ANNUAL REPORT FY 2018
ADVANCING RESEARCH IN MATERNAL AND CHILD HEALTH
MOBILIZING STANFORD DISCOVERIES & EXPERTISE TO LAUNCH HEALTHIER LIVES

The Child Health Research Institute (CHRI) accelerates Stanford discoveries to improve the health of pregnant women and children by fostering transdisciplinary research in the pre-clinical, clinical, and basic sciences.

STRATEGIC GOALS

- Trigger innovative research to make transformational discoveries.
- Marshall all disciplines at Stanford to improve the health of expectant mothers and children.
- Accelerate the translation of our discoveries into action.
- Expand the number of future leaders in maternal and child health.
- Play a leadership role locally and globally to promote maternal and child health.

OUR COMMUNITY
FY18 CHRI Membership by Department

- Pediatrics: 13%
- Medicine: 13%
- Other Depts.: 10%
- Basic Science Depts.: 7%
- Psychiatry & Behavioral Sciences: 7%
- Neurosurgery & Neurology Depts.: 7%
- Humanities & Sciences Depts.: 5%
- Radiology: 5%
- Pathology: 5%
- Surgery: 4%
- Engineering Depts.: 4%
- Obstetrics & Gynecology: 3%
- Anesthesiology: 3%
- Other Depts.: 2%

N = 549 Members

FUNDING OVERVIEW
FY18 Total Awarded Funding by Department

- Pediatrics: 68%
- Psychology: 1%
- Surgery: 1%
- Neurosurgery & Neurology Depts.: 1%
- Psychiatry & Behavioral Sciences: 1%
- Medicine: 6%
- Other Depts.: 8%
- Chemical Engineering: 2%
- Other Depts.: 4%

N = $8,758,508

Toni Bird Photography courtesy of the Lucile Packard Foundation for Children’s Health
Awarded 111 new grants for maternal and child health research across the University, for a total of $8,758,508

Created an Education Committee, launching the popular CHRI SEMINAR SERIES providing collaboration and networking opportunities with ‘hot’ topics in maternal and child health.

Sponsored Partnerships with Global Child Health Equity Seed Grant Program, Suicide Prevention Through Outreach Grant Program, the Stanford Byers Center for Bodesign Faculty Fellowship, and Stanford Diabetes Research Center Pilot and Feasibility Seed Grants.

Increased funding for the Postdoctoral Support Program to $2.4M ANNUALLY providing $150K in salary support over two years to each recipient.

Drew nearly 400 participants to the Childx conference, titled “The Junction of Science, Medicine, Public Policy, and Health Care Delivery” chaired by Drs. Heidi Feldman and David Cornfield.

Sponsored 7 early-career investigators to courses hosted by the Eureka Institute for Translational Medicine, a CHRI partner that builds, mentors, and trains an international cadre of leaders in translational medicine.

Boosted membership by more than 20% with expansion of membership to Clinician Educators and Instructors, totaling 540+ MEMBERS.

16,640 HOURS of clinical research support were provided to Stanford Investigators on 124 research studies.

Provided critical biostatistical support leading to submission of 17 NIH GRANTS through partnership with Quantitative Sciences Unit.

Formed the Clinical Research Informatics Working Group in partnership with Stanford Children’s Health, the first joint SoM hospital forum to tackle challenges in clinical research informatics.

Established 10 stable panels with 78 reviewers who re-review all CHRI-adjudicated programs; initiated an annual honorarium to scientific reviewers for their service.
GRANTS AND FUNDING AWARDS

Faculty Scholars
$100K/Year for 3 to 5 Years

Program Co-Chairs
• Harvey Cohen, MD - Professor, Pediatrics
• David K. Stevenson, MD - Professor, Pediatrics

Kara Davis, MD
Anne T. and Robert M. Bass Endowed Faculty Scholar in Pediatric Cancer and Blood Diseases (2018-2023)
Assistant Professor of Pediatrics (Hematology & Oncology)
Study Title: Relapse Prediction and Mechanism of Drug Resistance of Acute Lymphoblastic Leukemia

