated brief child acute stress measure in English and Spanish addresses gaps in our ability to assess mental health consequences of trauma and violence for children, and advances the NIH objective of increasing mental health screening in primary health care. Public health implications include improving the effectiveness of screening trauma-exposed children, in health care and other community settings, to guide appropriate service provision. Validated Spanish-language measures are particularly needed for the growing number of Spanish-speaking children in the US.
8. Title: "Virtual Reality Analgesia: Using fMRI to explore the central mechanisms of VR's effect on experimentally induced pain in adolescents with fibromyalgia." \$9,500  
Grant Number, Agency: University of Southern California – Children's Hospital Los Angeles, Southern California- Clinical Translational Science Institute Los Angeles Basin (SC-CTSI LAB) Role: Principal Investigator  
Year: 2011-2011  
5% Effort  
Description: The proposed study aims to clarify these intricate mechanisms by using fMRI to probe the ways in which VR and a STROOP (cognitive distraction task) may modulate the neurobiological experience of pain in adolescents with fibromyalgia. In achieving this goal, this study will not only enhance our understanding of the complex ways in which VR influences the body's endogenous pain perception system, but may also lead to the development of new and more effective clinical applications of VR for the management of acute and chronic pain.
9. Title: "Supporting an Acupuncture Program with YSU and Children's Hospital Los Angeles" \$10,000  
Grant Number, Agency: Green Foundation Grant (PI: Lawrence Ryan, Yo San University)  
Role: Co- Investigator  
Year: 2011-2012  
5% Effort  
Description: A sustainability grant provided by the Green Foundation Grant to maintain an ongoing partnership between Children's Hospital Los Angeles and the Yo San University of Traditional Chinese Medicine for a Pediatric Acupuncture Program within the Pediatric Pain Management Clinic at Children's Hospital Los Angeles.
10. Title: "Patient Sociodemographic and Geographic Factors as a Source of Variation in Outcomes in a Los Angeles Pediatric Intensive Care Unit (PICU)"

\$30,000

Grant Number, Agency: University of Southern California–Children’s Hospital Los Angeles, Southern California- Clinical Translational Science Institute Los Angeles Basin (SC-CTSI LAB) Pilot Award (PI: David Epstein)

Role: Mentor

Year: 2011-2012

2% Effort

University of Southern California–Children’s Hospital Los Angeles, Southern California- Clinical Translational Science Institute Los Angeles Basin (SC-CTSI LAB) Pilot Award

Description: The proposed study uses state-of-the-art GIS and the most advanced PICU database in the nation to determine the socioeconomic and local geographical barriers to PICU access and subsequent PICU outcomes: (1) functional outcome will be measured by Pediatric Overall Performance Category (POPC) and Pediatric Cerebral Performance Category (PCPC) scores at admission and discharge, (2) length of stay, and (3) mortality in the PICU, after adjusting for patient race/ethnicity, age, diagnosis, and insurance type.

11. Title: “Virtual Reality Analgesia: Using fMRI to explore the central mechanisms of VR’s effect on experimentally induced pain in healthy adolescents.”

\$315,000

Grant Number, Agency: NIH/NIDA (R21) (1R21DA025103-01), Cutting-Edge Basic Research Awards (CEBRA)

Role: Principal Investigator

Year: 2009-2012

15% Effort

Description: The proposed study aims to clarify these intricate mechanisms by using fMRI to probe the ways in which VR may modulate the neurobiological experience of pain in healthy adolescents. In achieving this goal, this study will not only enhance our understanding of the complex ways in which VR influences the body’s endogenous pain perception system, but may also lead to the development of new and more effective clinical applications of VR for the management of acute and chronic pain.

12. Title: “Supporting an Acupuncture Program with YSU and Children’s Hospital Los Angeles”

\$10,000

Grant Number, Agency: Weingart Foundation Grant, PI: Lawrence Ryan, Yo San University)

Role: Co-Investigator

Year: 2011-2012

5% Effort

Description: A sustainability grant provided by the “Small Grants” Program at the Weingart Foundation to maintain an ongoing partnership between Children’s Hospital Los Angeles and the Yo San University of Traditional Chinese Medicine for a Pediatric Acupuncture Program within the Pediatric Pain Management Clinic at Children’s Hospital Los Angeles.

13. Title: “Stress and Pain Response in Children and their Parents following Admission to the Pediatric Intensive Care Unit”

Grant Number, Agency: Children’s Hospital Los Angeles, Southern California- Clinical Translational Science Institute Los Angeles Basin (SC-CTSI LAB) NIH NCRR CTSI GRANT 1UL1RR031986 CTSI at Children’s Hospital Los Angeles (PI: Lara P. Nelson)

Role: Mentor

Year: 2012-2013

2% Effort

Description: A prospective, longitudinal, multi-informant observational study of the stress response in children and their parents following admission to the PICU, including the physiologic/neuroendocrine mechanism and functional outcomes. Data include: physiologic admission data, child/parent cortisol levels at baseline, one- and three-month follow-up; child/parent self-report and semi-structured interviews on 20 children and their parents.

14. Title: "Neuropsychological dysfunction and neuroimaging abnormalities in neurologically intact adult patients with sickle cell disease. A neuropsychological and neuroimaging investigation of adult patients with sickle cell disease"

\$4,945,928

Grant Number, Agency: NIH/NHLBI – (PI: Elliott Vichinsky) Comprehensive Sickle Cell Centers (Supported by NIH-NHLBI U54HL070587: NHLBI Clinical Trials Consortium)

Role: Co-Investigator

Year: 2004-2013

15% Effort

Description: The primary objectives of this national collaborative trial are to determine the extent of neurocognitive impairment, the prevalence of neuroradiographic abnormalities, and their relationship in neurologically asymptomatic adult patients with SCD compared to national normative data and to findings in a matched control group.

15. Title: "Promoting Complementary and Alternative Medicine in a Hospitalized Setting"

\$200,000

Grant Number, Agency: LIATIS Foundation

Role: Director, Program Evaluation

Year: 2009-2014

Description: This grant is focused on increasing education, knowledge, and behavioral changes in healthcare providers toward a comprehensive understanding of integrative medicine. The purpose is to effect change in knowledge, perception, and expectations of integrative medicine practices in pediatrics. Ultimately, the hope is that healthcare providers will influence cultural changes in the practice and integration Eastern and Western medicine toward the treatment of children and adolescents with complex medical conditions. Presentations are based on evidenced based practices of non-traditional practices.

16. Title: "A 15 Week, Randomized, Double Blind, Placebo-Controlled Parallel Group Efficacy Study of Pregabalin in Adolescents (12-16 Years Old) with Fibromyalgia"

Grant Number, Agency: Pfizer Pharmaceutical (PI: Jeffrey I. Gold)

Based on accrual

Role: Principal Investigator

Year: 2010 – 2015

10% Effort

Description: The primary objectives of the proposed study are, 1) To evaluate the safety and efficacy of Pregabalin (75-450 mg/day) compared with placebo in an adolescent fibromyalgia population, 2) To evaluate the pharmacokinetics of pregabalin in an adolescent fibromyalgia population, 3) To collect data that will help characterize the adolescent fibromyalgia population and facilitate future clinical studies. This will include, but not be limited to, assessment of baseline clinical characteristics, proportion of patients meeting ACR diagnostic criteria, variability of efficacy measures, and placebo response.

17. Title: "A 6-Month, Open-Label, Safety Trial of Pregabalin in Adolescent Patients with Fibromyalgia".

Based on Accrual

Grant Number, Agency: Pfizer Pharmaceutical (PI: Jeffrey I. Gold)

Role: Principal Investigator

Year: 2010 – 2015

10% Effort

Description: The primary objective of the proposed study are, 1) To evaluate the safety of pregabalin at doses of 75-450 mg/day (BID) in patients who participated in the double-blind fibromyalgia Study A0081180 and who wish to receive open-label pregabalin therapy. 2) To evaluate the pharmacokinetics of pregabalin in an adolescent fibromyalgia population, and 3) To collect data that will help characterize the adolescent fibromyalgia population and facilitate future clinical studies.

18. Title: An Internet CBT Intervention for Pediatric Chronic Pain and Disability.

Grant Number, Agency: Grant 5R01HD062538 NIH/NICHHD (RO1)

(PI: Tonya Palermo)

\$855,039

Role: Site PI

Year: 2010- 2015

10% Effort

Description: This multi-center, randomized trial will examine the effectiveness of an internet cognitive-behavioral intervention for pediatric chronic pain and disability. Adolescents (age 11-16) with chronic pain and their parents will be enrolled in a 2 (arm) x 4 (time point) randomized control trial (RCT). The primary objective is to determine the efficacy of Web-MAP in reducing pain and improving function in youth with chronic pain via a randomized controlled trial. Secondly, the study will compare service use among treatment groups from pre-treatment to 12-month follow-up and examine individual factors that predict treatment outcomes in 600 (300 children/adolescents and their parents). This study will be conducted over a 5-year period. All participants will be enrolled in the study for a total of one year.

19. Title: "Stress Response in Children and their Parents after Hospitalization in the Pediatric Intensive Care Unit"

Grant Number, Agency: Southern California- Clinical Translational Science Institute Los Angeles Basin (SC-CTSI LAB), Center for Education, Training and Career Development (CETCD) KL2 Mentored Research Career Development Award (PI: Lara P. Nelson)

Role: Mentor

Year: 2012-2015

5% Effort

Description: This award is a career development award to promote development of the necessary skills for a clinical translational investigator. The award will support the PI while she fulfills pre-established mentoring, educational, and research benchmarks. The educational plan is focused on the acquisition of a Masters in Clinical and Biomedical Investigations with specific coursework on quantitative and qualitative methods. The proposed research project is a prospective, longitudinal, mixed-method, multi-informant observational study of acute stress, PTSD, and physiologic stress response in children and their parents following admission to the PICU.

20. Title: "Pediatric Medical Traumatic Stress from Retinoblastoma and its Treatment: A Family-Centered Psychobiological Approach"

\$40,000

Grant Number, Agency: Retinoblastoma International (RBI) (PI: Jeffrey I. Gold)

Role: Principal Investigator



Year: 2013- 2014

10% Effort

Description: To conduct prospective research on survivors and newly diagnosed children with retinoblastoma. Using a mixed-methods approach combining standardized quantitative outcomes and qualitative, semi-structured interviews to identify unique diagnosis, treatment, and outcomes associated with RB. To prospectively collect PsychoBiological data on all newly diagnosed children, their families and conduct annual follow-ups on the patients and their families. PsychoBiological data collection includes qualitative/quantitative interviews, telomere and neuroimaging, and family assessment. The Primary Aims of this project are: 1) to understand psychobiologic outcomes following the diagnosis and treatment of retinoblastoma and 2) to develop tools or models that help minimize the negative effects of the diagnosis and treatment of retinoblastoma on psychobiologic outcomes.

21. Title: "Massage Therapy in Pediatric Palliative Care"

\$5,000

Grant Number, Agency: Massage Therapy Foundation Community Service Grant

Role: Principal Investigator

Year: 2013- 2014

10% Effort

Description: The proposed community service project aims to extend the Heart Touch Program at CHLA to our palliative care program. We will examine the efficacy of massage therapy in palliative care patients through program evaluation. We will look at various health outcomes such as pain intensity, anxiety, and sleep disturbances.

22. Title: "A Double-Blind, Placebo-Controlled Evaluation of the Safety and Efficacy of Vilazodone in Adolescent Patients with Major Depressive Disorder"

Based on accrual

Grant Number, Agency: Forest Research Institute, Inc.

Role: Principal Investigator

Year: 2013- 2015

10% Effort

Description: The objective of this study is to evaluate the efficacy, safety, and tolerability of Vilazodone relative to placebo in adolescent outpatients (12-17 years) with MDD. In addition, the study is designed to obtain pharmacokinetic (PK) data to guide the dose selection for future Vilazodone pediatric studies.

23. Title: "A Comparative Effectiveness Trial of Acupuncture and Massage in Children and Adolescents with Chronic Pain"

\$30,000

Grant Number, Agency: University of Southern California–Children's Hospital Los Angeles, Southern California- Clinical Translational Science Institute Los Angeles Basin (SC-CTSI LAB) Pilot Award

Role: Co- Principal Investigator

Year: 2014-2015

5% Effort

Description: The proposed study will examine the short- and long-term effectiveness of complementary and alternative medicine in children with chronic pain by comparing four groups: 1) Massage therapy, 2) Acupuncture only, 3) Massage therapy plus acupuncture, and 4) no CAM treatment. Participants will be administered self-report measures of pain, anxiety, and quality of life at baseline, immediately following 6 weeks of treatment, and 1 month post-treatment.

24. Title: "Improving Pain and Anxiety in Children Undergoing Surgery"

\$2,000,000

Grant Number, Agency: NIH/NICHHD (RO1) (PI: Zeev Kain)

Role: Co- Principal Investigator

Year: 2011-2016

10% Effort

Description: The proposed multi-center, randomized trial will examine the effectiveness of Provider Tailored Intervention for Perioperative Stress (P-TIPS) at preventing high anxiety and improving the recovery process in children undergoing anesthesia and surgery at four California hospitals. The healthcare provider (HCP) will be randomized to either a P-TIPS Group, who will receive the newly developed intervention, or a Control Group who will continue to receive standard care. The aims of this study are to, 1) determine if P-TIPS is more effective than standard care for preventing high preoperative anxiety among children undergoing anesthesia and surgery, 2) Examine the impact of P-TIPS on surgical recovery parameters such as postoperative pain, recovery room stay, nausea and vomiting, emergence delirium and maladaptive behavioral changes, and 3) determine if the use of P-TIPS results in higher satisfaction and lower anxiety scores in the parents.

25. Title: "Virtual Reality for Managing Pain and Distress in Children undergoing Routine Medical Procedures."

\$78,000

Grant Number, Agency: AppliedVR (Industry)

Role: PI

Year: 2015-2017

20% Effort

Description: AppliedVR is sponsoring and CHLA has developed three (3) clinical studies to be performed in accordance with the Protocols entitled "Virtual Reality for Procedural Pain in the Pediatric Emergency Department", "Effectiveness of Virtual Reality for Pediatric Pain Distraction" and the Pre-procedural anxiety study which is to be conducted at CHLA under Dr. Jeffrey Gold's supervision.

26. Title: "Enabling Early Recognition of Pediatric Acute Respiratory Distress Syndrome (ARDS)"

Grant Number, Agency: (PI: Sarah Rubin) KL2TRR000131, National Institutes of Health (NIH)/ National Center for Research Resources (NCRR)/ National Center for Advancing Translational Sciences (NCATS)/USC Keck School of Medicine-Southern California Clinical Translational Science Institute (SC CTSI), Center for Education, Training and Career Development (CETCD) KL2 Mentored Research Career Development Award.

Role: Co- mentor

Year: 2014-2017

5% Effort

Description: This award is a career development award to promote development of the necessary skills for a clinical translational investigator. The award will support the PI while she fulfills established mentoring, educational, and research benchmarks. The educational plan is focused on furthering the awardees knowledge of applied informatics, predictive modeling and data driven translational research. The project proposes to identify novel risk factors for pediatric acute respiratory distress syndrome (ARDS), develop a predictive model for pediatric ARDS and evaluate the association between identified risk factors and clinical outcomes in children diagnosed with ARDS. The proposed approach of integrating applied

research methodologies to health informatics will be formative in the field of ARDS, and in the natural extension of these methodologies to other critical care diseases.

27. Title: "The Association between Delirium in Critically Ill Children and Long-term Cognitive Dysfunction"

\$50,000

Grant Number, Agency: Society of Critical Care Medicine, Vision Grant (PI: Lara Nelson)

Role: Co-Investigator

Year: 2016-2017

10% Effort

Description: The proposed study is a prospective, longitudinal, multi-informant observational study of the development of delirium in children admitted to a PICU and its association with cognitive dysfunction during and following their admission. The central hypothesis is children with prolonged delirium during their PICU admission will have more long-term dysfunction than those with no or less delirium.

28. Title: "Environmental Predictors of Stress in Children Undergoing Chemotherapy Infusions" University of Southern California Zumberge Individual Grant Awardee (PI: Leah I. Stein Duker)

Role: Mentor

Year: 2016-2017

Description: A prospective cohort study to evaluate the stress response exhibited by 60 children 4-12 years old and their caregivers during a single one-four hour outpatient chemotherapy infusion; the relationship between environmental factors and stress will also be examined. Data include physiological and behavioral measures of stress, perception of pain, and child and caregiver perception of environmental factors.

29. Title: "Environmental Factors and their Impact on Children Undergoing Chemotherapy Infusions"

Southern California Clinical Translational Science Institute Institutional Career Development Awardee (*this will change to KL2 Scholar if the CTSI gets refunded*). (PI: Leah I. Stein Duker)

Role: Mentor

Year: 2015-2018

Description: A qualitative examination of the environmental factors that help or hinder a positive or negative pediatric outpatient chemotherapy experience. Interview-based data will be collected via developmentally appropriate semi-structured interviews with children with cancer 4-12 years old currently in treatment (n=10), their parents (n=10), and healthcare providers (n=10) working in the Infusion Center.

30. Title: "Development of a Transdisciplinary USC Center for Integrative Health Research and Education"

\$150,000

Grant Number, Agency: USC Research Collaboration Fund Award

Role: Co Principle Investigator (MPI: Jeffrey I. Gold, Marc Weigensberg, Donna Spruijt-Metz & Agustin Garcia)

Year: 2012-2018

5% Effort

Description: A collaborative research community of USC faculty and students in the field of integrative medicine and to foster an "incubator" atmosphere for new ideas. The specific aims include, 1) to engage multidisciplinary faculty and students in strategic planning toward the goal of establishing a USC center for research, education, and clinical services in

integrative medicine, 2) to leverage USC's diverse expertise in integrative medicine in preparation for multi-school interdisciplinary, innovative applications to federal and other outside agencies for research and university-level education in the field of integrative medicine and, 3) to engage in ongoing collaborative academic activities in order to foster medical and professional school education and research in the field of integrative medicine. The achievement of these aims would lead to a fully funded center for integrative health research and education, and ultimately allow USC to become a national leader in the field of integrative medicine.

## G. Invited Lectures

### **International**

"The Relations between Acute and Posttraumatic Stress and Painful Medical Procedures in children hospitalized in the Pediatric Intensive Care Unit." The 12<sup>th</sup> International Symposium on Pediatric Pain, Basel, Switzerland, June 18, 2019.

"The Reality of Virtual Reality for Managing Acute and Chronic Pain." The 12<sup>th</sup> International Symposium on Pediatric Pain, Basel, Switzerland, June 19, 2019.

"Behavioral Health and Virtual Reality." The International Forum on Pediatric Pain, Nova Scotia, Canada, October 5, 2013.

"Virtual Reality – The Future of Medicine is here." Clinical Pediatrics, Family, and Emergency Medicine, Vancouver, Canada, September 21, 2014.

"Pediatric Psychology 101 – Tips and Tricks for Health Care Providers." Clinical Pediatrics, Family, and Emergency Medicine, Vancouver, Canada, September 21, 2014.

"Abstract Oral and E-Posters Presentations." Clinical Pediatrics, Family, and Emergency Medicine, Vancouver, Canada, September 21, 2014.

"Pain: What is it? How to measure it? What is its impact on QoL? How to manage." Mucopolysaccharidoses (MPS) and Adulthood Meeting, Dublin, Ireland, October 2-4, 2014.

"Pain: Assessment, Management, and Treatment of Chronic Pain and it's Impact on Quality of Life." BioMarin Global Meeting, Miami, Florida, May 4 – 7, 2015.

"Virtual Reality and Pain Management." 29<sup>th</sup> Annual North American Cystic Fibrosis Conference, Phoenix, Arizona, October 8, 2015.

"Beyond Medication: Integrative Health and the Use of Technology to Manage Pain." Manage Your Pain Workshop 29/30<sup>th</sup> January 2016, Salford Royal National Health Service (NHS) Foundation Trust, Salford, UK, January 29, 2016. (Professionals)

"Beyond Medication Part II: Integrative Health and the Use of Technology to Manage Pain." Manage Your Pain Workshop 29/30<sup>th</sup> January 2016, Salford Royal National Health Service (NHS) Foundation Trust, Salford, UK, January 30, 2016. (Patients)

"Pain and Quality of Life." BioMarin Mucopolysaccharidoses (MPS) Masterclass 2016, Dubai, UAE, May 31, 2016.

"Virtual Reality and Pain Management." The 1<sup>st</sup> annual VR Pain 2016 – Virtual Reality and Pain Reduction Summit at the 11th International Conference on Disability, Virtual Reality & Associated Technologies, Los Angeles, CA, USA, September 19, 2016.

"The use of Virtual Reality with Pediatrics Patients," Virtual Reality Has Now Come Online for Chronic Pain, The American Academy of Pain Medicine, Vancouver, BC, April 27, 2018.

Panelists: Ted Jones, Ph.D., Kim D. Bullock, M.D., and Jeffrey I. Gold, Ph.D.

"Impact of Impaired Hand Function and Pain on QOL and ADL," BioMarin Mucopolysaccharidoses (MPS) "MPS & The 5 Senses," Lisbon, Portugal, May 26, 2018.

"Integrative Health: Pairing pharma with non-pharmacological interventions," Sandoz Global Pain Management Advisory Board, Amsterdam, Netherlands, July 12-14, 2018.

### **National**

"Implementation of the N-PASS assessment tool in the neonatal intensive care unit (NICU) with post-operative patients." Presented at the Spring conference of the Child Health Corporation of America (CHCA), Scottsdale, AZ, 2002.

"Psychological Impact of Trauma." The Children's Hospital Los Angeles 4th annual Pediatric Trauma and Critical Care Conference, June 3, 2003.

"Pediatric Pain Assessment and Management." Huntington Memorial Hospital Medical Grand Rounds, October 8, 2003.

"Pain in children: What 'I got a boo-boo' really means." Society of Pediatric Nurses, October 28, 2004.

"The trauma behind the trauma: Posttraumatic stress disorder in children undergoing painful procedures." Children's Hospital Los Angeles, Pediatric Anesthesiology Foundation, 42<sup>nd</sup> Clinical Conference in Pediatric Anesthesiology, Anaheim, CA, February 1, 2004.

"Interventions for Managing Pain and Anxiety with Recurrent Medical Procedures." Presented at University of California, Los Angeles as part of the David Geffen School of Medicine, UCLA Pediatric Pain Program and the Fielding Graduate Institute, inaugural Continuing Medical Education, "Alleviating Pediatric Pain: A Developmental Approach to Assessment and Management," November 21, 2004.

"Alternative Pain Treatment Methods." Children's Hospital Los Angeles, Pediatric Anesthesiology Foundation, 44<sup>th</sup> Clinical Conference in Pediatric Anesthesiology, Anaheim, CA, February 5, 2006.

"Pain in Complex Medical Illnesses and End-of-Life with Children and Adolescents." Presented to Child Life Specialists at the University of La Verne, April 28, 2006.

"Pain, Acute and Posttraumatic Stress in Children Following Unintentional Physical Injury." The Children's Hospital Los Angeles 7th annual Pediatric Trauma and Critical Care Conference, June 8, 2006.

"Integrated Complementary Therapies for Pediatric Pain Management and Palliative Care." Inaugural Children's Hospital Los Angeles Practical Pediatric Pain Management and End of Life Palliative Care, October 28, 2006.

"Management of Pediatric Patients: Mental Health" Pediatric Disaster Training; Children's Hospital Los Angeles, CA, December 16, 2008.

"Chronic pain: Is it just a state of mind" USC University Center of Excellence in Developmental Disabilities (UCEDD) Grand Rounds, March 2, 2009.

"Posttraumatic Stress Disorder", The Children's Hospital Los Angeles 10<sup>th</sup> annual Pediatric Trauma and Critical Care Conference, June 11, 2009.

"Management of Pediatric Patients: Mental Health", Children's Hospital Los Angeles Pediatric Disaster Resource and Training Center, Pediatric Disaster Training Course; The California Endowment, CA, September 1, 2009.

- "Pediatric Pain Management: Integrative Medicine " The LIATIS Foundation Fund in Complementary Medicine in collaboration with Children's Hospital Los Angeles Healthcare Providers Interactive Workshop; The California Endowment, CA, October 30, 2009, November 30, 2009, January 6, 2010, April 30, 2010, July 23, 2010, December 10, 2010, March 21, 2011, October 10, 2011, April 2, 2012, June 21, 2012, August 27, 2012, November 26, 2012, April 9, 2013, May 28, 2013.
- "The Pediatric Pain Management Program" presented to all management teams at Children's Hospital Los Angeles; The Saban Research Institute, December 9, 2009.
- "Pediatric Acupuncture: What's the Point." Pediatric Grand Rounds at Children's Hospital Los Angeles; The Saban Research Institute, April 9, 2010.
- <http://msbstream01.usc.edu/MSBMediasite/Viewer/?peid=489ea0bb1aec4b66ac242dd23207338f>
- "Pediatric Acupuncture." Pediatric Grand Rounds at Los Angeles County + University of Southern California (LAC+USC) Medical Center, October 19, 2010.
- "Pediatric Disaster Preparedness and PTSD." Children's Hospital Los Angeles Pediatric Disaster Resource & Training Center (PDRTC), Pediatric Disaster Training, The California Endowment, November 3, 2010.
- "Chronic Pain: Theory, Practice, & Research." Children's Hospital Los Angeles, Grand Rounds at the Division of Adolescence Medicine, November 5, 2010.
- "Pain Management and Virtual Reality." Children's Hospital Los Angeles, Pediatric Anesthesiology Foundation, 49<sup>th</sup> Clinical Conference in Pediatric Anesthesiology, Anaheim, CA, February 12, 2011.
- "Pediatric Disaster Preparedness and PTSD." Children's Hospital Los Angeles Pediatric Disaster Resource & Training Center (PDRTC), Pediatric Disaster Training, The California Endowment, February 28, 2011.
- "Virtual Reality and Pain Management," CURRENT CONTROVERSIES IN MEDICINE: "I Haven't Got Time For The Pain...Is It Ever That Simple?" Staff Training in Extramural Programs ("STEP") Committee at the National Institutes of Health (NIH), March 22, 2011.
- "Psychosocial Research," Children's Hospital Los Angeles, Core Curriculum on Scholarship Skills, May 16, 2011.
- "Pediatric Assessment and Neurocognitive Outcomes associated with Concussion," 12<sup>th</sup> Annual Children's Hospital Los Angeles Pediatric Conference "Sports Injuries and Concussions," July 20, 2011.
- "Pain Management and Sickle Cell Disease," CHLA Hematology/Oncology HOPE Family Resource Day, September 30, 2011.
- "Pain Research: Clinical Indications of Virtual Reality," CHLA Division of Pediatrics, UCEDD Grand Rounds, March 28, 2012.
- "An Integrative Approach to Pediatric Wellness." USC Institute for Integrative Health Breakfast Seminar Series, Children's Hospital Los Angeles, Departments of Anesthesiology Critical Care Medicine & Pediatrics, February 6, 2013.
- "Pediatric Pain." CHLA Division of Pediatrics, USC University Center of Excellence in Developmental Disabilities, Grand Rounds, March 27, 2013.

- "A Comprehensive Healing Practice: When West Accepts East." Bridging East and West, Portland, OR, August 18-19, 2013.
- "An Integrative Approach to Pediatric Wellness." American College of Rheumatology/Association of Rheumatology Health Professionals annual meeting, October 29, 2013.
- "Overview of Motivational Interviewing: Utility in Working with Chronically Ill Children." CHLA Division of Pulmonary, January 21, 2014.
- "Behavioral Interventions for Sickle Cell Pain Management." The 3<sup>rd</sup> Annual West Coast Sickle Cell Nurse Conference, Children's Hospital Los Angeles, August 4, 2014.
- "Pediatric Integrative Medicine." Keck School of Medicine, University of Southern California, USC Medical Students sub-committee on Integrative Medicine, September 23, 2014.
- "Pain Management and Sickle Cell Disease: A BioPsychoSocial Approach to Care." Southern California Association of Pediatric Hematology/Oncology Nurses (SCAPHON), Newport, California, May 15, 2015.
- "Pain Management and Virtual Reality: It's Not Just a Game." Keck School of Medicine, University of Southern California, USC Medical Students, January 11, 2016.
- "Pain is No Game: The use of virtual reality for managing pain and distress." Women and Children's Health Symposium, Keck School of Medicine, University of Southern California, Los Angeles, California, February 6, 2016.
- "Mind versus Brain: A Biopsychosocial Approach to Adolescent Pain Management." Grand Rounds at Children's Hospital Los Angeles, Division of Adolescent Medicine, March 31, 2016.
- "Pediatric Pain Management and Virtual Reality." Digital Medicine at the University of Southern California, medical students, October 10, 2016.
- "Pain and Integrative Health: Considering the Whole Person." 3rd Annual David Stroud Adolescent and Young Adult Oncology Symposium, at the Aresty Conference Center, USC Health Science Campus, Saturday, April 1, 2017.
- "Pediatric Pain Management and Integrative Health." Children's Hospital Los Angeles, Grand Rounds, August 8, 2017.
- "Pediatric Pain Management: Integrative Health and Wellness." Keck School of Medicine, University of Southern California 8th Annual Pain Management Symposium From Evidence to Clinical Practice, August 9, 2017.
- "It Takes a Village: Multidisciplinary Perspectives on Pain Management." Keck School of Medicine, University of Southern California 8th Annual Pain Management Symposium From Evidence to Clinical Practice, August 9, 2017. Panelists: Jeffrey I. Gold, PhD, Tobi Fishel, PhD, & Rael Cahn, MD, PhD
- "Posttraumatic Stress Disorder: A Psychobiological Approach." Los Angeles County Dependency Court in Lancaster, October 4, 2017.
- "Virtual reality and Pain Management." Virtual reality and Healthcare Symposium 2018, Harvard Medical School March 6, 2018.



- “Serious Games: Helping Pediatric Patients with Virtual Reality,” Virtual Medicine: Best Practices in Therapeutic Virtual Reality, Cedars Sinai, Los Angeles, CA., March 29, 2018.
- “Motivational Interviewing: Utility of MI in Chronically Ill Children.” CHLA Division of Pulmonary, August 23, 2018.
- “Acute to Chronic: The d’Evolving Nature of Pain.” Grand Rounds at Children’s Hospital Los Angeles, Division of Adolescent Medicine, October 18, 2018.
- “Virtual Reality and Health Care.” Digital Medicine at the University of Southern California, medical students, Los Angeles, CA, November 12, 2018.
- “Virtual Reality and Health Care: VR for Pain Management.” Innovation Learning Network (ILN), Oakland, CA, February 20, 2019.
- “Virtual Reality & Health Care: Behavioral Health & Pain Management.” Virtual Reality and Healthcare Symposium, University of Arizona, Tucson, AZ, March 7, 2019.
- “Pediatric Digital Therapeutics versus Gaming for Behavioral Health and Pain: Demystifying the Risk of VR Dependency with Kids.” Virtual medicine, Best Practices in Medical Virtual Reality, Cedars-Sinai Medical Center, Los Angeles, CA, March 27, 2019.
- “Pediatric Applications of Therapeutic VR.” Virtual medicine, Best Practices in Medical Virtual Reality, Cedars-Sinai Medical Center, Los Angeles, CA, March 28, 2019.  
Moderator: Tom Caruso, MD, Kate Donovan, PhD, Jennifer Hoag, PhD, & Anne Marsh, MD.
- “Pediatric Virtual Reality.” Pediatric Anesthesiology and Pain Medicine Grand Rounds at Stanford University, Stanford Children’s Health / Lucile Packard Children’s Hospital – Stanford, Palo Alto, CA, September 16, 2019.
- “VR and Mental Health Then & Now: Reflections on a Decade of VR and Pain Research & Implementation in a Pediatric Hospital.” Keynote speaker at the National Mental Health Innovation Center, University of Colorado, Anschutz Medical Campus. Virtual Reality and Behavioral Healthcare Symposium: Communities, Research, and Technology Succeeding Together, Aurora, CO, October 6-7, 2019.
- “New guidance on managing MPS IVA and VI – From evidence to consensus.” American Society of Human Genetics (ASHG) 19<sup>th</sup> annual meeting in Houston, Texas, October 15-19, 2019.
- “Key recommendations to optimize long-term care in patients with MPS IVA and VI.” American Society of Human Genetics (ASHG) 19<sup>th</sup> annual meeting in Houston, Texas, October 15-19, 2019.
- “Virtual Reality, Pain, and Behavioral Health.” Digital Medicine at the University of Southern California, medical students, Los Angeles, CA, October 21, 2019.
- “Pediatric Pain Assessment and Management: A Biopsychosocial Approach.” Sixteenth Statewide Conference on Integrating Substance Use, Mental Health, and Primary Care Services: Enhancing Foundations for Change!, Hilton Universal City Hotel, California, October 23-24, 2019.
- “Pediatric Virtual Reality: Launching Clinical Trials in a Medical Setting.” Launch event for USC SMART-VR, USC Health Sciences Center, October 29, 2019.  
Panelists: Vangelis Lympouridis, PhD, Jeffrey I. Gold, PhD, Jessica Brillhart, Brandon Birkhead, MD, and Laura Garcia.
- “Virtual Reality for Pediatric Pain and Behavioral Health.” Pediatric Grand Rounds, Children’s Hospital Los Angeles, December 6, 2019.