Elizabeth Egan, MD, PhD
The Tashia and John Morgridge Endowed Faculty Scholar in Pediatric Translational Medicine (2018-2023)
Assistant Professor of Pediatrics (Infectious Diseases)
Study Title: Investigating Novel Host Erythrocyte Determinants of Malaria Infection

Irene Loe, MD
Akiko Yamazaki and Jerry Yang Faculty Scholar in Pediatric Translational Medicine (2018-2023)
Assistant Professor of Pediatrics (Developmental Behavioral Pediatrics)
Study Title: Promoting Growth Mindset: A School-Based Intervention Targeting Health, Behavior, and Learning in Underserved Communities

Anisha Patel, MD
Arlene and Pete Harman Faculty Scholar (2018-2021)
Associate Professor of Pediatrics (General Pediatrics)
Study Title: Assessing the Cost of Water First: A School-Based Water Intervention to Prevent Childhood Obesity

Avnesh Thakor, MD, PhD
Akiko Yamazaki and Jerry Yang Faculty Scholar in Pediatric Translational Medicine (2018-2023)
Assistant Professor of Radiology (Pediatric Radiology)
Study Title: A Novel Approach for Treating Diabetes Using Pulsed Focused Ultrasound and Intra-Arterial Delivery of Mesenchymal Stem Cells, and their Associated Exosomes, Directly into the Pancreas

Yang Sun, MD, PhD
Laurie Kraus Jacob Faculty Scholar in Pediatric Translational Medicine (2018-2023)
Associate Professor of Ophthalmology
Study Title: Repurposing Drug to Treat Oculocerebral Renal Syndrome Lowe

Transdisciplinary Initiatives Program
$100K/Year for 2 Years

Study Title: Small Molecules to Inhibit CREB: CBP Interaction for Treatment of Childhood Acute leukemia
PI: Kathleen Sakamoto, MD, PhD, School of Medicine (Pediatrics)
Co-PIs: Soichi Wakatsuki, MD, PhD, SLAC National Accelerator Laboratory; Ron Dror, PhD, School of Engineering (Computer Science); Chaitan Khosla, PhD, School of Engineering (Chemical Engineering and Chemistry)

Study Title: Low-Cost Volumetric Ultrasound Body Scanner for Pediatric Patients: Complete Abdominal 3D Imaging Without Radiation
PI: Jeremy Dahl, PhD, School of Medicine, Radiology; Co-PIs: Boris Murmann, PhD, School of Engineering (Electrical Engineering); Sebastian Thrun, PhD, School of Engineering (Electrical Engineering); Biondo Biondi, PhD, School of Earth, Energy & Environmental Sciences (Geophysics); Co-Is: Safwan Halabi, MD, School of Medicine (Radiology); Carl Herickhoff, PhD, School of Medicine (Radiology)

Study Title: Innovative Phenotyping and Theratyping of Newborns with Cystic Fibrosis
PI: Carlos Milla, MD, School of Medicine (Pediatrics); Co-PIs: Jeffrey Wine, PhD, School of Humanities & Sciences (Psychology); Ron Kopito, PhD, School of Humanities & Sciences (Biology)

Study Title: Development of a 3D Model for Human Placental Development to Improve Maternal and Child Health
Co-PIs: Alexander Dunn, PhD, School of Engineering (Chemical Engineering); Katherine Blanco, MD, School of Medicine (Obstetrics & Gynecology); Co-Is: Roger Pedersen, PhD, School of Medicine (Obstetrics & Gynecology); Virginia Winn, MD, PhD, School of Medicine (Obstetrics & Gynecology); Ruth Lathi, MD, School of Medicine (Obstetrics & Gynecology); Vittorio Sebastiano, PhD, School of Medicine (Obstetrics & Gynecology)

Clinical (MD) Trainee
100% Salary & Benefits Support for Up to 2 Years

Program Co-Chairs
• Daniel Bernstein, MD - Professor, Pediatrics
• Gerald Grant, MD, FACS - Professor, Neurosurgery