“Doc McStuffins – Doctor for a Day: Pediatric VR.” NODE.Health Digital Medicine Conference!, Digital Medicine Conference (DMC), Grand Rounds - Spotlight on Pediatrics- Digital Health Innovations in Pediatrics and Family Medicine, Healthcare at the Nexus of Innovation, Evidence, and Transformation, Microsoft Conference Center, New York City, December 10, 2019.

## H. Bibliography

\* Publications with Trainees

### **Peer Reviewed**

1. **Gold JI**, Kant AJ\*, Kim S, & Rizzo A. Virtual anesthesia: The use of virtual reality for pain distraction during acute medical interventions. *Seminars in Anesthesia, Perioperative Medicine and Pain*, 2005; 24, 203-210.
2. **Gold JI**, Kim SH, Kant AJ\*, Joseph MH, & Rizzo A. Effectiveness of virtual reality for pediatric pain distraction during IV placement. *CyberPsychology & Behavior*, 2006; 9, 207-212.
3. Kemper KJ, Butler LD, Culbert T, Eisenberg D, Gardiner P, Gaylord S, Glick R, **Gold JI**, Guerrero MP, Harrigan R, Kreitzer MJ, Lee R, McLean TW, Olness K, Pan J, Pettignano R, Rickhi B, Rosen L, Sahler OJ, Sierpina V, Tsao JC, Vohra S, Weydert J, Zeltzer L, & Zempsky WT. Pediatric Guidelines. *EXPLORE: The Journal of Science and Healing*, 2006; 2, 386-387.
4. **Gold JI**, Townsend J, Jury D, Kant AJ\*, Gallardo C, & Joseph MH. Current trends in pediatric pain management: From preoperative to the postoperative bedside and beyond. *Seminars in Anesthesia, Perioperative Medicine and Pain*, 2006; 25, 159-171.
5. Scott G, & **Gold JI**. Emergence Delirium: A Reemerging Issue. *Seminars in Anesthesia, Perioperative Medicine and Pain*, 2006; 25, 100-104.
6. Taylor BJ, Robbins JM, **Gold JI**, Logsdon TR, Bird TM, & Anand KJS. Assessing Postoperative Pain in Neonates: A multicenter observational study. *Pediatrics*, 2006; 118, e992-e1000.
7. **Gold JI**, Taft CT, Keehn MG, King DW, King LA, & Samper RE. PTSD Symptom Severity and Family Adjustment Among Female Vietnam Veterans. *Military Psychology*, 2007; 19, 71-81.
8. **Gold JI**, Kant AJ\*, Belmont KA\*, & Butler L. Practitioner Review: Clinical applications of pediatric hypnosis. *The Journal of Child Psychology and Psychiatry*, 2007, 48, 744-759.
9. **Gold JI**, Belmont KA\*, & Thomas D. The Neurobiology of Virtual Reality Pain Attenuation. *CyberPsychology & Behavior*, 2007; 10, 536-544. PMID: 17711362
10. Alderfer MA, Fiese B, **Gold JI**, Cutuli JJ, Holmbeck G, Goldbeck L, Chambers C, Abad M, & Spetter D, Patterson J. Evidence-Based Assessment in Pediatric

- Psychology: Family Measures. *Journal of Pediatric Psychology*, 2007; 33, 1046-1061.
11. Beider S\*, Mahrer NE\*, & **Gold JI**. Pediatric Massage Therapy: An Overview for Clinicians. *Pediatric Clinics of North America*, 2007, 54, 1025-1041.
  12. **Gold JI**, Nicolaou CD\*, Belmont KA\*, Katz A\*, Benaron D\*, & Yu W. Pediatric Acupuncture: A Review of Clinical Research. *Evidence-Based Complementary and Alternative Medicine (eCAM)*, 2008; 6, 429-439.
  13. **Gold JI**, Kant AJ\*, & Kim SH. The Impact of Traumatic Physical Injury: A Review of Pain, Acute and Posttraumatic Stress. *Journal Pediatric Nursing*, 2008; 23, 81-91.
  14. Higashimoto T, Baldwin EE, **Gold JI**, & Boles RG. Reflex Sympathetic Dystrophy: Complex Regional Pain Syndrome Type I in Children With Mitochondrial Disease and Maternal Inheritance. *Archives of Disease in Childhood*, 2008; 93, 390-397.
  15. **Gold JI**, Treadwell M, Weissman L, & Vichinsky E. An Expanded Transactional Stress and Coping Model for Siblings of Children with Sickle Cell Disease: Family Functioning and Sibling Coping, Self-Efficacy, and Perceived Social Support. *Child: Care, Health & Development*, 2008; 34, 491-502.
  16. **Gold JI**, Johnson CB, Treadwell MJ, Hans N, & Vichinsky EP. Detection and assessment of stroke in patients with sickle cell disease: Neuropsychological functioning and magnetic resonance imaging. *Pediatric Hematology and Oncology*, 2008; 25, 409-421.
  17. **Gold JI**, Mahrer NE\*, Treadwell MJ, Weissman L, & Vichinsky EP. Psychosocial Outcomes in Children with Sickle Cell Disease and their Healthy Siblings. *Journal of Behavioral Medicine*, 2008; 31, 506-516.
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  19. **Gold JI**, Yetwin AK\*, Mahrer NE\*, Carson MC, Griffin A\*, Palmer SN\*, & Joseph MH. Pediatric chronic pain and health-related quality of life. *Journal of Pediatric Nursing*, 2009; 24, 141-150.
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  21. **Gold JI**, Mahrer NE\*, Ye J, & Palermo TM. Pain, fatigue and health-related quality of life in children and adolescents with chronic pain. *Clinical Journal of Pain*, 2009; 25, 407-412.
  22. **Gold JI**, Montaña Z\*, Shields S, Mahrer NE\*, Vibhakar V, Ybarra T, Yee N, Upperman J, Blake N, Stevenson K, & Nager, AL. Pediatric Disaster Preparedness in the Medical Setting: Integrating Mental Health. *American Journal of Disaster Medicine*, 2009; 4, 137-146.

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26. Nager AL, Mahrer NE\*, & **Gold JI**. State Trait Anxiety in the Emergency Department: An analysis of anticipatory and life stressors. *Pediatric Emergency Care*, 2010; 26, 897-901.
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28. Li A\*, Montaña Z\*, Chen VJ, & **Gold JI**. Virtual Reality and Pain Management: Current Trends and Future Directions. *Pain Management*, 2011; 1, 147-157.
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31. Nager AL, Nager SM, Lalani PL, & **Gold JI**. Holocaust student tour: The impact on spirituality and health. *Israel Journal of Psychiatry & Related Sciences*, 2011; 48, 186-194.
32. Nelson LP\*, & **Gold JI**. Medical Trauma: A review of pediatric trauma and the PICU. *Pediatric Critical Care Medicine*, 2012, 13, 338-347.
33. Mahrer NE\*, Montaña Z\*, & **Gold JI**. Relations between anxiety sensitivity, somatization, and health-related quality of life in children with chronic pain. *Journal of Pediatric Psychology*, 2012; 37, 808-816.
34. **Gold JI**, Douglas MM, Thomas ML, Elliott JE, Rao S, & Miaskowski C. The relationship between posttraumatic stress disorder, mood states, functional status, and quality of life in oncology outpatients. *Journal of Pain and Symptom Management*, 2012; 44, 520-531.

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67. Rule RR, Vichinsky E, Armstrong FD, Neumayr L, **Gold JI**, Muma A, Eggleston B, Lieff S, Lascola C, Barest G, Bhatia R, Smith JK, Cecil K, Ladner S, Babcock E, Braffman B, Zee CS, Truran D, Zhang Y, Kasten J, & Weiner MW: NHLBI Comprehensive sickle cell centers (CSCC) study of neuropsychological dysfunction and neuroimaging abnormalities in neurologically intact adult patients with sickle cell disease: Preliminary neuroimaging findings. Paper presented at the 35th Annual Convention 35th Anniversary of the National Sickle Cell Disease Program National Heart, Lung, and Blood Institute National Institutes of Health and the Sickle Cell Disease Association of America (SCDAA), Washington, DC, 2007.
68. Kant AJ, Mahrer N, Russell S, & **Gold JI**: Pediatric Chronic Pain, Coping, and Health-Related Quality of Life. Paper presented at the Child Health Psychology Conference, Miami, FL, 2008.
69. Vichinsky E, **Gold JI**, Neumayr L, Rule RR, Weiner MW, Muma A, Eggleston B, Lieff S, DeCastro L, McMahon L, Harrington T, Orringer E, Crosby L, Yassin Z, Rutherford C, Bessman B, Hussein A, Johnson C, & Armstrong FD: NHLBI Comprehensive sickle cell centers (CSCC) study of neuropsychological dysfunction and neuroimaging abnormalities in neurologically intact adult patients with sickle cell disease: Neuropsychological and neuroimaging findings in adults with sickle cell disease. Paper presented at the 49<sup>th</sup> Annual American Society of Hematology, Atlanta, GA, 2007.
70. Yuan HC, Sohn E, **Gold JI**, Abou-Ezzeddine T, Mahrer NE, Azoff J, Keens TG, & Davidson SL: The Effects of Positive Airway Pressure Therapy on Cognitive Function in Children with Obstructive Sleep Apnea Syndrome: Preliminary Findings. Paper presented at the 22<sup>nd</sup> annual Associated Professional Sleep Societies, June 7-12, 2008.
71. Claudius IA, Nager AL, Mahrer NE, Ginsburg D, & **Gold JI**: Occult Psychosocial Impairment in a Pediatric Emergency Department Population. Paper presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD, May 2-5, 2009.
72. Nager AL, Mahrer NE, & **Gold JI**: Anticipatory Stress and State Anxiety in Children Receiving Care in the Emergency Department. Paper presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD, May 2-5, 2009.
73. **Gold JI**, Montañó Z, Mahrer NE, & Nager AL, Claudius IA: Assessing Psychosocial Impairment in the Pediatric Emergency Department: Child/Caregiver Concordance. Paper presented at the 117<sup>th</sup> Annual Convention of the American Psychological Association, San Diego, CA, August 6-9, 2009.
74. Mahrer NE, Marks K, Montañó Z, & **Gold JI**: Cognitive Behavioral Group Therapy for Adolescents with Chronic Pain. Paper presented at the International Symposium on Pediatric Pain, Acapulco, Mexico, March 7-11, 2010.
75. **Gold JI**, Chen VJ, Katz E, & Nelson M: Using fMRI to examine the neurobiological basis of VR pain attenuation: Pilot data. Paper presented at the American Pain Society's 29th Annual Scientific Meeting, May 6, 2010 in Baltimore, MD.

76. Montañó Z, Safvati N, Li A, Claudius I, Nager AL, & **Gold JI**: Assessing Somatization and Psychosocial Impairment in the Pediatric Emergency Department. Paper presented at the 118th Annual Convention of the American Psychological Association, San Diego, CA, August 12, 2010.
77. Safvati N, Montañó Z, Li A, Claudius I, Nager AL, & **Gold JI**: Age, Gender, and Somatization as They Relate to Psychosocial Impairment. Paper presented at the 118th Annual Convention of the American Psychological Association, San Diego, CA, August 14, 2010.
78. Montañó Z, **Gold JI**, Muñoz C, Kosher K, Cuadra A, Armstrong FD, & Kassam-Adams N: Validating a Child Acute Stress Measure in Spanish and English. Paper presented at the 118th Annual Convention of the American Psychological Association, San Diego, CA, August 14, 2010.
79. Li A, Early SF, Mahrer NE, Klaristenfeld JL, & **Gold JI**: Traumatic Stress and Nurse Residents: Job Satisfaction, Fatigue, and Burnout. Paper presented at the American Psychological Association, San Diego, CA, August 14, 2010.
80. Cuadra A, Muñoz C, Montañó Z, Salazar E, Molina M, **Gold JI**, Armstrong FD, & Kassam-Adams N: Comparing Acute Stress Measure Responses in a Pediatric Bilingual Sample. Symposium presented at the 118th Annual Convention of the American Psychological Association, San Diego, CA, August 14, 2010.
81. Montañó Z, Safvati N, Claudius I, Nager AL, & **Gold JI**: Examining the Relationship between Somatization and Psychosocial Impairment in a Pediatric Emergency Department. Paper presented at the 11th International Congress of Behavioral Medicine, August 4, 2010
82. Li A, Early SF, Mahrer NE, Klaristenfeld J, & **Gold JI**: Group Cohesion and Organizational Commitment: Protective Factors for Nurse Residents? Paper presented at the 11th International Congress of Behavioral Medicine, August 5, 2010.
83. Kassam-Adams N, **Gold JI**, Kohser K, Montañó Z, Muñoz C, Cuadra A, Salazar E, Molina M, & Armstrong FD: Understanding acute stress in children: Validation of the ASC-Kids in English and Spanish. Symposium presented to the 26<sup>th</sup> annual meeting of the International Society for Traumatic Stress Studies, Montreal, Canada, November 3-6, 2010.
84. Li A, Early SF, Mahrer NE, Klaristenfeld J, & **Gold JI**: Group Cohesion and Organizational Commitment: Protective Factors for Nurse Residents. Paper presented at the The Saban Research Institute of Children's Hospital Los Angeles 15th Annual Poster Session, June 7, 2010.
85. Montañó Z, Safvati N, Li A, Claudius I, Nager AL, & **Gold JI**: Age, Gender, and Somatization as it relates to Psychosocial Impairment. Paper presented at the The Saban Research Institute of Children's Hospital Los Angeles 15th Annual Poster Session, June 7, 2010.

86. Li A, Early SF, Mahrer NE, Klaristenfeld JL, & **Gold JI**: The Effects of Stress on Nurse Residents. Paper presented at the The Saban Research Institute of Children's Hospital Los Angeles 15th Annual Poster Session, June 7, 2010.
87. Montañó Z, **Gold JI**, Muñoz C, Kosher K, Cuadra A, Armstrong FD, & Kassam-Adams N: Validating a Child Acute Stress Measure in Spanish and English. Paper presented at the The Saban Research Institute of Children's Hospital Los Angeles 15th Annual Poster Session, June 7, 2010.
88. **Gold JI**, Li A, Silverman MF, Deng W, & Horn B: Acupuncture for Adolescents with Chronic Pain: Pain and Health-Related Quality of Life. Paper presented at The Society for Developmental and Behavioral Pediatrics 28th annual meeting, Boston, MA, September 12, 2010.
89. Vichinsky EP, Neumayr LD, **Gold JI**, Weiner MW, Kasten J, Truran D, Snyder C, Kesler K, Hussein A, Harington T, McMahon L, Gordeuk V, Kutlar A, Orringer EP, DeCastro LM, Field J, Swerdlow P, Bessman JD, Snyder R, Strouse J, & Armstrong FD: NHLBI Comprehensive sickle cell centers (CSCC) study of neuropsychological dysfunction and neuroimaging abnormalities in neurologically intact adult patients with sickle cell disease: Neuropsychological and neuroimaging findings in adults with sickle cell disease. "The Safety and Efficacy of a Randomized Trial of Transfusion vs. Standard Care in the Prevention of Sickle Cell-Related Complications in Adults: a Preliminary Report from the Phase II Neuropsychological Adult Sickle Cell Anemia Study Group. Paper presented at the 52<sup>nd</sup> Annual American Society of Hematology, Orlando, FL, December 5, 2010.
90. Madden K, Khemani R, & **Gold JI**: The Impact of Delirium on Mechanical Ventilation in the Pediatric Intensive Care Unit. Paper presented at The Society of Critical Care Medicine 40th Annual Congress, San Diego, CA, January 15, 2011.
91. Derrington S, Lew C, **Gold JI**, Stavroudis T, & Bart R: The Process and Purpose of Prognostication: Opinions and Experience of Pediatric Specialists. Paper presented at The Society of Critical Care Medicine 40th Annual Congress, San Diego, CA, January 15, 2011.
92. Madden K, Khemani R, & **Gold JI**: Characteristics of Mechanically Ventilated Children with Delirium in the PICU. Paper presented at the 6th World Congress on Pediatric Critical Care, Sydney, Australia, March 13, 2011.
93. Derrington S, Lew C, **Gold JI**, Stavroudis T, & Bart R: The Process and Purpose of Prognostication: Opinions and Experience of Pediatric Specialists. Paper presented at the 6th World Congress on Pediatric Critical Care, Sydney, Australia, March 14, 2011.
94. Derrington S, Lew C, **Gold JI**, Stavroudis T, & Bart R: The Process and Purpose of Prognostication: Opinions and Experience of Pediatric Specialists. Paper presented at the 2011 Pediatric Academic Societies' & Asian Society for Pediatric Research Joint Meeting, May 2, 2011, Denver, Colorado.

95. Derrington S, **Gold JI**, Stavroudis T, Bart R, & Lew C: Painter, Pilot or Prophet: an epistemological examination of prognostication. Accepted for paper presentation at the American Society for Bioethics and Humanities 13th Annual Meeting, Oct 13-16, 2011, Minneapolis, MN.
96. Montañó Z, Safvati N, Li A, Claudius I, Nager AL, & **Gold JI**: Assessing Somatization and Psychosocial Impairment in the Pediatric Emergency Department. Paper presented at The Saban Research Institute of Children's Hospital Los Angeles 16th Annual Poster Session, Los Angeles, CA, June 6, 2011.
97. Montañó Z, Safvati N, Claudius I, Nager AL, & **Gold JI**: Examining the Relationship Between Somatization and Psychosocial Problems in a Pediatric Emergency Department. Paper presented at The Saban Research Institute of Children's Hospital Los Angeles 16th Annual Poster Session, Los Angeles, CA, June 6, 2011.
98. **Gold JI**, Li A, Silverman M, Deng W, & Horn B: Acupuncture for Adolescents with Chronic Pain: Pain and Health Related Quality of Life. Paper presented at The Saban Research Institute of Children's Hospital Los Angeles 16th Annual Poster Session, Los Angeles, CA, June 6, 2011.
99. Mahrer NE, Marks K, Montañó Z, & **Gold JI**: Cognitive Behavioral Group Therapy for Adolescents with Chronic Pain. Paper presented at The Saban Research Institute of Children's Hospital Los Angeles 16th Annual Poster Session, Los Angeles, CA, June 6, 2011.
100. Chen VJ, **Gold JI**, Li A, Katz E, & Nelson M: "Game On": Virtual Reality and Neurobiology. Paper presented at The Saban Research Institute of Children's Hospital Los Angeles 16th Annual Poster Session, Los Angeles, CA, June 6, 2011.
101. Derrington S, Lew C, **Gold JI**, Stavroudis T, & Bart R: The Process and Purpose of Prognostication: Opinions and Experience of Pediatric Specialists. Paper presented at The Saban Research Institute of Children's Hospital Los Angeles 16th Annual Poster Session, Los Angeles, CA, June 6, 2011.
102. Derrington S, **Gold JI**, Stavroudis T, Bart R, & Lew C: Painter, Pilot, or Prophet: An epistemological examination of prognostication. Paper presented at The Saban Research Institute of Children's Hospital Los Angeles 16th Annual Poster Session, Los Angeles, CA, June 6, 2011.
103. Epstein D, Unger J, Ornelas B, Chang J, Markovitz B, Moromoisato D, Dodek P, Heyland D, & **Gold JI**: Measuring Decision-Making and Information Seeking Preferences of Parents of Critically Ill Children. 2011. Paper presented at the Society of Critical Care Medicine Annual Congress in Houston, TX, February 4-8, 2012.
104. Epstein D, Unger J, Ornelas B, Chang J, Markovitz B, Moromoisato D, Dodek P, Heyland D, & **Gold JI**: Comparison of Family Satisfaction between Caucasian and Latino Parents of Critically Ill Children. Paper presented at the Society of Critical Care Medicine Annual Congress in Houston, TX, February 4-8, 2012.

105. Epstein D, Unger J, Ornelas B, Chang J, Markovitz B, Moromoisato D, Dodek P, Heyland D, & **Gold JI**: Psychometric Evaluation of the Family Satisfaction in the Intensive Care Unit Survey (FS-ICU 24) in Parents of Critically Ill Children. Paper presented at the Society of Critical Care Medicine Annual Congress in Houston, TX, February 4-8, 2012.
106. Dozier J, **Gold JI**, & Bart R: An exploration of the experience of pediatric intensivists with consultation of a multidisciplinary palliative medicine team. Paper presented at the Society of Critical Care Medicine Annual Congress in Houston, TX, February 4-8, 2012.
107. Barber B, & **Gold JI**: Pediatric Chronic Pain: Active versus Passive Religious Coping. Paper presented at the American Pain Society's 31st Annual Scientific Meeting, May 17, 2012, Honolulu, HI.
108. Barber B, Marks K, Chang J, & **Gold JI**: Adolescent Pain, Emotional Functioning, and Quality of Life: Effects of Pain Management Group. Paper presented at the American Pain Society's 31st Annual Scientific Meeting, May 18, 2012, Honolulu, HI.
109. Chang J, Beas V, Kobylecka M, Horn B, & **Gold JI**: Acupuncture versus massage on pain and health-related quality of life in adolescents. Paper presented at the American Pain Society's 31st Annual Scientific Meeting, May 17, 2012, Honolulu, HI.
110. Beas V, Meyer R, Horn B, Kobylecka M, & **Gold JI**: The benefit of acupuncture in children with different types of pain. Paper presented at the American Pain Society's 31st Annual Scientific Meeting, May 17, 2012, Honolulu, HI.
111. Meyer RML, Barber B, Horn B, Kobylecka M, & **Gold JI**: Examining the Association Between Parent Illness-Related Stress and Child Pain across Acupuncture Treatments. Paper presented at the American Pain Society's 31st Annual Scientific Meeting, May 17, 2012, Honolulu, HI.
112. Yetwin AK, Marks K, Bell T, & **Gold JI**: Heart rate variability biofeedback therapy for children and adolescents with chronic pain. Paper presented at the American Pain Society's 31<sup>st</sup> Annual Scientific Meeting, May 18, 2012.
113. Chen VJ, Beas V, Engilman R, Nelson M, & **Gold JI**: Using fMRI to investigate the neurobiological basis of virtual reality attenuation of pain in adolescents. Paper presented at the American Pain Society's 31st Annual Scientific Meeting, May 18, 2012, Honolulu, HI.
114. John C, Kohl K, Horn B, Kobylecka M, & **Gold JI**: Feasibility, satisfaction, and efficacy of acupuncture in pediatric pain. Paper presented at the American Pain Society's 31st Annual Scientific Meeting, May 18, 2012, Honolulu, HI.
115. Kun SS, Keens T, Ward S, & **Gold JI**: Knowledge of Home Health Nurses on Pediatric Emergency Tracheostomy and Ventilator Care. Paper presented to the American Thoracic Society International Conference, May 18-23, 2012.

116. Kassam-Adams N, & **Gold JI**: "Child acute stress reactions: Does trauma history make a difference?" Paper presented to the V World Conference on Traumatic Stress, México City - México, May 23-26, 2012.
117. Meyer RML, **Gold JI**, & Kassam-Adams N: Examining the Psychometric Properties of the Child PTSD Symptom Scale Spanish Version. Paper presented at the 28th annual meeting of the International Society for Traumatic Stress Studies, Los Angeles, CA November 2, 2012.
118. Kohl K, Barber B, Kassam-Adams N, & **Gold JI**: Examining Depression and Anxiety Among Children Diagnosed with Acute Stress Disorder following Unintentional Injury. Paper presented at the 28th annual meeting of the International Society for Traumatic Stress Studies, Los Angeles, CA November 1, 2012.
119. Nager AL, Pham PK, Grajower DN, & **Gold JI**: Mental Health Screening Among Adolescents and Young Adults Seeking Medical Care in a Pediatric Emergency Department. Paper presented to the Gerry Schwartz and Heather Reisman 3<sup>rd</sup> International Conference on Pediatric Chronic Diseases, Disability and Human Development, Jerusalem, Israel, December 2-5, 2012.
120. Epstein D, Unger JB, Ornelas B, Chang JC, Markovitz BP, Moromisato DY, Dodek PM, Heyland DK, & **Gold JI**: Comparison of Family Satisfaction between Latino English and Spanish-Speaking Parents/Caregivers of Critically Ill Children. Paper presented at the 19<sup>th</sup> Pediatric Critical Care Colloquium, Los Angeles, California, September 6-9, 2012.
121. Epstein D, Unger JB, Ornelas B, Chang JC, Markovitz BP, Moromisato DY, Dodek PM, Heyland DK, & **Gold JI**: Comparing Decision-Making and Information Seeking Preferences of Latino English and Spanish-Speaking Parents/Caregivers of Critically Ill Children. Paper presented at the 19<sup>th</sup> Pediatric Critical Care Colloquium, Los Angeles, California, September 6-9, 2012.
122. Epstein D, Unger JB, Reibel M, Cockburn M, Agustin AL, Chang JC, Kale DC, & **Gold JI**: Neighborhood and Individual Characteristics Affect Pediatric ICU Outcome. Paper presented at the 19<sup>th</sup> Pediatric Critical Care Colloquium, Los Angeles, California, September 6-9, 2012.
123. Watcher SJ, Sepkowitz M, Radhakrishna S, Ramanathan A, Morrasso E, Chang J, & **Gold JI**: Health-Related Quality of Life in Adolescents with Rheumatic Disease. Paper presented at the 2012 American College of Rheumatology/Association of Rheumatology Health Professionals Annual Scientific Meeting Washington, D.C., November 9-14, 2012.
124. Nelson LP, Young CM, Beas V, Chang J, Newth C, & **Gold, JI**: Emotional, Behavioral, Family, and Health-Related Functioning of Children and their Parents Admitted to a Pediatric Intensive Care Unit. Paper presented at the Society of Critical Care Medicine's 42<sup>nd</sup> annual Critical Care Congress, San Juan, Puerto Rico, January 19-23, 2013.

125. Nelson LP, Young CM, Beas V, Chang J, Newth C, & **Gold, JI**: Physiological Symptoms and Acute Stress Response in Children and their Mothers 30 Days after Admission to the Pediatric Intensive Care Unit. Paper presented at the Society of Critical Care Medicine's 42<sup>nd</sup> annual Critical Care Congress, San Juan, Puerto Rico, January 19-23, 2013.
126. Meyer R, Klaristenfeld J, & **Gold JI**: Implications of Secondary Traumatic Stress and Compassion Satisfaction in New Nurses. Paper presented at the 8th Annual Versant Client Conference, San Antonio, TX, November 6-8, 2012.
127. Epstein D, Unger JB, Reibel M, Cockburn M, Agustin AL, Chang JC, Kale DC, & **Gold JI**: Neighborhood and Individual Characteristics Affect Pediatric ICU Outcome. Paper presented at the Southern California Clinical and Translational Science Institute: Translational Science Day at the University of Southern California, Los Angeles, California, November 7, 2012.
128. Meyer RML, & **Gold JI**: Somatization, Fatigue, and Quality of Life in Children and Adolescents with Chronic Pain. Paper presented at the 2013 Biennial Meeting of the Society for Research in Child Development, April 18-20, 2013, Seattle, Washington.
129. Nager AL, Pham PK, Grajower DN, & **Gold JI**: Mental Health Screening Among Patients Seeking Medical Care in a Pediatric Emergency Department. Paper presented at the Pediatric Academic Societies Annual Meeting, Washington, D.C., May 4 - May 7, 2013.
130. **Gold JI**, Pham PK, Grajower DN, & Nager AL: Behavioral Health Screening Among Patients Seeking Medical Care in a Pediatric Emergency Department. Paper presented at the 121st Annual Convention Honolulu, Hawai'i, July 31-August 4, 2013.
131. Gauthier T, Meyer RML, Greife D, & **Gold JI**: An On-the-job Mindfulness-based Intervention for Pediatric ICU Nurses: A Pilot Study. Paper accepted to the annual meeting of the International Society for Traumatic Stress Studies, Philadelphia, PA, November 7–November 9, 2013.
132. Nelson LP, Young CM, & **Gold JI**: Neuroendocrine and Psychological Stress Symptoms in Children and Parents after Admission to the Pediatric Intensive Care Unit. Translational Science 2013, Washington, DC, April 19, 2013.
133. Nelson LP, Kashani N, Young CM, & **Gold JI**: Relation of Opiates and Pain with Acute Stress Symptoms after Pediatric Critical Illness. The 15th Annual Undergraduate Symposium for Scholarly and Creative Work, University of Southern California, Los Angeles, CA, May 1, 2013.
134. Nelson LP, Young CM, & **Gold JI**: Neuroendocrine and Psychological Stress Symptoms of Children and their Parents after Admission to a Pediatric Intensive Care Unit. The Saban Research Institute's 18<sup>th</sup> Poster Session, Los Angeles, CA, June 3, 2013.



135. Nelson LP, Young CM, Beas V, Chang J, Newth CJ, & **Gold JI**: Emotional, Behavioral, Family, and Health-Related Functioning of Children and their Parents Admitted to a Pediatric Intensive Care Unit. The Saban Research Institute's 18<sup>th</sup> Poster Session, Los Angeles, CA, June 3, 2013.
136. Nelson LP, Kashani N, Young CM, & **Gold JI**: Relation of Opiates and Pain with Acute Stress Symptoms after Pediatric Critical Illness. The Saban Research Institute's 18<sup>th</sup> Poster Session, Los Angeles, CA, June 3, 2013.
137. Kohl K, Barber B, Kassam-Adams N, & **Gold JI**: Examining depression and anxiety among children diagnosed with acute stress disorder following unintentional injury. Poster presented at the 18th Annual Saban Research Institute Poster Session, Los Angeles, CA, June 3, 2013.
138. Meyer RML, & **Gold JI**: Somatization, Fatigue, and Quality of Life in Children and Adolescents with Chronic Pain. Poster presented at the 18th Annual Saban Research Institute Poster Session, Los Angeles, CA, June 3, 2013.
139. Meyer RML, **Gold JI**, & Kassam-Adams N: Psychometric Evaluation of the Child of PTSD Symptom Scale in Spanish and English. Poster presented at the 18th Annual Saban Research Institute Poster Session, Los Angeles, CA, June 3, 2013.
140. Meyer RML, Klaristeinfeld J, & **Gold JI**: Implications of Secondary Traumatic Stress and Compassion Satisfaction in New Nurses. Poster presented at the 18th Annual Saban Research Institute Poster Session, Los Angeles, CA, June 3, 2013.
141. Meyer, RML, & **Gold JI**: Examining the Interaction Between Levels of Pain and Coping Styles on Anxiety in Adolescents with Chronic Pain. Paper presented to the biennial meeting of the Society for Research on Adolescence, Austin, Texas, March, 2014.
142. Nelson LP, Young CM, Diaz V, & **Gold JI**: Posttraumatic Growth (PTG) in Children and their Parents in a Pediatric Intensive Care Unit. Paper presented to the Society of Critical Care Medicine's 43rd Critical Care Congress, San Francisco, California, January, 2014.
143. Nelson LP, Young CM, Diaz V, & **Gold JI**: Comparing Stress Symptoms between Children with Chronic or Acute Illness while in the PICU. Paper presented at the Society of Critical Care Medicine's 43rd Critical Care Congress, San Francisco, California, January, 2014.
144. Yang E, Schamber L, Meyer R, & **Gold JI**: Can Guided Mindfulness Meditation Decrease Stress and Improve Wellbeing for Medical Students? Paper presented at the 11th annual Innovations in Medical Education (IME) Conference, Los Angeles, CA, February 22, 2014.
145. David N, Dillon S, O'Callaghan E, & **Gold JI**: Neuropsychological functioning in children with sickle cell disease and pica: Three case reports. Paper presented at the Society of Pediatric Psychology Annual Conference (SPPAC), American

Psychological Association: Division 54, Philadelphia, PA, March 27, 2014.

146. O'Callaghan ET, Costa A, & **Gold JI**: Relationships between behavioral, emotional, and adaptive functioning and pain history in children with sickle cell disease and pica. Paper presented at the Society of Pediatric Psychology Annual Conference (SPPAC), American Psychological Association: Division 54, Philadelphia, PA, March 27, 2014.
147. Meyer RML, Amariglio N, & **Gold JI**: Psychometric Properties of the PTSD Checklist Civilian Version in a Sample of Patients with Cancer. Paper presented to the American Psychological Association Annual Convention, Washington, D.C., August 2014.
148. Meyer RML, Li A, Klaristeinfeld J, & **Gold JI**: Pediatric Novice Nurses: Compassion Fatigue as a Mediator Between Stress and Nurse Job Outcomes. Paper presented to the American Psychological Association Annual Convention, Washington, D.C., August 2014.
149. Beltran I, Meyer RML, & **Gold JI**: Factorial structure of the revised Children's Somatization Inventory (CSI-24) in a pediatric sample. Paper presented to the American Psychological Association Annual Convention, Washington, D.C., August 2014.
150. Meyer RML, Betran I, & **Gold JI**: Somatization and pain in patients in a pediatric emergency department. Paper presented to the 35<sup>th</sup> Canadian Pain Society Annual Scientific Meeting, Quebec City, Quebec, Canada, May 20-23, 2014.
151. Meyer RML, Fleischman K, & **Gold JI**: Coping in children and adolescents with primary and secondary pain disorders. Paper presented to the 35<sup>th</sup> Canadian Pain Society Annual Scientific Meeting, Quebec City, Quebec, Canada, May 20-23, 2014.
152. Amariglio N, Meyer RML, & **Gold JI**: The predictive role of pain in PTSD symptoms. Paper presented to the 35<sup>th</sup> Canadian Pain Society Annual Scientific Meeting, Quebec City, Quebec, Canada, May 20-23, 2014.
153. Meyer RML, Kobylecka M, & **Gold JI**: Acupuncture satisfaction in children and adolescents with chronic pain. Paper presented to the 35<sup>th</sup> Canadian Pain Society Annual Scientific Meeting, Quebec City, Quebec, Canada, May 20-23, 2014.
154. Meyer RML, & **Gold JI**: Examining the interaction between levels of pain and coping styles on anxiety in adolescents with chronic pain. Paper presented at the 15<sup>th</sup> Society for Research on Adolescence, Austin, TX, March 22, 2014.
155. Nager AL, Kobylecka M, Pham PK, Leighanne J, & **Gold JI**: Effects of Acupuncture on Pain and Inflammation in Pediatric Emergency Department Patients with Acute Appendicitis. Paper was presented at the 2014 International Research Congress on Integrative Medicine and Health in Miami Florida, USA, May 13 – 16, 2014.