Ananta Addala, DO, MPH
Ernest and Amelia Gallo Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Endocrinology & Diabetes)
Study Title: The Gatekeeper Study: Assessing and Addressing Provider Implicit Bias and its Impact on diabetes Technology Usage

Yair Bannett, MD
Charles B. Woodruff Endowed Fellow
Clinical Fellow, Pediatrics (Developmental Behavioral Pediatrics)
Study Title: Management of Developmental and Behavioral Conditions in Primary Care: Objective Measures of Variation
Recipients of CHRI Support

Rajdeep Pooni, MD
Tashia and John Morgridge Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Allergy, Immunology & Rheumatology)
Study Title: Evaluating the Impact of an Interactive Secure Messaging Platform on Transition Readiness in Pediatric Rheumatology Patients

Jessica Saarela, DO
Elizabeth and Russell Siegelman Postdoctoral Fellow
Clinical Fellow, Pediatrics (Gastroenterology)
Study Title: Characterizing CD8+ T-cell Mediated Liver Injury in Pediatric Indeterminate Acute Liver Failure

Rebecca Saenz, MD, PhD
Tashia and John Morgridge Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Allergy, Immunology & Rheumatology)
Study Title: Role of ATM in Human Peripheral T-Cell Survival and Function

Christopher Severyn, MD, PhD, FAAP
Pete and Arline Harman Fellow
Clinical Fellow, Pediatrics (Hematology & Oncology)
Study Title: Influence of the Microbiome on Hematology/Oncology Patients in Order to Improve Outcomes

Melissa Shah, MD, MPH
Stephen Bechtel Endowed Postdoctoral Fellow
Clinical Fellow, Medicine (Infectious Diseases & Geographic Medicine)
Study Title: Malaria and Arbovirus Co-Infections in Kenyan Children

Danielle Shin, MD, PhD
Rosa A. Wann and Marjorie Shannon Fellow
Clinical Fellow, Pediatrics (Hematology & Oncology)
Study Title: Preleukemic Stem Cells and Clonal Evolution in Pediatric AMI

Vaka K. Sigurjonsdottir, MD
Ernest and Amelia Gallo Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Gastroenterology)
Study Title: Contrast-Enhanced Ultrasound (CEUS) in Pediatric Crohn's Disease: A Stratified Reliability Study Comparing CEUS to Magnetic Resonance Imaging (MRI) in Evaluating Small Bowel Disease

$3.3 MILLION
AWARDED TO 44 CLINICAL FELLOWS, POSTDOCS, AND MASTER’S STUDENTS

Julia Chandler, MD, MS
Ernest and Amelia Gallo Endowed Postdoctoral Fellow
Clinical Fellow, Medicine (General Surgery)
Study Title: Improving Care for Pediatric Trauma patients: Screening and Secondary Prevention for Post-Traumatic Stress

Kevin Chi, MD
Elizabeth and Russell Siegelman Postdoctoral Fellow
Clinical Fellow, Pediatrics (Hospital Medicine)
Study Title: Parental Perspectives on Pulse Oximeter use in Bronchiolitis Hospitalizations: A Family-Centered Approach to Minimizing Overtreatment of Hyoxemia

Kathleen Collins, MD
Pete and Arline Harman Fellow
Clinical Fellow, Pediatrics (Allergy, Immunology & Rheumatology)
Study Title: Injection Fear in Juvenile Idiopathic Arthritis Patients Using Injectable Medications

Sarah Dubner, MD
Tashia and John Morgridge Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Developmental Behavioral Pediatrics)
Study Title: Inflammation, White matter Microstructure, and Neurodevelopmental Outcomes in Preterm Infants

Maria de Lourdes Eguiguren Jimenez, MD
Pete and Arline Harman Fellow
Clinical Fellow, Pediatrics (Infectious Diseases)
Study Title: Epidemiology of Antifungal Utilization in Hospitalized Children with Cancer

Eric Hamberger, MD
Elizabeth and Russell Siegelman Postdoctoral Fellow
Clinical Fellow, Pediatrics (Pulmonary Medicine & Cystic Fibrosis)
Study Title: Lung Health Risk Behaviors and perceptions in Adolescents with Cystic Fibrosis