156. Gauthier T, Meyer RML, Greife D, & **Gold JI**: An on-the-job mindfulness-based intervention for pediatric ICU nurses: A pilot study. Paper presented at the 2014 International Research Congress on Integrative Medicine and Health in Miami Florida, USA, May 13 – 16, 2014.
157. Meyer RML, & **Gold JI**: Massage Satisfaction in Children and Adolescents with Chronic Pain. Paper presented for a poster presentation at the 2014 International Research Congress on Integrative Medicine and Health in Miami Florida, USA, May 13 – 16, 2014.
158. Meyer RML, Amariglio N, & **Gold JI**: The Moderating Role of Pain in the Development of PTSD in Adult Patients with Medical Trauma. Paper presented at the 2014 International Society for Traumatic Stress Studies Annual Meeting in Miami Florida, USA, November 6-8, 2014.
159. Amariglio N, Meyer RML, & **Gold JI**: Does pain associated with medical trauma have a role in PTSD according to the DSM-V criteria? Paper presented at the 2014 International Society for Traumatic Stress Studies Annual Meeting in Miami Florida, USA, November 6-8, 2014.
160. Meyer, RML, & **Gold JI**: Compassion Satisfaction as a Protective Factor Against Secondary Traumatic Stress on Job Outcomes in Pediatric Nurses. Paper presented at the 2014 International Society for Traumatic Stress Studies Annual Meeting in Miami Florida, USA, November 6-8, 2014.
161. Park E, Meyer RML, & **Gold JI**: The Impact of Lifetime Stressful or Traumatic Events on the Development of Secondary Traumatic Stress in Novice Pediatric Nurses. Paper presented at the 2014 International Society for Traumatic Stress Studies Annual Meeting in Miami Florida, USA, November 6-8, 2014.
162. Nelson L, Delahanty D, Marsac M, & **Gold JI**: The bio-psycho-social approach: What's most important in understanding posttraumatic stress in children following medical trauma? Panel presented at the 2014 International Society for Traumatic Stress Studies Annual Meeting in Miami Florida, USA, November 6-8, 2014.
163. Nelson L, Kilmer R, Gil-Rivas V, & **Gold JI**: Posttraumatic Growth: An Ecological Developmental Approach to Pediatric Posttrauma Adaptation. Panel presented at the 2014 International Society for Traumatic Stress Studies Annual Meeting in Miami Florida, USA, November 6-8, 2014.
164. Yang E, Schamber L, Meyer R, & **Gold JI**: Can Guided Mindfulness Meditation Decrease Stress and Improve Wellbeing for Medical Students? Paper presented at the Jacquelyn Perry Research Day, USC Health Sciences Campus, Los Angeles, CA, April 17, 2014.
165. Yetwin AK, Marks K, Bell T, & **Gold JI**: Heart rate variability biofeedback therapy for children and adolescents with chronic pain. Paper presented at the Jacquelyn Perry Research Day, USC Health Sciences Campus, Los Angeles, CA, April 17, 2014.

166. Wetzel S, Nelson L P, Diaz V, Meyer R, & **Gold JI**: Acute Stress Disorder (ASD) and Posttraumatic Stress Disorder (PTSD) in Children and Parents after Admission to a Pediatric Intensive Care Unit (PICU). Paper presented at the 16th annual Undergraduate Symposium for Scholarly and Creative Work, at the University of Southern California, Los Angeles, CA, April 16, 2014.
167. David NS, O'Callaghan ET, & **Gold JI**: Neuropsychological functioning in children with sickle cell disease and pica: A comparative analysis of two case reports. Paper presented at the International Behavioral Neuroscience Society, Annual Conference, Las Vegas, NV June 10, 2014.
168. Fleischman, K, Meyer RML, & **Gold JI**: Somatization, Fatigue, and Quality of Life in Children and Adolescents with Chronic Pain. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
169. Meyer RML, & **Gold JI**: Massage Satisfaction in Children and Adolescents with Chronic Pain. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
170. Meyer RML, Beltran, & Gold JI, I: Somatization and pain in patients in a pediatric emergency department. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
171. Meyer RML, Fleischman K, & **Gold JI**: Coping in children and adolescents with primary and secondary pain disorders. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
172. Meyer RML, Kobylecka M, & **Gold JI**: Acupuncture Satisfaction in Children and Adolescents with Chronic Pain. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
173. Amariglio N, Meyer RML, & **Gold JI**: The predictive role of pain in PTSD symptoms. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
174. Meyer RML, & **Gold JI**: Examining the interaction between levels of pain and coping styles on anxiety in adolescents with chronic pain. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
175. Yang E, Schamber L, Meyer RML, & **Gold JI**: Can guided mindfulness meditation decrease stress and improve wellbeing for medical students? Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
176. Gauthier T, Meyer RML, Greife D, & **Gold JI**: An on-the-job mindfulness-based intervention for pediatric ICU nurses. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.

177. David N, Dillon S, O'Callaghan E, & **Gold JI**: Neuropsychological functioning in children with sickle cell disease and pica: Three case reports. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
178. Nelson L, Young C, Diaz V, & **Gold JI**: Posttraumatic Growth (PTG) in Children and their Parents in a Pediatric Intensive Care Unit (PICU). Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
179. O'Callaghan E, Costa A, & **Gold JI**: Relationship between behavioral, emotional, and adaptive functioning and pain history in children with sickle cell disease and pica. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
180. Yetwin A, Marks K, Bell T, & **Gold JI**: Heart rate variability biofeedback therapy for children and adolescents with chronic pain. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
181. Nelson L, Young C, Diaz V, & **Gold JI**: Comparing Stress Symptoms between Children with Chronic or Acute Illness while in the PICU. Presented at the 19th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, June 10, 2014.
182. Foulks MG, Herrington CS, Meyer RML, Starnes VA, Wells WJ, Kallin K, **Gold JI**, Mentzer JD: Prognosis for patients with heart failure after palliative surgery for single ventricle cardiac disease. Paper presented at the International Academy of Cardiology World Congress on Heart Disease, Annual Conference, Boston, MA July 26, 2014.
183. Schrager SM, Clark LF, Goldbach JT, & **Gold JI**: Raising the Bar in Community Science: What Psychologists Can Do for Pediatric Academic Medicine – and Vice Versa. A symposium has been presented at the inaugural International Convention of Psychological Science (ICPS), March 14, 2015, Amsterdam, The Netherlands.
184. Stein, L.I., Lane, C.J., Williams, M.E., Polido, J.C., Dawson, M.E., **Gold, J.I.**, & Cermak: S.A. Innovative environmental adaptations to reduce distress and perceived pain during dental cleanings in children with autism spectrum disorders. Paper presented at the Society of Pediatric Psychology Annual Conference, April 2015, San Diego, California.
185. Stein, L.I., Chaspari, T., Cermak, S.A., Narayanan, S., **Gold, J.I.**, Schell, A., & Dawson, M.E.: Preliminary validation of the Q-Sensor: An innovative measure of real world electrodermal activity. Paper presented at the Society of Pediatric Psychology Annual Conference, April 2015, San Diego, California.
186. Ely B, **Gold JI**, Wood C, & Evans S: Effectiveness of Integrative pain management interventions for children and adolescents and young adults: Moving Beyond

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187. Logan D, **Gold JI**, Sangster M, & Sethna N: From Mechanism to Management: Myth Busting in Pediatric Complex Regional Pain Syndrome. A symposium was presented at the 10th International Symposium on Pediatric Pain (ISPP), June 2, 2015, Seattle, Washington USA.
  188. Rubin S, Flynn A, Gil Y, **Gold JI**, Lee J, Newth CJ: Towards Data Driven Prevention of Pediatric Acute Respiratory Distress Syndrome (ARDS). Presented at the 20th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, CA, June 9, 2015.
  189. Nelson LP, Barton JD, Jaramillo N, **Gold JI**: Posttraumatic stress and growth after admission to a pediatric intensive care unit. Poster session presented at the Saban Research Institute's 20th Annual Poster Session, Los Angeles, CA, June 9, 2015.
  190. Cho ES, Lee MC, **Gold JI**, Meyer RML: Acupuncture and Massage for Pain Relief of Familial Mediterranean Fever in Pediatric Patients: A Clinical Case Report. Poster session presented at 20th Annual Poster Session of the Saban Research Institute at Children's Hospital Los Angeles, CA, June 9, 2015.
  191. Blotsky EL, Marks K, Holloway R, **Gold JI**: Children and Adolescents with Chronic Pain: Sleep, Adaptive Skills, Stress, and Quality of Life. Poster presented at the Mary Press Annual Poster Session at the University of Southern California,
  192. Nelson LP, Barton JD, Jaramillo N, **Gold JI**: Acute Stress Disorder and Posttraumatic Stress Disorder in Children and Parents after Admission to a Pediatric Intensive Care Unit (PICU). Paper was presented at the International Society for Traumatic Stress Studies 31st Annual Meeting, New Orleans, November 6, 2015.
  193. Stevenson R, Rosales A, Fortier M, Campos B, Golianu B, Zuk J., **Gold JI**, Sanders B, Kain Z: The Immigrant Health Paradox and Parents of Children Undergoing Surgery. Paper was presented at the American Society of Anesthesiologists Annual Meeting, San Diego, CA, October 2015.
  194. Tsui L, Robin A, Meyer R, **Gold JI**: The Effectiveness of Massage Therapy on Pain and Fatigue in Children with Chronic Pain. Paper was presented at the 17th Annual Convention of the Massage Therapy Association National Convention, Pittsburgh, PA, August 21, 2015.
  195. Cho ES, Lee MC, **Gold JI**, Meyer R: Acupuncture and Massage for Pain Relief of Familial Mediterranean Fever in Pediatric Patients: A Clinical Case Report. Paper was presented at the 17th Annual Convention of the Massage Therapy Association National Convention, Pittsburgh, PA, August 21, 2015.
  196. Jaramillo N, Meyer R, Conn L, **Gold JI**: Massage Therapy for the Reduction of Pain in Palliative Care Patients at a Children's Hospital. Paper presented at the 17th Annual Convention of the Massage Therapy Association National Convention,

Pittsburgh, PA, August 21, 2015.

197. Nelson LP, Jaramillo N, Barton JD, **Gold JI**: Latino Children's Posttraumatic Stress and Pain after Admission to a Pediatric Intensive Care Unit. Paper presented at the Society of Critical Care Medicine's 45th Critical Care Congress, Orlando, FL (2016, February).
198. Nelson L, Goodman K, Barton JD, **Gold JI**: Painful Procedures and the Development of Posttraumatic Stress in the Pediatric Intensive Care Unit. Paper presented at the 45th Critical Care Congress, Orlando, FL February 25-26, 2016.
199. Connors A, Jaramillo N, **Gold JI**, Meyer R: Effects of Acupuncture and Massage Therapy on Pain Intensity in Children and Adolescents with Chronic Pain: Pilot data from an ongoing Randomized Control Trial. Poster presented at the 10th International Forum on Pediatric Pain, White Point, Nova Scotia, October 2, 2015.
200. Mahrer NE, Yetwin AK, John C, **Gold JI**: How to Cope with Pediatric Chronic Pain: Does Pain Intensity Matter? Paper presented at the International Forum on Pediatric Pain, October 2, 2015.
201. Laloo C, Chambers CT, **Gold JI**: (2016, May). Use of Virtual Reality to Decrease Pain and Distress. In J. Gold (Chair), Innovative Applications of E-Health and Mobile Technology to Deliver Best Practices in Pediatric Pain Management Care. Workshop presented at the 2016 Canadian Pain Society Conference, Vancouver, BC.
202. Stinson J, Chambers CT, **Gold JI** (2016, April). Use of Virtual Reality to Decrease Pain and Distress. In C.T. Chambers (Chair), Using Innovative E-Health and Technology to Deliver Best Practices in Pediatric Pain Management. Workshop presented at the International Society for Research on Internet interventions (ISRII) Scientific Meeting, Seattle, WA.
203. Nelson LP, **Gold JI**, Jaramillo N, Barton JD. Acute Stress Disorder (ASD) and Posttraumatic Stress Disorder (PTSD) in Children and Parents after Admission to a Pediatric Intensive Care Unit. Paper presented at the International Society for Traumatic Stress Studies 31st Annual Meeting, New Orleans, Louisiana, November 2015.
204. Schragger SM, Goldbach JT, **Gold JI**: Raising the Bar in Community Science: How Psychologists Can Contribute to Interdisciplinary Research on Children, Youth, and Families. A symposium has been presented at the 31<sup>st</sup> International Congress of Psychology (ICP), August 29, 2016, Yokohama, Japan.
205. Mahrer NE, Engilman R, Cabrales A, Fisher S, Nguyen E, Lane A, Hannani M, **Gold JI**: Virtual Reality for Managing Pediatric Pain and Anxiety during Venipuncture. Paper presented to the Society of Pediatric Psychology Annual Conference, March 30 - April 1, 2017.
206. Gold JI, Meyer RML, Lachman SE, Fisher SM, Cabrales A, Hannani M: Stress and Coping: Evaluating the Effectiveness of Integrative Practices on the Development of

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207. Nelson LP, Lachman SE, **Gold JI**: The Association between Delirium and Acute Stress in Children Following Admission to a Pediatric Intensive Care Unit. Poster presented at the International Society for Traumatic Stress Studies 33rd Annual Meeting, November 9 - 11, 2017, Chicago, IL.
208. Nelson LP, Lachman SE, **Gold JI**: The Role of Opiate Administration on Posttraumatic Stress in Children after Pediatric Critical Illness. Poster presented at the International Society for Traumatic Stress Studies 33rd Annual Meeting, November 9 - 11, 2017, Chicago, IL.
209. Jones T, Bullock KD, **Gold JI**: Virtual Reality Has Now Come On Line for Chronic Pain. Symposium accepted to the 34<sup>th</sup> annual American Academy of Pain Medicine, April 26 – 29, 2018, Vancouver, B.C.
210. Huynh TM, Chand S, Molas-Torreblanca K, Maniscalco J, Zipkin R, **Gold JI**, Schrager SM. Yes, We CAM: Increasing Patient-Provider Communication About Complementary and Alternative Medicine Through Electronic Medical Record Prompts. Abstract [presented] at annual Pediatric Hospital Medicine Meeting, Atlanta, Georgia, July 19-22, 2018.
211. Nelson, LP, Lane A, SE, **Gold, JI**. Delirium and Cognitive Dysfunction following Pediatric Critical Illness. Poster accepted at the American Thoracic Society International Conference, Dallas, Texas, May 2019.
212. Laikin, AM, Lane, AS, SooHoo, MM, **Gold JI**. Virtual Reality As Distraction: Managing Pediatric Pain and Anxiety during Intravenous Placement. Poster presented at the Association for Psychological Science Annual Convention, Washington, D.C., May 2019.
213. SooHoo, MM, Lane, AS, Laikin, AM, **Gold JI**. Virtual Reality Increases Caregiver Satisfaction of Pediatric Intravenous Starts. Poster presented at the Association for Psychological Science Annual Convention, Washington, D.C., May 2019.
214. Ginsburg DK, **Gold JI**, Keens TG, Salinas DB. What is the impact of CFTR-Related Metabolic Syndrome/Cystic Fibrosis Screen Positive, Inconclusive Diagnosis on Maternal Mental Health? Poster presented at the North American Cystic Fibrosis Conference, Nashville, TN, November 2019.
215. SooHoo MM, Lane A, Laikin AM, **Gold JI**. The efficacy of Virtual Reality for managing pediatric pain and anxiety during intravenous starts. Poster presented at the American Psychological Association (APA) Convention, Chicago, Illinois, August 2019.
216. Nelson, LP, Lane A, SE, **Gold JI**. Delirium and Cognitive Dysfunction following Pediatric Critical Illness. Poster presented at the American Thoracic Society International Conference, Dallas, Texas, May 2019.



217. Laikin, AM, Lane, AS, SooHoo, MM, **Gold JI**. Virtual Reality As Distraction: Managing Pediatric Pain and Anxiety during Intravenous Placement. Poster presented at the Saban Research Institute Poster Session, Los Angeles, California, June 2019.
218. Nelson, LP, Lane A, SE, **Gold JI**. Delirium and Cognitive Dysfunction following Pediatric Critical Illness. Poster presented at the Saban Research Institute Poster Session, Los Angeles, California, June 2019.
219. Lane AS, **Gold JI**, Klein MJ, Nelson LP. Depression and Posttraumatic Stress in Children Admitted to the Pediatric Intensive Care Unit. Poster presented at the International Society for Traumatic Stress Studies Conference, Boston, Massachusetts, November 2019.
220. Nelson LP, Lane AS, Cabrales AC, Klein MJ, **Gold JI**. Impact of Pediatric Critical Illness on Short- and Long-Term Cognitive Function. Poster accepted to the Society of Critical Care Medicine's 49th Critical Care Congress, Orlando, Florida, February 2020.
221. Lane AS, Sekhon SK, Meyer RML, Klein MJ, **Gold JI**. Stressed Out: Stress, Burnout, Compassion Fatigue and Satisfaction in Novice Pediatric Nurses. Poster accepted to the American Psychological Association (APA) Convention, Washington, D.C., August 2020.
222. Gold JI, Lane AS, Klein MJ, Annick ET, Hauptman IS. A Child, a Caregiver, and a Nurse Walk into a Hospital...: Cross-Informant Variance in Determining the Efficacy of Virtual Reality (VR) for Pediatric Pain and Anxiety. Poster accepted to the Association for Psychological Science Annual Convention, Chicago, IL, May 21-24, 2020.
223. Cabrales A, Hamilton A, Klein MJ, Kertesz H, Hartline K, **Gold JI**. Pre-Surgical Neurocognitive Evaluation in Youth with Intractable Epilepsy. Poster accepted to the Association for Psychological Science Annual Convention, Chicago, IL, May 21-24, 2020.
224. Cabrales A, Hamilton A, Kertesz-Briest HA, Klein MJ, Hartline K, **Gold JI**. Examining relations between neuropsychological and clinical epilepsy-specific factors with psychopathology and adaptive skills outcomes in youth with intractable epilepsy. Poster accepted at the Annual American Academy of Clinical Neuropsychology Conference, Washington, D.C., June 10-13, 2020.

### Technical Reports

1. Morales E, **Gold JI**, Jenkins-Monroe V, Perez L, & Cooper B: Epiphany Center: Program Evaluation of a Day Treatment Program for Drug Exposed Infants and Their Parents. Year 2 Program Evaluation Report, 1995.

2. Morales E, **Gold JI**, Jenkins-Monroe V, Perez L, & Cooper B: Epiphany Center: Program Evaluation of a Day Treatment Program for Drug Exposed Infants and Their Parents. Year 3 Program Evaluation Report, 1996.
3. Morales E, **Gold JI**, Jenkins-Monroe V, Perez L, & Cooper B: Epiphany Center: Program Evaluation of a Day Treatment Program for Drug Exposed Infants and Their Parents. Year 4 Program Evaluation Report, 1997.
4. King LA, King DW, Foy DW, Resnick HS, Riggs DS, Street AE, Orcutt HK, Savarese VW, Suvak MK, **Gold JI**, Caulfield MB, O'Leary KD, & Pynoos RS: Male-perpetrated domestic violence: Testing a series of multifactorial family models. Research supported by the National Institute of Justice, Grant number 98-wt-vx-oc31, 2000.
5. **Gold JI**, Fernando AD, & Katz S: WestCoast Children's Clinic: Program Evaluation of a Foster Youth Development Program. Year 1 Program Evaluation Report. Research supported by The California Endowment, Grant number 20117888, 2004.
6. **Gold JI**, Fernando AD, & Katz S: WestCoast Children's Clinic: Program Evaluation of a Foster Youth Development Program. Year 2 Program Evaluation Report. Research supported by The California Endowment, Grant number 20117888, April 2005.
7. **Gold JI**, Fernando AD, & Katz S: WestCoast Children's Clinic: Program Evaluation of a Foster Youth Development Program. Year 3 Mid-Final Program Evaluation Report. Research supported by The California Endowment, Grant number 20117888, October 2005.
8. **Gold JI**, Fernando AD, & Katz S: WestCoast Children's Clinic: Program Evaluation of a Foster Youth Development Program. Year 3 Final Program Evaluation Report. Research supported by The California Endowment, Grant number 20117888, April 2006.
9. **Gold JI**, Fernando AD, & Katz S: WestCoast Children's Clinic: Program Evaluation of a Foster Youth Development Program. Year 4 Mid-Program Evaluation Report. Research supported by The California Endowment, Grant number 20117888, October 2006.
10. **Gold JI**, Fernando AD, & Katz S: WestCoast Children's Clinic: Program Evaluation of a Foster Youth Development Program. Year 5 Mid-Program Evaluation Report. Research supported by The California Endowment, Grant number 20117888, April 2007.
11. **Gold JI**, Fernando AD, & Katz S: WestCoast Children's Clinic: Program Evaluation of a Foster Youth Development Program. Final Program Evaluation Report. Research supported by The California Endowment, Grant number 20117888, October 2007.
12. **Gold JI**, Li A, & Beas V: LIATIS: Program Evaluation of a Pediatric Integrative

- Medicine Program. Year 1-Program Evaluation Report. Not Just “Complementary” and “Alternative:” Raising Awareness For The Wider Use of CAM Therapies for Children. Research supported by the LIATIS Foundation, February 2011.
13. **Gold JI**, Beas V, & Meyer R: LIATIS: Program Evaluation of a Pediatric Integrative Medicine Program. Year 2-Program Evaluation Report. Not Just “Complementary” and “Alternative:” Raising Awareness For The Wider Use of CAM Therapies for Children. Research supported by the LIATIS Foundation, February 2012.
  14. **Gold JI**, Beas V, & Meyer R: LIATIS: Program Evaluation of a Pediatric Integrative Medicine Program. Year 3-Program Evaluation Report. Not Just “Complementary” and “Alternative:” Raising Awareness For The Wider Use of CAM Therapies for Children. Research supported by the LIATIS Foundation, February 2013.
  15. **Gold JI**, Beas V, & Meyer R: LIATIS: Program Evaluation of a Pediatric Integrative Medicine Program. Year 4-Program Evaluation Report. Not Just “Complementary” and “Alternative:” Raising Awareness For The Wider Use of CAM Therapies for Children. Research supported by the LIATIS Foundation, October 2014.

### **News Media Reports**

1. IMSC: A National Science Foundation Engineering Research Center at USC, article, *Virtual reality for painful medical procedures*; January 2004.
2. Nikkei Newspaper, article, *Virtual reality for pediatric pain*; April 2005.
3. Pain Medicine News, article, *Inadequate Post-trauma Analgesia May Increase Risk for PTSD*; December 2005.
4. Imagine Children’s Hospital Los Angeles, article, *Pain, pain go away*; Spring 2006.
5. NIH Pain Consortium, article, *Virtual reality and pain reduction*; June 28, 2006.
6. Reuters, article, *Video games ease sick kids’, parents’ pain*; December 18, 2006.
7. KNX 1070 AM Talk Radio, interview, *Virtual reality for pediatric pain*; December 23, 2006.
8. Saban Research Institute Research Highlights, article, *Clinical Research Academic Career Development Award*; December 2007.
9. USC HealthNow, article, *Virtual Relief*; August 18, 2008.
10. KIWI Magazine, article, *Pediatric Acupuncture*; September/October 2008
11. USC Health Science Campus (HSC) Weekly, article, *Virtual reality brings real pain relief to kids at Children’s Hospital Los Angeles*; September 19, 2008.
12. NIH: NIDA in the News, article, *Pain Management with Virtual Reality – Exploring the Underlying Neurobiology*; September 2008.
13. USC Health News, Science/Technology, article, *Can Virtual Reality Offer Real Relief*, October 7, 2008.
14. PR-USA.NET, article, *Children’s Hospital Los Angeles Offers Pediatric Acupuncture Program*; February 2009.
15. USC Trojan Family Magazine, article, *Flat-Screen Pain Relief: Can the power of virtual reality ease young patients’ pain? Video distractions help the medicine go down*; Spring 2009.
16. USC Health Science Campus (HSC) Weekly, article, , *Acupuncture brings pain relief at Children’s Hospital*; February 6, 2009.

17. Chinese Medicine Times, article, *Children's Hospital Los Angeles Offers Pediatric Acupuncture Program*; February 6, 2009.
18. LA Watts Times – The Pulse, article, *Children's Hospital Offers Pediatric Acupuncture Program*; February 11, 2009.
19. Chronicle for USC Faculty & Staff, article, *Acupuncture Brings Pain Relief at Children's Hospital*; February 23, 2009
20. Tao of Wellness, article on website, *Pediatric Acupuncture program Helps Children with Chronic Pain*; March 2009.
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23. Acupuncture.Com, article, *Pediatric Acupuncture Program Helps Children with Chronic Pain*; May 2009.
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25. Yo San University Learning Point, *YSU Receives Weingart Foundation Grant, CHLA-YSU Partnership*, Spring 2010.
26. The Saban Research Institute of Children's Hospital Los Angeles, Bench to Bedside, *High-Tech Healing*, Spring 2010.
27. Healthcare Professionals Homepage Live, *Virtual Reality Offers Exciting Possibilities for Pain Management*, May 6, 2010.  
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30. Newswise, *Video Games and Virtual Reality Experiences Prove Helpful as Pain relievers in Children and Adults*, May 7, 2010.
31. Scientific Blogging, *Video Games Effective Pain Relievers, Researchers Say*, May 7, 2010.
32. e! Science News in Psychology and Sociology, *Video Games Effective Pain Relievers, Researchers Say*, May 7, 2010.
33. DrBicuspid.com, *Video games, virtual reality have analgesic effects*, May 7, 2010.
34. Hamara Health, *Video games, virtual reality experiences could relieve pain in kids, adults*, May 9, 2010.
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36. Medical News Today, *Video Games Prove Helpful As Pain Relievers in Children and Adults*, May 9, 2010.
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43. Business News, *Virtual Reality Proves Helpful as Pain Relievers*, May 10, 2010.

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45. IndiaVision, Video games, virtual reality experiences could relieve pain in kids, adults, May 10, 2010.
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61. Inside CHLA A Bi-Weekly E-Newsletter, *Fibromyalgia in Kids*, August 8, 2010.
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Dodgers player Andre Ethier visited Children's Hospital Los Angeles and gave autographs and stuffed bears to cancer patients. Ethier said the visit helped he and his wife just as much as it helped the kids.  
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  76. LA Dodgers - Andre Ethier Visits Children's Hospital Los Angeles (Jeffrey I. Gold, PhD) August 24, 2012  
Andre Ethier, right fielder of the Los Angeles Dodgers, visited Children's Hospital Los Angeles. He and his wife spent time with patients and their families and gave out gifts.  
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  79. Migraines in kids: Focus on prevention, doctors say (Jeffrey I. Gold, PhD)  
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<http://americannewsreport.com/nationalpainreport/more-children-diagnosed-with-chronic-pain-8820731.html>, July 3, 2013.
  81. Music Reduces Pain for Hospitalized Kids (Jeffrey I. Gold, PhD)  
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  82. Research Highlights (Jeffrey I. Gold, PhD)  
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 What to do with dependence on narcotics?  
<http://www.youtube.com/watch?v=YIPmYA4aNqM&list=UUMauoKIWtYqIJq3UQibK0Sw>, October 27, 2013
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 Preparing for your child's medical appointment?  
<http://www.youtube.com/watch?v=Dm0OC2RXFHU&list=UUMauoKIWtYqIJq3UQibK0Sw>, October 27, 2013
  84. Daily Trojan - World Jam inspires hope for youth (Jeffrey I. Gold, PhD)  
 Have you ever wanted to fly to another country, or maybe even another planet? It might seem out of reach, but for a child in the hospital undergoing chemotherapy, fantasy feels like the farthest thing in the world.  
<http://dailytrojan.com/2014/02/12/world-jam-inspires-hope-for-youth/>, February 12, 2014
  85. USC Cinematic Arts - World Jam at USC (Jeffrey I. Gold, PhD)  
<http://cinema.usc.edu/news/article.cfm?id=14109>, February 24, 2014
  86. Children's Hospital Los Angeles Blog, Pain Management Clinic Provides Relief for Kids (Jeffrey I. Gold, PhD)  
<http://www.wetreatkidsbetter.org/2014/04/pain-management-clinic-provides-relief-for-kids/>, April 2, 2014
  87. CBS - Eastern Approach Helps Western Kids Cope With Pain Management At Children's Hospital (Jeffrey I. Gold, PhD)  
<http://losangeles.cbslocal.com/2014/04/04/eastern-approaches-helping-western-kids-cope-with-pain-management-at-childrens-hospital/>, April 4, 2014
  88. Children's Hospital Los Angeles ResearCHLABlog, "Not Only an Adult Condition, Fibromyalgia Affects Kids Too" (Jeffrey I. Gold, PhD)  
<http://researchlablog.org/>, June 2014
  89. Mindfulness Training Improves Stress Management in Pediatric Intensive Care Unit (PICU) Nurses (Jeffrey I. Gold, PhD)  
<http://mindful.usc.edu/category/research/>



90. News-Medical.net — CHLA Pediatric Expert Answers Questions About PTSD  
February 23, 2015  
<http://www.news-medical.net/news/20150223/CHLA-pediatric-expert-answers-questions-about-PTSD.aspx> (Jeffrey I. Gold, PhD)
91. PTSD Can Affect Sick Kids? Your Medical PTSD Questions Answered  
<http://researchlablog.org/post/111569530485/ptsd-can-affect-sick-kids-your-medical-ptsd> (Jeffrey I. Gold, PhD)
92. USC 2015 Mellon Mentoring Award  
<https://faculty.usc.edu/mentoring/mellon-awards/2015-awardees/jeffrey-gold/>  
(Jeffrey I. Gold, PhD)
93. Eastern Medicine's Role in the Emergency Department  
April 29, 2015  
<http://researchlablog.org/post/117723749022/eastern-medicines-role-in-the-emergency> (Jeffrey I. Gold, PhD)
94. Screening for mental health issues in a pediatric ED  
October 1, 2015  
<http://www.medicalnewstoday.com/releases/300340.php>  
(Jeffrey I. Gold, PhD)
95. ScienceDaily - Screening for mental health issues in a pediatric emergency department (Alan L. Nager, MD, MHA; Jeffrey I. Gold, PhD)  
October 1, 2015  
In a study to be published on Oct. 1 by the journal Pediatric Emergency Care, investigators at Children's Hospital Los Angeles piloted a brief mental health screening tool to be used with patients accessing the emergency department for medical complaints who might be at risk for mental health problems.  
<http://www.sciencedaily.com/releases/2015/10/151001093843.htm>
96. Healio.com — Screening tool identified mental health issues among adolescents presenting to ED (Alan L. Nager, MD, MHA; Jeffrey I. Gold, PhD)  
October 2, 2015  
<http://www.healio.com/psychiatry/pediatrics/news/online/%7Be97f692b-ae0b-4ea3-822f-10b320b241e2%7D/screening-tool-identified-mental-health-issues-among-adolescents-presenting-to-ed>
97. Psych Central — Screening for Adolescent Mental Health in the ER  
(Alan L. Nager, MD, MHA; Jeffrey I. Gold, PhD)  
October 5, 2015  
<http://psychcentral.com/news/2015/10/04/screening-tool-for-pediatric-mental-health-issues-devised/93040.html>
98. Swedish clinics use virtual reality to reduce the sting of shots  
(Jeffrey Gold, PhD)  
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AppliedVR is involved in ongoing clinical trials of the technology, including one at Children's Hospital Los Angeles that uses virtual reality for children getting their blood drawn.  
[https://www.statnews.com/2016/10/27/virtual-reality-pain-app/?s\\_campaign=stat:rss](https://www.statnews.com/2016/10/27/virtual-reality-pain-app/?s_campaign=stat:rss)
99. FOX News Health—Swedish clinics use virtual reality to reduce the sting of shots  
(Jeffrey Gold, PhD)  
October 27, 2016  
<http://www.foxnews.com/health/2016/10/27/swedish-clinics-use-virtual-reality-to-reduce-sting-shots.html>