Anne McHugh, MD
Stephen Bechtel Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Allergy, Immunology & Rheumatology)
Study Title: Prevalence of Behavioral Problems in patients with Juvenile Spondyloarthritis

Kiran Mudambi, MD
Ernest and Amelia Gallo Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Infectious Diseases)
Study Title: Evaluating the Impact of an Interactive Secure Messaging Platform on Transition Readiness in Pediatric Rheumatology Patients

Stephanie Smith, MD, MPH
Rosa A. Wann and Marjorie Shannon Fellow
Clinical Fellow, Pediatrics (Hematology & Oncology)
Study Title: SPOTT: Stanford pediatric Oncology Targeted Therapy Cohort

That Nam Tran (Sony) Ton, MD
Marion and Jack Euphrat Pediatric Translational Medicine Fellow
Clinical Fellow, Pediatrics (Nephrology)
Study Title: Using a Novel Dynamic Assessment of Renal Function to Predict Acute Kidney Injury in Children
Postdoctoral Support
Up to $75K/Year for 2 Years

Program Panel Chairs
- Jeffrey A. Feinstein, MD, MPH - Professor, Pediatrics
- Julien Sage, PhD - Professor, Pediatrics
- Kathleen Sakamoto, MD, PhD - Professor, Pediatrics
- Hsi-Yang Wu, MD - Associate Professor, Urology

Brandon Cieniewicz, PhD
Postdoctoral Fellow, Pediatrics (Stem Cell Transplantation)
Study Title: Understanding Type 1 T Regulatory Cell (Tr1) Recognition and Killing of Acute Myeloid Leukemia

Ann Collier, PhD
Postdoctoral Fellow, Dermatology (Epithelia Biology)
Study Title: Mechanisms of Chromatin Remodeling During Epithelial Development

Taylor Kathryn Johnson, PhD
Postdoctoral Fellow, Chemical & Systems Biology
Study Title: Mechanistic Studies and Pharmacological inhibition of Oncogenic ARHGAP36 Activity

Amy Krystosik, MPH, PhD
Postdoctoral Fellow, Pediatrics (Infectious Disease)
Study Title: The use of Spatial Video Geonarratives to Describe Localized Environmental Risk Patterns for Arboviral Transmission in Urban Kenya

Stephanie Leonard, PhD
Postdoctoral Fellow, Pediatrics (Neonatal & Developmental Medicine)
Study Title: Understanding Severe Maternal Morbidity: Predictors and Trends

Jie Li, PhD
Postdoctoral Fellow, Neurosurgery
Study Title: Bridging the Gap in Fragile-X Syndrome Research: Experience-Dependent Alteration in Synaptic and Cognitive Function

Jeff Mao-Hwa Liu, PhD
Postdoctoral Fellow, Pediatrics (Stem Cell Transplantation)
Study Title: Comparing In Vivo Efficacy of Novel Subsets and Optimizing Production of Engineered Type-1 Regulatory Cells for Treatment of Graft-Versus-Host Disease

Berencie Mbiribindi, PhD
Postdoctoral Fellow, Surgery (Transplant)
Study Title: NK Cell Recognition of Peptides Encoded by EBV Latent Cycle Proteins

Karma McKelvey, MD, PhD
Postdoctoral Fellow, Pediatrics (Adolescent Medicine)
Study Title: Evaluation of Tobacco Prevention Toolkit 10 Session Curriculum

Christian Ngouadjio Nguetse, PhD
Postdoctoral Fellow, Pediatrics (Infectious Diseases)
Study Title: Genetic Variation in Erythrocyte Receptors for Plasmodium Falciparum Invasion and Severe Malaria

Krista Sigurdson, PhD
Postdoctoral Fellow, Pediatrics (Neonatal & Developmental Medicine)
Study Title: Developing Measures for Family-Centered Care in the NICU

Gavin Daniel Tempest, PhD
Postdoctoral Fellow, Psychiatry & Behavioral Sciences
Study Title: Moving Towards the Use of Exercise to Manage Symptoms of Attention Deficit/Hyperactivity Disorder

Katie Sassandra Walter, PhD
Postdoctoral Fellow, Infectious Diseases
Study Title: Reconstructing the Spread of Oral Polio Virus Vaccine in Mexican Communities

Mark C. Wilkes, PhD
Postdoctoral Fellow, Pediatrics (Hematology & Oncology)
Study Title: SA TB1 Regulation in Erythropoiesis and the Pathogenesis of Diamond Blackfan Anemia

Pilot Grant Programs
Program Co-Chairs
- Paul C. Grimm, MD - Professor, Pediatrics
- Gary M. Shaw, DrPH - Professor, Pediatrics

New Idea Grants
$35K for 1 Year

Kanwaljeet S. Anand, MBBS, DPhil
Professor, Pediatrics (Critical Care Medicine) and Anesthesiology, Perioperative & Pain Medicine
Study Title: Biomarkers of Risk and Resilience in Preschool Children

Rosa Bacchetta, MD
Associate Professor, Pediatrics (Stem Cell Transplantation)
Study Title: Applying CyTOF to Dissect Autoimmunity in Pediatric Patients with Primary Immunodeficiencies

Daniel Bernstein, MD
Professor, Pediatrics (Cardiology)
Study Title: Identifying the Mechanisms of Stress-Induced Mitochondrial Hyperpolarization

Ian H. Gotlib, MD, PhD
Professor, Psychology
Study Title: Neural Foundations of Maternal Emotion Regulation: Examining a Risk Factor for Child Maltreatment

Kathleen Sakamoto, MD, PhD
Professor, Pediatrics (Hematology & Oncology)
Study Title: Molecular Characterization of RSK in Acute Myeloid Leukemia

"By increasing support for our Postdoctoral Support Program, we expand the breadth and depth of our commitment across both clinical and non-clinical departments here at Stanford. CHRI awardees and their mentors now have additional means to tackle challenging scientific questions and potentially translate their discoveries into action."

Anthony Oro, MD, PhD
CHRI Co-Director
Recipients of CHRI Support

Virginia Winn, MD, PhD
Associate Professor, Obstetrics & Gynecology (Reproductive, Stem Cell & Perinatal Biology)
Study Title: Early Prediction of Preeclampsia via Machine Learning

Early Career Grants
$35K for 1 Year

Bereketeab Haileselassie, MD, MHS
Instructor, Pediatrics (Critical Care)
Study Title: The Role of Altered Mitochondrial Dynamics in Sepsis-Induced Myocardial Dysfunction (SIMD)

Juliet Knowles, MD
Instructor, Neurology & Neurological Sciences
Study Title: Cause and Functional Impact of Abnormal Myeline in Absence of Epilepsy

Daniel Tawfik, MD, PhD
Instructor, Pediatrics (Critical Care)
Study Title: Development of an Adjusted Nurse Staffing Metric in the Neonatal Intensive Care Unit

Xinming Tong, PhD
Instructor, Orthopedic Surgery
Study Title: Biological Repair of Orofacial Clefts Using Stem Cells and Sliding Hydrogels

Clinician Educator
$35K for 1 Year

Program Co-Chairs
• Bertil Glader, MD, PhD - Professor, Pediatrics
• Deirdre J. Lyell, MD - Professor, Obstetrics & Gynecology

Jennifer Frankovich, MS, MD
Clinical Associate Professor, Pediatrics (Rheumatology)
Study Title: Defining KIR and HLA Class I Genotypes at Highest Resolution via High-throughput Sequencing in Caucasian Patients with PANS and Caucasian Controls

Anita Kishore, MD
Clinical Associate Professor, Psychiatry (Child & Adolescent Psychiatry)
Study Title: Examining the Impact of Outdoor Psychiatric Treatment on Anxiety and Affective Response

Shiraz Maskatia, MD
Clinical Assistant Professor, Pediatrics (Pediatric Cardiology)
Study Title: Limited Cardiac MRI vs Echocardiography to Assess Systolic Function in Duchenne Muscular Dystrophy