100. KTLA5 Los Angeles — Kids at Children's Hospital Los Angeles Visited by Characters From a Galaxy Far, Far Away (Jeffrey I. Gold, PhD)  
December 8, 2016  
Patients at Children's Hospital Los Angeles on Thursday took a break from treatment to receive Jedi training from "Star Wars" characters.  
<http://ktla.com/2016/12/08/kids-at-childrens-hospital-los-angeles-visited-by-characters-from-a-galaxy-far-far-away/>
101. Polygon News – “Virtual reality may be a new, cheaper weapon in the war on pain” December 29, 2016 (Jeffrey I. Gold, PhD)  
<https://www.polygon.com/2016/12/29/14114516/virtual-reality-pain-management-vive-rift>
102. LIVESTRONG.com - 8 Ways Virtual Reality Is a Game Changer for Wellness in 2017 (Jeffrey I. Gold, PhD)  
December 13, 2017  
<http://www.livestrong.com/article/1012603-8-ways-virtual-reality-game-changer-wellness/>
103. Some of the ways we use gaming to support patients are featured in [@UnlockedTVShow](#) w/ [@zeldawilliams](#). More info: <http://buff.ly/2hx0kEi>  
December 15, 2016 (Jeffrey I. Gold, PhD)
104. Wall Street Journal - 'A Virtual Approach to Real Pain.'  
(Jeffrey I. Gold, Ph.D.)  
April 13, 2017  
<file:///Users/jgold/Desktop/Enlisting%20Virtual%20Reality%20to%20Ease%20Real%20Pain%20-%20WSJ.webarchive>
105. ResearCHLA 2017 – “Virtual Reality in Pediatrics.”  
(Jeffrey I. Gold, Ph.D.)  
August 2017  
<https://www.chla.org/virtual-reality-pediatrics>
105. R&D Magazine “Virtual Reality Reduces Pain, Anxiety for Kids in Hospitals.”  
(Jeffrey I. Gold, Ph.D.)  
August 28, 2017  
<https://www.rdmag.com/article/2017/08/virtual-reality-reduces-pain-anxiety-kids-hospitals>
106. Beverly Hills Courier “Virtual Reality In Pediatrics: Game Changer For Patients, Providers At CHLA”  
(Jeffrey I. Gold, Ph.D.)  
August 31, 2017  
<http://bhcourier.com/virtual-reality-in-pediatrics-game-changer-for-patients-providers-at-chla/>
107. Children's Hospital Los Angeles (Press Release) “Can virtual reality be used to manage pain at a pediatric hospital”  
(Jeffrey I. Gold, Ph.D.)  
November 7, 2017  
<https://www.chla.org/press-release/can-virtual-reality-be-used-manage-pain-pediatric-hospital>
108. eHealthNews.eu. “Can Virtual Reality be Used to Manage Pain at a Pediatric Hospital?”  
(Jeffrey I. Gold, Ph.D.)  
November 7, 2017

- <http://www.ehealthnews.eu/research/5417-can-virtual-reality-be-used-to-manage-pain-at-a-pediatric-hospital>
109. Practical Pain Management “Gaming as a Tool for Pain Relief”  
(Jeffrey I. Gold, Ph.D.)  
January 31, 2018  
<https://www.practicalpainmanagement.com/treatments/complementary/biobehavioral/gaming-tool-pain-relief>
110. Health Tech Magazine “Healthcare Treatment, Training, Reaches New Heights with VR”  
(Jeffrey I. Gold, Ph.D.)  
February 2, 2018  
<https://healthtechmagazine.net/article/2018/02/healthcare-treatment-training-reaches-new-heights-vr>
111. Washington Post “Virtual reality is being used by hospital to help people cope with pain”  
(Jeffrey I. Gold, Ph.D.)  
June 11, 2018  
[https://www.washingtonpost.com/national/health-science/virtual-reality-is-being-used-by-hospitals-to-help-people-cope-with-pain/2018/06/08/07e8b39e-6424-11e8-a768-ed043e33f1dc\\_story.html?utm\\_term=.0824d8aa8a65](https://www.washingtonpost.com/national/health-science/virtual-reality-is-being-used-by-hospitals-to-help-people-cope-with-pain/2018/06/08/07e8b39e-6424-11e8-a768-ed043e33f1dc_story.html?utm_term=.0824d8aa8a65)
112. DermatologyTimes “Self-care for the modern age”  
(Jeffrey I. Gold, Ph.D.)  
October 12, 2018  
<http://www.dermatologytimes.com/derm-pulse/self-care-modern-age>
113. Greater Good Magazine (Science-Based Insights for a Meaningful Life)  
“Do Mindfulness Apps Work?”  
(Jeffrey I. Gold, Ph.D.)  
June 19, 2018  
[https://greatergood.berkeley.edu/article/item/do\\_mindfulness\\_apps\\_work](https://greatergood.berkeley.edu/article/item/do_mindfulness_apps_work)
114. New York Times  
“Virtual Reality as Therapy for Pain”  
(Jeffrey I. Gold, Ph.D.)  
April 29, 2019  
<https://www.nytimes.com/2019/04/29/well/live/virtual-reality-as-therapy-for-pain.html>
115. Parentology  
“How Virtual Reality Helps Kids in Medical Settings”  
(Jeffrey I. Gold, Ph.D.)  
April 29, 2019  
<https://parentology.com/how-virtual-reality-helps-kids-in-medical-settings>
116. Parentology  
“New Transnasal Endoscopies Require No Anesthesia With VR”  
(Jeffrey I. Gold, PhD)  
April 30, 2019  
<https://parentology.com/transnasal-endoscopy-without-sedation>
117. Parentology  
“Virtual Reality Helps Children Overcome Phobias”  
(Jeffrey I. Gold, PhD)  
May 1, 2019  
<https://parentology.com/virtual-reality-helps-children-overcome-phobias>
118. Channel News Asia (CNA) Lifestyle

- “Virtual reality as therapy may teach patients skills to cope with chronic pain”  
(Jeffrey I. Gold, PhD)  
May 6, 2019  
<https://cnalifestyle.channelnewsasia.com/wellness/virtual-reality-therapy-teach-patients-skills-cope-chronic-pain-11489562>
119. Tower Cancer Research Foundation  
“Virtual Reality Research”  
(Jeffrey I. Gold, PhD)  
Spring 2019  
<https://www.towercancer.org/magazine-spring-2019-article-15/>
120. Leapsmag  
“Virtual reality is making medical care for kids less scary and painful”  
(Jeffrey I. Gold, PhD)  
September 25, 2019  
<https://leapsmag.com/virtual-reality-is-making-medical-care-for-kids-less-scary-and-painful/>
121. USC Annenberg Media  
“USC student looks to virtual reality to alleviate young patients’ fears of MRI scans” (Jeffrey I. Gold, PhD)  
December 14, 2019  
<http://www.uscannenbergmedia.com/2019/12/04/usc-student-looks-to-virtual-reality-to-alleviate-young-patients-fears-of-mri-scans/>
122. Zeit (German)  
Zeit - Spielen gegen den Schmerz (“Play Against the Pain”)  
(Jeffrey I. Gold, PhD)  
December 17, 2019  
<https://www.zeit.de/die-antwort/2019-12/virtual-reality-patienten-krankenhaus-schmerz-behandlung>
122. The Doctors (TV Show) – “The Tech Making Medical Care Less Scary for Kids”  
(Jeffrey I. Gold, PhD)  
January 10, 2020  
The Doctors welcome Dr. Jeffrey I. Gold, founder of the pediatric pain management clinic at CHLA, to discuss a new VR program that aims to distract young patients while they are undergoing a procedure.  
<https://www.thedoctorstv.com/articles/the-tech-making-medical-care-less-scary-for-kids>

**Mentoring**

<b>Role</b>	<b>Date</b>	<b>Title (at time)</b>	<b>Institution (at time)</b>	<b>Current Position</b>
<b>1. High School Seniors</b>				
Megan Derick	9/12 – 1/13	Volunteer Research Assistant (RA)	CHLA	Westridge School for Girls
Erin Annick	5/13 – 9/13	Volunteer RA	CHLA	Georgetown University
Porshad Elie	6/14 – 8/14	Volunteer RA	CHLA	USC
Lona Tehrani	6/14 – 8/14	Volunteer RA	CHLA	University of California, Berkeley
Isabella York	6/14 – 8/14	Volunteer RA	CHLA	Cornell University
Zoe Glick	6/15 – 8/15	Volunteer RA	CHLA	University of California, Berkeley
Darielle Engilman	6/16-7/16	Volunteer RA	CHLA	Brentwood High School
<b>2. Undergraduate Students</b>				
Kerri Schutz	5/03 – 6/04	Volunteer RA	CHLA	VA Greater Los Angeles Healthcare System
Sarah Russell	6/07-6/08	Volunteer RA	CHLA	University of Southern California, Medical School
Nicole Pampanin	5/08 – 9/08	Volunteer RA	CHLA	Lewis and Clark
Yael Sherer	5/08 – 9/08; 5/09 – 7/09; 3/18 – current	Volunteer RA	CHLA	
Daniella Ginsburg	9/08 – 5/10	Volunteer RA	CHLA	CHLA, Post-doctoral fellow in Pulmonary
Casey Simon	5/10 – 8/10	Volunteer RA	CHLA	Pepperdine University
Jared Nager	10/10 – 6/11	Volunteer RA	CHLA	CHLA
Johanna Villanueva	06/11 – 9/11; 7/12 – 9/12	Volunteer RA	CHLA	University of Pennsylvania
Riva Ballis	07/11 – 9/11	Volunteer RA	CHLA	U. California, Davis
Nicole Kashani	11/12 – 5/13	Volunteer RA	CHLA	University of Southern California
Eduardo Herrera	2/13 – 5/13	Volunteer RA	CHLA	
Stephanie Wetzel	1/13 – 5/14	Volunteer RA	CHLA	University of Southern California USC Interdisciplinary Award 1st Prize
<b>Role</b>	<b>Date</b>	<b>Title</b>	<b>Institution</b>	<b>Current Position</b>

		(at time)	(at time)	
Arianna Robin	5/14 – 8/14	Volunteer RA	CHLA	University of Southern California
Linda Tsui	10/14 – 6/16	Volunteer RA	CHLA	University of Southern California
Sammy Wilkin	7/15-9/15	Volunteer RA	CHLA	University of California, Davis
Jessica Pedersen	10/15 – 5/16	Volunteer RA	CHLA	USC
Kelsey Thayer	10/15 – 5/16	Volunteer RA	CHLA	USC
Adriana Cabrales	4/16 – 11/17	Volunteer RA	CHLA	CHLA
Sloane Fisher	5/16-7/17	Volunteer RA	CHLA	Yale, School of Nursing
Ezie Nguyen	5/16-5/18	Volunteer RA	CHLA	Employed
Arianna Lane	5/16 – 5/18	Volunteer RA	CHLA	USC
Melody Hannani, BA	8/16 – 7/17	Volunteer RA	CHLA	Alliant University
Erin Annick	6/17 – 8/17	Volunteer RA	CHLA	
Joshua Choi	6/17 – 7/17	Volunteer RA	CHLA	Johns Hopkins
Bayle James	6/17 – 8/17	Volunteer RA	CHLA	Quest University Canada
Lily Campbell	6/17 – 8/17	Volunteer RA	CHLA	Boston College
Shelby Schenkman	9/17- 11/17	Volunteer RA	CHLA	USC
Melanie Moradi	2/18 – 1/19	Volunteer RA	CHLA	employed
Isabella Hauptman	4/18 – current	Volunteer RA	CHLA	USC
Michelle Faliv	9/18 – current	Volunteer RA	CHLA	UCLA
Alliyah Farahi	10/18 – 6/19	Volunteer RA	CHLA	USC
Catherine Ho USC Fellowship Awardee 2018, 2019	11/18 – current	Volunteer RA	CHLA	USC
Simran Sekhon	12/18 - current	Volunteer RA	CHLA	CSUN
Ryan Marty	3/19 - current	Volunteer RA	CHLA	CSUN
Roland Duval	6/19 – 8/19	Volunteer RA	CHLA	Gonzaga
Mahak Kaur	7/19 - current	Volunteer RA	CHLA	USC
<b>3. Clinical Research Assistants (CRA)</b>				
Alexis Kant, BA	10/04 – 9/06	CRA	CHLA	Psychologist, Children's Hospital Los Angeles,
Katie Belmont Cecala, BS	8/06 – 6/07	CRA	CHLA	Physician, Children's Hospital Boston
Nicole Mahrer, BA	6/07 – 6/09	CRA	CHLA	Professor, University LaVerne
Jennifer Menjivar, BA	11/07 – 8/08	CRA	CHLA	CSU, Dominguez Hills & UCLA
<b>Role</b>	<b>Date</b>	<b>Title</b>	<b>Institution</b>	<b>Current Position</b>

		(at time)	(at time)	
Nidya Zorash Montaño, BA	8/08 – 7/10	CRA	CHLA	CHLA, psychologist
Angela Li, BA	5/09 – 6/11	CRA	CHLA	UCLA, Counseling Center
Raquel Engilman, MA	7/10 – 5/17	CRA	CHLA	Pharma
Joan Christodoulou, MPhil	8/10 – 11/10	CRA	CHLA	PhD student at Claremont College
Virginia Beas, MS	12/10 – 10/13	CRA	CHLA	Children's Hospital Los Angeles
Jennifer Chang, MA	6/11 – 7/12	CRA	CHLA	Children's Hospital Los Angeles
Rika M. L. Meyer, PhD	8/11 – 4/15	Research Scientist	CHLA	Assistant Professor, CSUN
Veronica Diaz, BA	12/12 – 9/14	Project coordinator	CHLA	Social worker, UCLA
John David Barton, MA	3/14 – 8/15	Project coordinator	CHLA	Pepperdine University, Psychology
Natalia Jaramillo Vasquez, BA	7/14 – 7/16	Project coordinator	CHLA	University California, Santa Barbara, Psychology
Sage Lachman, BA	6/16-7/18	Project coordinator	CHLA	Duke University
Arianna Lane, BA	7/18 – current	Project coordinator	CHLA	
Erin Annick, BA	12/19 – current	Project coordinator	CHLA	
<b>4. Graduate Students</b>				
Anya Griffin, PhD	2/02 – 7/04	Volunteer RA	CHLA	Children's Healthcare of Atlanta
Raj Augustine, PhD	8/03 – 7/04	Volunteer RA	CHLA	Los Angeles, private practice
Dana Season, PsyD	1/05 – 3/06	Volunteer RA	CHLA	Kaiser Permanente, Pain Management
Shelley Tom, PhD	12/06 – 6/07	Volunteer RA	CHLA	USC
Tania Abou-ezzeddine, PhD	1/06 – 6/07	Volunteer RA	CHLA	Biola University, Associate Professor
Jaye Azoff, PsyD	6/07 – 8/07	Volunteer RA	CHLA	Private Practice, Basik Concierge
Alexis Kant Yetwin, MA	10/07 – 8/11	Volunteer RA	CHLA	Children's Hospital Los Angeles, Staff Pediatric Psychologist
Neda Safvati, PsyD	1/09 – 3/10	Volunteer RA	CHLA	Private Practice
Morgan Silverman, MPH	1/10 – 6/10	Volunteer RA	CHLA	USC, MPH
<b>Role</b>	<b>Date</b>	<b>Title (at time)</b>	<b>Institution</b>	<b>Current Position</b>

			(at time)	
Kingson Man	3/10 – 1/11	Volunteer RA	CHLA	USC, doctoral program
T. Dalton Combs	11/11 – 6/14	Volunteer RA	CHLA	USC, Neuroscience doctorate
Alison Costa	7/11 – 7/13	Volunteer RA	CHLA	Kennedy Kreiger, Hopkins
Tina Gauthier	10/12 – 5/13	Volunteer RA	CHLA	CHLA, Spiritual Care
Kelly Schermer	11/12 – 5/13	Volunteer RA	CHLA	USC, Masters of Public Health
Dana Lieberman	1/13 – 6/13	Volunteer RA	CHLA	Alliant University
Sarah Dillon	4/13 – 2/14	Volunteer RA	CHLA	Alliant University
Natalia David	4/13 – 6/17	Volunteer RA	CHLA	Assistant Professor Department of Psychiatry, UT Southwestern
Fady Serry	1/14 – 10/14	Volunteer RA	CHLA	Alliant University
Jade Ozier	3/14 – 6/14	Volunteer RA	CHLA	Alliant University
Jacqueline Mendoza	3/14 – 6/14	Volunteer RA	CHLA	Alliant University
Habib Abdullah	3/14 – 8/14	Volunteer RA	CHLA	Alliant University
Jessica Williamson	10/14 – 6/16	Volunteer RA	CHLA	Pepperdine University, doctorate student
Andrew Connors	10/14 – 6/16	Volunteer RA	CHLA	Catholic University, doctorate student
Reina Factor, PhD	6/17 – 8/17	Volunteer RA	CHLA	Virginia Tech University
<b>5. Psychology Pre-Doctoral/ Clinical Interns</b>				
Katie Kunitzer, MSW	9/04 – 8/05	Pre-doctoral Intern	CHLA	Scottsdale Unified School District, Arizona
Erin Dowdy, PhD	8/05 – 7/06	Pre-doctoral Intern	CHLA	UCSB, Assoc. Professor
Despina Colette Nicolaou, PhD Research Excellence and Clinical Excellence Award	7/06 – 6/07	Pre-doctoral Intern	CHLA	Rice University, Texas
Lisa Tang, PhD	7/07 – 6/08	Pre-doctoral Intern	CHLA	Private practice, Seattle, WA
Mekel Harris, PhD Clinical Excellence Award 2009	7/08 – 6/09	Pre-doctoral Intern	CHLA	Assistant Professor at Chicago School of Prof. Psychology
Oscar Donoso, MA Leadership Award 2010	7/09 – 6/10	Pre-doctoral Intern	CHLA	Staff Psychologist at CHLA
<b>Role</b>	<b>Date</b>	<b>Title (at time)</b>	<b>Institution (at time)</b>	<b>Current Position</b>