Annette Nasr, RN, PhD
Clinical Associate Professor, Pediatrics (Gastroenterology)
Study Title: Understanding the Long-Term Relationship of the Parental Live Liver Donor and the Adolescent Young Adult Dyad

Meera Sankar, MD
Clinical Associate Professor, Pediatrics (Neonatal & Developmental Medicine)
Study Title: Barriers to Optimal Breast Milk Provision and Successful Breastfeeding in the NICU Setting

Melissa Scala, MD
Clinical Assistant Professor, Pediatrics (Neonatal & Developmental Medicine)
Study Title: The Starling Study: Evaluation of a Novel Device for Characterizing the Language Environment of the NICU

Bridge Support
Up to $100K for 1 Year
$50K from CHRI, $50K Cost Share from Department

Program Chair
Anthony Oro, MD, PhD - Professor, Dermatology

Manisha Desai, PhD
Professor, Medicine (Center for Biomedical Informatics Research) and Biomedical Data Science
Study Title: Novel Statistical Methods for Analysis of Accelerometer Data: Improving Estimates of Children’s Physical Activity, Sedentary Behavior and Sleep in Free-Living Settings

Desiree LaBeaud, MD
Associate Professor, Pediatrics (Infectious Diseases)
Study Title: Disentangling the Human Vector Relationship to Disrupt Dengue and Chikungunya Transmission in Kenya

Julie Parsonnet, MD
Professor, Medicine (Infectious Diseases) and Health Research & Policy (Epidemiology)
Study Title: A Birth Cohort for Understanding Environmental Influences on Infant Immunity and Health

Master’s Tuition
Full Tuition & Fees Coverage

Devika Bhushan, MD
Clinical Fellow, Pediatrics (General Pediatrics)
Master Student in Health Research & Policy

Gregory Goldstein, MD
Clinical Fellow, Pediatrics (Neonatal & Developmental Medicine)
Master Student in Health Research & Policy

That Nam Tran (Sony) Ton, MD
Clinical Fellow, Pediatrics (Nephrology)
Master Student in Health Research & Policy

Rajdeep Pooni, MD
Clinical Fellow, Pediatrics (Rheumatology)
Master Student in Health Research & Policy
The Eureka course taught me to engage with the end game in science, which is a long-term vision rather than a vision for a specific research study or project. Engaging with this end-game has helped me realize the true potential and impact of the work we must do to meet the unmet needs of our patients.

Manpreet Singh, MD
2018 Eureka Participant
The CHRI partners with several Stanford centers and institutes, including the Global Child Health Equity Seed Grant Program, to sponsor projects that aim to improve the health of pregnant women and children locally and globally.

**Recipients of CHRI Support**

**Matthew Porteus, MD, PhD**  
Associate Professor, Pediatrics (Stem Cell Transplantation)  
Study Title: (YR 2) Genome Edited Airway Stem Cells as a Durable Cell-Based Therapy to Treat Cystic Fibrosis

**Robert M. Waymouth, PhD**  
Professor, Chemistry  
Study Title: CART S: New Materials Enable a New Platform Technology for Gene Delivery, Vaccinations, and Cancer Immunotherapy

**Stanford Byers Center for Biodesign Faculty Fellowship**

**Scott Hoffinger, MD**  
Clinical Professor, Orthopedic Surgery  
Project concept: A way to diagnose compartment syndrome in the extremities before irreversible tissue damage occurs, with accuracy sufficient to prevent the need for prophylactic fasciotomy.

**Wui Ip, MD**  
Clinical Instructor, Pediatrics  
Project concept: A way to maintain peripheral vascular access in hospitalized patients to minimize its failure.

**Doff McElhinney, MD**  
Professor, Cardiothoracic Surgery and Pediatrics (Cardiology)  
Project concept: A way to mitigate the physiologic consequences of functional tricuspid regurgitation in patients with this condition to provide symptom improvement.

**Priya Prahalad, MD, PhD**  
Clinical Assistant Professor, Pediatrics (Endocrinology & Diabetes)  
Project concept: A way to deliver timely, accurate medical advice to patients/caregivers to decrease unnecessary ED and urgent care visits.

**Thomas Robinson, MPH, MD**  
Professor, Pediatrics (General Pediatrics) and Medicine (Stanford Prevention Research Center)  
Project concept: A way to make effective behavioral weight control more scalable and cost-effective for overweight children in order to reduce children’s obesity-related morbidities.

**Avnesh Thakor, MD, PhD**  
Assistant Professor, Radiology (Pediatrics Radiology)  
Project concept: A way to self-screen for cervical cancer in women aged 21-65 in order to improve screening compliance according to national guidelines.

**Stanford Diabetes Research Center Pilot and Feasibility Seed Grant**

**Eric A. Appel, PhD**  
Assistant Professor, Materials Science & Engineering  
Co-Is: Bruce Buckingham, MD, Pediatrics; David Maahs, MD, PhD; Pediatrics  
Study Title: Novel Ultra-fast Insulin Formulations for Diabetes Treatment

**H. Tom Soh, PhD**  
Professor, Electrical Engineering and Radiology  
Pil: Amani Hariri, PhD, Electrical Engineering and Radiology; ChEM-H Institute; Collaborators: Jelena Vuckovic, PhD, Electrical Engineering; Seung Kim, MD, PhD, Developmental Biology  
Study Title: Real-time Biosensor for Continuous in Vivo Detection of Glucose

**Suicide Prevention Through Outreach Grant Program**

**Study Title: Understanding Silicon Valley Transitional-Aged Male Youth (USV-TAMY)**  
Pils: Aparna Atluru, MD, Psychiatry & Behavioral Sciences (Child & Adolescent Psychiatry & Child Development) and Shelly Tran, MD, Psychiatry & Behavioral Sciences (Child & Adolescent Psychiatry & Child Development)  
Study Title: Sleep Disturbances as a Proposed Biomarker and Emergency Department (ED) Target: A Comprehensive Screening to Enhance Access to Care in the Prevention of Youth Suicide  
Pil: Rebecca A. Bernert, PhD, Assistant Professor, Psychiatry & Behavioral Sciences  
Study Title: Smartphone Data Identification of Suicidality in Young Men with Bipolar Disorder  
Pils: Anda Gershon, PhD, Instructor, Psychiatry & Behavioral Sciences (Child & Adolescent Psychiatry & Child Development); Shefali Miller, MD, Psychiatry & Behavioral Sciences; Katarzyna Wac, PhD  
Study Title: Building Bridges to Adolescent Wellness by Promoting Healthy Media Portrayals  
Pil: Shashank V. Joshi, MD, Associate Professor, Psychiatry & Behavioral Sciences (Child & Adolescent Psychiatry & Child Development) and, by courtesy, of Pediatrics (Operations) and of Graduate School of Education
CHRI Leadership

Governing Board

Cynthia J. Brandt, PhD
CEO and President, Lucile Packard Foundation for Children’s Health

Jeff Chambers
Chair of Governing Board and Chair of Board of Directors, Lucile Packard Children’s Hospital Stanford

James Dunn, MD, PhD
Surgeon-in-Chief, Lucile Packard Children’s Hospital Stanford; Professor of Surgery (Pediatric Surgery) and, by courtesy, of Bioengineering

Michelle Monje-Deisseroth, MD, PhD
Associate Professor of Neurology & Neurological Sciences, and, by courtesy, of Neurosurgery, of Pediatrics (Operations), of Pathology, and of Psychiatry & Behavioral Sciences

James Dunn, MD, PhD
Surgeon-in-Chief, Lucile Packard Children’s Hospital Stanford; Professor of Surgery (Pediatric Surgery) and, by courtesy, of Bioengineering

Jeff Chambers
Chair of Governing Board and Chair of Board of Directors, Lucile Packard Children’s Hospital Stanford

James Dunn, MD, PhD
Surgeon-in-Chief, Lucile Packard Children’s Hospital Stanford; Professor of Surgery (Pediatric Surgery) and, by courtesy, of Bioengineering