Beth Barber, MS Clinical Excellence Award 2011	7/10 – 6/11	Pre-doctoral Intern	CHLA	Stanford Children's Hospital
Alexis Yetwin, MA	7/10 – 6/11	Pre-doctoral Intern	CHLA	Children's Hospital Los Angeles, Staff Pediatric Psychologist
Tara Raines, M.Ed.	7/11 – 7/12	Pre-doctoral Intern	CHLA	Assistant Professor at University of Nevada at Las Vegas (UNLV)
<b>6. Acupuncture Externs</b>				
Susana Puelles, LAc	1/09 – 6/09	Extern	CHLA	Private practice
Frances Lam, LAc	1/09 – 6/09	Extern	CHLA	Private practice
Kathy Divinsky, LAc	7/09 – 11/09	Extern	CHLA	Private practice
Nini Nguyen Mai, LAc	7/09 – 1/10	Extern	CHLA	Private practice
Dorothy Low, LAc	11/09 – 11/13	Extern	CHLA	CHLA Acupuncture Supervisor
Kumiko Yamamoto, LAc	11/09 – 9/10	Extern	CHLA	Private practice
Elizabeth Knickmeyer, LAc	1/10 – 4/10	Extern	CHLA	Private practice
Alison Doherty, LAc	6/11 – 4/12	Extern	CHLA	Private practice
Rosaleen Ostrick, LAc	1/12 – 7/12	Extern	CHLA	Private practice
Martha Valdivia, LAc	9/12 – 4/13	Extern	CHLA	
Polli Glatleider, LAc	9/12 – 4/13	Extern	CHLA	
Penny Weinraub, LAc	4/13 – 12/13	Extern	CHLA	
Khansa Baber, LAc	4/13 – 12/13	Extern	CHLA	
Sherra Cunningham, LAc	4/13 – 12/13	Extern	CHLA	
Sally Goluboff, LAc	4/13 – 12/13	Extern	CHLA	
Tram Pham, LAc	11/13 – 5/14	Extern	CHLA	
Tobe Stacey, LAc	11/13 – 5/14	Extern	CHLA	
Alanna Flanagan, LAc	11/13 – 5/14	Extern	CHLA	
Jessie Lubke, LAc	5/14 – 3/15	Extern	CHLA	
Mary Parr, LAc	5/14 – 12/14	Extern	CHLA	
Hengameh Ebrahimi, L.Ac.	1/15 – 7/15	Extern	CHLA	
Shannon Lawrence, L.Ac.	9/15 - 4/16	Extern	CHLA	Private practice
Jennifer Garcia, LAc	9/15 - 7/16	Extern	CHLA	Private practice
Katrina Haley, LAc	6/16 – 2/17	Extern	CHLA	Private Practice



<b>7. Acupuncture Fellows</b>	<b>Date</b>	<b>Title (at time)</b>	<b>Institution (at time)</b>	<b>Current Position</b>
Jing Jia Chen, LAc	9/10- 8/11	Fellow	CHLA	Private practice
Sharareh Daghighi, LAc	9/10 – 4/11	Fellow	CHLA	Private practice
Virginia Prior, LAc	10/10 – 9/11	Fellow	CHLA	Private practice
Carla Vidor, LAc	6/11 – 12/11	Fellow	CHLA	Private practice
Katelynn Vifquain, LAc	1/15- 9/15	Fellow	CHLA	Private practice
<b>8. Psychology Post-Doctoral/ Clinical Fellows</b>				
Kerri Marks, MSW	7/05 – 6/06	Post-doctoral Fellow	CHLA	
Patricia Fernando, PsyD	7/06 – 8/07	Post-doctoral Fellow	CHLA	Tacoma Washington, private
Erin O’Callaghan, PhD	9/08 – 8/10	Post-doctoral Fellow	CHLA	Associate Professor, Alliant University
Krista Kohl, PhD Research Excellence Award 2012	9/10 – 8/12	Post-doctoral Fellow	CHLA	University of Colorado, Anesthesiology, Assistant Professor
Cindy Nam John, PhD	9/10 – 12/12	Post-doctoral Fellow	CHLA	CHLA, Staff Pediatric Psychologist
Alexis Yetwin, PhD Leadership Award	9/11 – 10/13	Post-doctoral Fellow	CHLA	CHLA, Staff Pediatric Psychologist
Katie Fleishman, PhD	9/12 – 8/14	Post-doctoral Fellow	CHLA	Boston Children’s Hospital, Harvard University
Nelly Amariglio, PhD	9/13 – 8/16	Post-doctoral Fellow	CHLA	
Sara Li, PsyD	9/14 – 8/16	Post-doctoral Fellow	CHLA	Kaiser Redwood City, Staff
Nicole Mahrer Malotte, PhD	9/15 – 8/17	Post-doctoral Fellow	CHLA	Professor, University of LaVerne
Heather Kertesz, PsyD	9/17 – 9/18	Post-doctoral Fellow	CHLA	CHLA, post-doctoral fellow
Stephanie Wright, PhD	9/17 – current	Post-doctoral Fellow	CHLA	CHLA, post-doctoral fellow
<u>Andrea Laikin, PhD</u>	<u>9/18 – current</u>	<u>Post-doctoral Fellow</u>	CHLA	CHLA, post-doctoral fellow
<u>Michelle SooHoo, PhD</u>	<u>9/18 – current</u>	<u>Post-doctoral Fellow</u>	CHLA	CHLA, post-doctoral fellow
<b>9. Psychology Post-Doctoral Research Fellows</b>	<b>Date</b>	<b>Title (at time)</b>	<b>Institution (at time)</b>	<b>Current Position</b>
Erin O’Callaghan, PhD	3/08 – 9/08	Post-doctoral Research	CHLA	Associate Professor, Alliant University

		Fellow		
Vincent Chen, PhD	6/09 – 9/12	Post-doctoral Research Fellow	CHLA	Children's Hospital Los Angeles, post-doctoral fellow
Christina Young, PhD	6/12 – 8/13	Post-doctoral Research Fellow	CHLA	UCLA NPI
<b>10. Medical Residents</b>				
Jamie Peregrine	7/08 – 1/10	Volunteer RA	CHLA	University of Southern California, KSOM
Cynthia Chinn, MD	12/10 – 5/11	Volunteer RA	CHLA	Fellow, Anesthesia
Sylvia Charles, MD	7/12 – 8/12	Volunteer RA	CHLA	University of Southern California, KSOM
Sanjay Belani	5/13 – 9/13	Volunteer RA	CHLA	Chicago Medical School
Elaine Yang	6/13 – 5/15	Volunteer RA	CHLA	University of Southern California, KSOM
Lisa Schamber	6/13 – 5/15	Volunteer RA	CHLA	University of Southern California, KSOM
Jennifer Sakioka	1/14 – 5/15	Volunteer RA	CHLA	University of Southern California, KSOM
Elizabeth Blotsky	6/14 – 2/15	Volunteer RA	CHLA	University of Southern California, KSOM
Ena Nielson	1/15 – 6/16	Volunteer RA	CHLA	University of Southern California, KSOM
Susan Mauriello	9/15 – 6/16	Volunteer RA	CHLA	University of Southern California, KSOM
Sabrina Kohanzad	5/19 – 8/19	Volunteer RA	CHLA	New York Medical College
<b>Role</b>	<b>Date</b>	<b>Title (at time)</b>	<b>Institution (at time)</b>	<b>Current Position</b>
<b>11. Medical Fellows</b>				
Harry Yuan, DO, MPH Peds Pulmonary	7/04 – 6/06	Medical Fellow	CHLA	Kaiser Permanente, Fontana
Eugene Sohn, MD Pediatric Pulmonary	7/06 – 6/09	Medical Fellow	CHLA	Kaiser Sunset, attending
Kevin Madden, MD	6/09 – 12/12	Medical Fellow	CHLA	Boston Children's

Pediatric Critical Care Medicine				Hospital Palliative Care fellow
Sabrina Derrington, MD, Pediatric Critical Care Medicine	6/09 – 6/11	Medical Fellow	CHLA	Northwestern University
Yuki Yasaka, MD Pediatric Critical Care Medicine	6/09 – 7/12	Medical Fellow	CHLA	Critical Care Attending in Japan
Jean Dozier, MD Pediatric Critical Care Medicine	1/10 – 7/12	Medical Fellow	CHLA	Children's Hospital Los Angeles, critical care fellow
<b>12. Visiting Scholars</b>				
Seok Hyeon Kim, MD, PhD	9/04 – 7/06	Research Scholar	CHLA	College of Medicine, Hanyang University, Dept. of Psychiatry
Melissa Fraga, MD	10/11 – 12/11	Clinical Scholar	CHLA	San Paulo, Brazil, Rheumatology & Acupuncture
<b>13. USC Faculty</b>				
Lara Nelson, MD	7/10 – 9/18	Attending	CHLA	USC/CHLA Critical Care Medicine
David Epstein, MD	10/10 – 6/17	Attending	CHLA	Local Urgent Care
Sharon O'Neil, PhD	11/11 – Current	Attending	CHLA	USC/CHLA Clinical Trials Unit
Anita Hamilton, PhD	12/11 – Current	Attending	CHLA	USC/ CHLA ACCM
Sarah Rubin, MD	1/12 – 6/17	Attending	CHLA	University of Pittsburgh Medical Center
Sabrina Derrington, MD	1/13 – 8/13	Attending	CHLA	Northwestern University
Ilanit Brook, MD	1/13 – 6/17	Attending	CHLA	USC/CHLA: Critical Care Medicine - Palliative Care
Sheree Schrager, PhD	3/15 – 9/17	Attending	CHLA	CSUN
Leah Stein, PhD	10/15 – Current	USC Researcher	USC	USC OT Faculty
Margaret Trost, MD	10/15 – Current	Attending	CHLA	USC/CHLA: Pediatrics, Hospital Medicine

**From:** [Kulkarni, Omkar](#)  
**To:** [Pogossian, Ani](#)  
**Subject:** FW: Support Email for KidsX  
**Date:** Tuesday, April 28, 2020 12:11:07 PM  
**Attachments:** [image001.png](#)

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See below.

**Omkar Kulkarni, MPH**  
Chief Innovation Officer  
Children's Hospital Los Angeles

CHLA Innovation Studio  
Mobile: 323.217.5733 | [okulkarni@chla.usc.edu](mailto:okulkarni@chla.usc.edu)  
Connect on Social: @opk\_innovation

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*Innovation = Implementing new ideas that add value*

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**From:** "Magness, Charles" <Charles.Magness@seattlechildrens.org>  
**Date:** Tuesday, April 28, 2020 at 12:03 PM  
**To:** Omkar Kulkarni <okulkarni@chla.usc.edu>  
**Subject:** Support Email for KidsX (EXTERNAL EMAIL)

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City of Glendale, California

Dear Grant Administrators and Review Committee:

We would like to voice our strongest support and enthusiasm for the new KidsX Consortium that you are considering for a grant.

As a leading pediatric hospital with a long history of innovation, Seattle Children's Hospital is positioned to provide a unique blend of support to the KidsX Consortium due to a combined focus on both the Puget Sound and the broader four state regions served (Washington, Alaska, Montana, and Idaho). We are excited at the prospect of participating in, nurturing, and ultimately providing much-needed digital health innovation to all of our patients and their families.

This new Consortium comes at a perfect time for us. In 2019, we launched a new team, Innovation Pod, focused on supporting innovators across our healthcare system in bringing their pediatric health innovations to life. The team already has 8.5 dedicated FTEs with a variety of skillsets including designers, engineers, and product managers. Our team has dedicated workspace and prototyping capabilities and works in tandem with special support cores for administrative, legal, and intellectual property management. Our efforts are currently focused across a spectrum of over 40 active medical device, diagnostic, and support projects, including digital applications. KidsX represents a great opportunity for us to leverage our internal efforts across a larger hospital base with even broader expertise.

We intend to support a charter membership in KidsX, which would involve participation and support of the following member activities:

- Annual participation in defining the key pediatric digital health problems for the Consortium to target
- Active participation in selecting Startups
- Active mentoring of Startups through the 13-week accelerator phase
- Annual piloting of at least one Startup's digital health solution, given an appropriate fit to local needs and capabilities.

As you may know, pediatric health innovation is underfunded compared to adult health needs and our children deserve more. We greatly appreciate your consideration of support and look forward to the kickoff of this much-needed new venture to support pediatric health.

We welcome any further questions or inquiries from your team, so please do not hesitate to contact us.

Sincerely,

**Devin Prenevost**

**Sr. Director, Innovation & System Support Services**

[devin.prenvest@seattlechildrens.org](mailto:devin.prenvest@seattlechildrens.org)

**Charles Magness PhD**

**Innovation Architect | Continuous Improvement and Innovation**

[Charles.Magness@seattlechildrens.org](mailto:Charles.Magness@seattlechildrens.org)

Seattle Children's

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**Innovation Pod**  
Nurturing Tomorrow's Better

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**From:** [Pogossian, Ani](#)  
**To:** ["Kulkarni, Omkar"](#)  
**Subject:** RE: KidsX Accelerator Participation - Orlando Health Arnold Palmer Hospital for Children  
**Date:** Monday, April 27, 2020 2:06:51 PM  
**Attachments:** [image006.png](#)

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Thank you!

Ani Pogossian • Economic Development Associate • City of Glendale • Economic Development Department  
633 E. Broadway, Suite 201 • Glendale, CA 91206 • (818) 548-2005 • [apogossian@glendaleca.gov](mailto:apogossian@glendaleca.gov)



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**From:** Kulkarni, Omkar [mailto:okulkarni@chla.usc.edu]  
**Sent:** Monday, April 27, 2020 1:47 PM  
**To:** Pogossian, Ani  
**Subject:** FW: KidsX Accelerator Participation - Orlando Health Arnold Palmer Hospital for Children

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See below.

**Omkar Kulkarni, MPH**  
Chief Innovation Officer  
Children's Hospital Los Angeles

CHLA Innovation Studio  
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Connect on Social: @opk\_innovation

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*Innovation = Implementing new ideas that add value*

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**From:** "Schmidt, Michael J." <Michael.Schmidt@orlandohealth.com>  
**Date:** Monday, April 27, 2020 at 1:41 PM  
**To:** Omkar Kulkarni <okulkarni@chla.usc.edu>  
**Subject:** KidsX Accelerator Participation - Orlando Health Arnold Palmer Hospital for Children (EXTERNAL EMAIL)

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This email came from outside CHLA. Do not open attachments, click on links, or respond unless you expected this message and recognize the email address: Michael.Schmidt@orlandohealth.com.

To whom it may concern,

This email is to communicate that [Orlando Health Arnold Palmer Hospital for Children](#), based in Orlando, FL, will be participating in the inaugural KidsX Accelerator program. As a leading children's hospital we are excited and honored to be a part of this program. We welcome the chance to collaboratively address gaps and opportunities in the pediatric market. Our goal is to provide meaningful feedback, mentorship and pilot opportunities to the startups that are chosen to participate in the program. Our hope is to be able to offer at least one pilot or trial period at our hospital(s). Additionally, Orlando Health has a dedicated Venture Fund for direct investing in healthcare startups. We will be reviewing any companies that we like for investment purposes as well.

Our team has identified 5 clinicians and administrators from Arnold Palmer Hospital who will participate, as well as myself and our CMIO from the parent hospital system, Orlando Health. Our workgroup members are listed below.

- Antwan Williams, Administrator
- Dr. Michael Farias, Pediatric Cardiologist
- Allison Rein, Pediatric Child Life Specialist
- Joanna Wallace, Pediatric Physical Therapist
- Dr. Jose Ramirez, Pediatric Nephrologist
- Dr. Marshall Denkinger, Chief Medical Information & Innovation Officer – Orlando Health
- Michael Schmidt, Managing Director, Strategic Innovations– Orlando Health

If you have any further questions, please let me know.

Thank you,

--

**Michael Schmidt**

Managing Director, Strategic Innovations

**ORLANDO HEALTH**

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Tel: 321.843.7016

Cell: 407.790.9151

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