Mary Leonard, MD, MSCE
Director, Stanford Child Health Research Institute; Professor and Chair of Pediatrics, Stanford School of Medicine; Physician-In-Chief, Lucile Packard Children’s Hospital Stanford

John Lillie
Board of Directors, Lucile Packard Children’s Hospital Stanford

Dennis P. Lund, MD
Interim CEO and CMO, Lucile Packard Children’s Hospital Stanford; Professor of Surgery, Lucile Packard Children’s Hospital Stanford; Associate Dean of the Faculty for Pediatrics & Obstetrics, Stanford School of Medicine

Lloyd B. Minor, MD
Dean, Stanford School of Medicine; Professor of Otolaryngology (Head & Neck Surgery)

David K. Stevenson, MD
Co-Director, Stanford Child Health Research Institute; Professor of Pediatrics (Neonatal & Developmental Medicine)

Executive Committee Leadership

Mary Leonard, MD, MSCE - Director of CHRI

Anthony Oro, MD, PhD - Co-Director of CHRI, Professor of Dermatology

David K. Stevenson, MD - Co-Director of CHRI, Professor of Pediatrics (Neonatal & Developmental Medicine)

Mary M. Chen, MS, MBA - Administrative Director of CHRI, Assistant Dean of Maternal & Child Health Research

James Dunn, MD, PhD
Surgeon-in-Chief, Lucile Packard Children’s Hospital Stanford; Professor of Surgery (Pediatric Surgery) and, by courtesy, of Bioengineering

Michelle Monje-Deisseroth, MD, PhD
Associate Professor of Neurology & Neurological Sciences, and, by courtesy, of Neurosurgery, of Pediatrics (Operations), of Pathology, and of Psychiatry & Behavioral Sciences

Thomas Robinson, MD, MPH
Professor of Pediatrics (General Pediatrics), of Medicine, and, by courtesy, of Health Research & Policy

Kathleen Sakamoto, MD, PhD
Professor of Pediatrics (Hematology & Oncology)

Karl Sylvester, MD
Professor of Surgery (Pediatric Surgery)

Virginia Winn, MD, PhD
Associate Professor of Obstetrics & Gynecology (Reproductive Biology)

Fan Yang, PhD
Associate Professor of Orthopaedic Surgery and of Bioengineering

Education Committee

Anthony Oro, MD, PhD - Chair

Natalia Gomez-Ospina, MD, PhD
Assistant Professor of Pediatrics (Medical Genetics)

Michelle Monje-Deisseroth, MD, PhD
Associate Professor of Neurology & Neurological Sciences

Thomas Robinson, MD, MPH
Professor of Pediatrics (General Pediatrics) and of Medicine

Manpreet Singh, MD, MS
Assistant Professor of Psychiatry & Behavioral Sciences (Child & Adolescent Psychiatry)

Virginia Winn, MD, PhD
Associate Professor of Obstetrics & Gynecology (Reproductive Biology)

Fan Yang, PhD
Associate Professor of Orthopaedic Surgery and of Bioengineering

Meena Kadapakkam, MD
Instructor in Pediatrics (Hematology & Oncology)

Melissa Mavers, MD, PhD
Instructor in Pediatrics (Stem Cell Transplantation)

Trung Pham, MD, PhD
Instructor in Pediatrics (Infectious Diseases)

Many of the projects that have put Stanford at the forefront of pediatric research have been supported through CHRI funding that came directly from philanthropic gifts...[…]...We are deeply grateful for those early CHRI supporters who endorsed this vision and equally grateful for those who are supporting CHRI’s more recent efforts to bring better care to children and mothers.

Brian Perronne
COO and Senior Vice President for Development, LPFCH

Bridge (Fall)

• Many of the projects that have put Stanford at the forefront of pediatric research have been supported through CHRI funding that came directly from philanthropic gifts. [...] We are deeply grateful for those early CHRI supporters who endorsed this vision and equally grateful for those who are supporting CHRI’s more recent efforts to bring better care to children and mothers.

Brian Perronne
COO and Senior Vice President for Development, LPFCH
For information about funding programs and deadlines, visit our website at chri.stanford.edu.