ANNUAL REPORT FY 2019
ADVANCING RESEARCH IN MATERNAL AND CHILD HEALTH

Toni Bird Photography courtesy of the Lucile Packard Foundation for Children's Health
MOBILIZING STANFORD DISCOVERIES & EXPERTISE TO LAUNCH HEALTHIER LIVES
The Stanford Maternal and Child Health Research Institute (MCHRI) accelerates Stanford discoveries to improve the health of pregnant women and children by fostering interdisciplinary research in the pre-clinical, clinical, and basic sciences.

STRATEGIC GOALS
- Focus Stanford’s intellectual talent on solving the greatest health challenges facing expectant mothers and children
- Increase the number of future academic leaders dedicated to these problems
- Accelerate innovative research to make transformational discoveries
- Enable the translation of our discoveries into action
- Promote maternal and pediatric health and well-being, nationally and globally

OUR COMMUNITY
FY19 MCHRI Membership by Department

FUNDING OVERVIEW
FY19 Total Funding Awarded by Department

Toni Bird Photography courtesy of the Lucile Packard Foundation for Children’s Health

Other Depts: Biology, Cardiothoracic Surgery, Cardiovascular Medicine, Dermatology, Earth System Science, Emergency Medicine, Energy Resources Engineering, Graduate School of Education, Law School, Ophthalmology, Orthopaedic Surgery, Otolaryngology Head & Neck Surgery, Photon Science Directorate, Pulmonary, Urology

Other Depts: Baxter Laboratory for Stem Cell Biology, Dermatology, Economics, Orthopaedics, Pathology, Radiology, Stanford Cardiovascular Institute, Surgery
Awarded 110 new grants for maternal and child health research across the University, for a total of $8,465,292.

**HIGHLIGHTS OF 2018-2019**

- **Sponsored new partnerships** with Stanford Women’s Health and Sex Differences in Medicine (WHSDM) and Undiagnosed Diseases Network Seed Grant Program.
- MCHRI membership increased by more than 15% for a total of 641 members.
- Welcomed over 400 participants to the Institute’s INAUGURAL RESEARCH SYMPOSIUM featuring 20 speakers, 127 scientific posters, and a speed-dating session hosted by former Stanford participants of the Eureka Institute for Translational Medicine.
- Established a new funding opportunity, the Instructor K Award Support Program, to provide supplemental support for instructors who have received NIH Career Development (K) awards.
- 16,495 HOURS of clinical research support were provided to Stanford Investigators on 104 research studies.
- Provided critical biostatistical support leading to submission of 14 NIH GRANTS through partnership with Quantitative Sciences Unit.
- Created the Clinical Research Support Office (CRSO) aimed at providing operational, informatics, regulatory, and other needed support for the execution of studies at Stanford Children’s Health (SCH), as well as enhancing research collaboration between the School of Medicine and SCH.
**Faculty Scholars**  
$100K/year for three to five years

- Harvey Cohen, MD - Professor, Pediatrics  
- David K. Stevenson, MD - Professor, Pediatrics

**Rosa Bacchetta, MD**, Anne T. and Robert M. Bass Endowed Faculty Scholar in Pediatric Cancer and Blood Diseases (2019-2024)  
Associate Professor, Pediatrics (Stem Cell Transplantation)  
Study Title: Harnessing FOXP3 Genome Editing Towards Innovative Treatment of IPEX syndrome

**David Hong, MD**, Lucile Packard Foundation for Children’s Health Faculty Scholar (2019-2024)  
Assistant Professor, Psychiatry & Behavioral Sciences (Center for Interdisciplinary Brain Sciences Research)  
Study Title: A Novel Investigation of Sex Steroid Influence on Mood Neuro-circuitry in the Pubertal Period

**Vittorio Sebastiano, PhD**, Woods Family Faculty Scholar in Pediatric Translational Medicine (2019-2024)  
Assistant Professor, Obstetrics & Gynecology (Reproductive Biology)  
Study Title: A Platform to Study and Generate Human Autologous Germ Cells

**Kevin Wang, MD, PhD**, Bechtel Faculty Scholar Awards in Pediatric Translational Medicine (2019-2024)  
Assistant Professor, Dermatology  
Study Title: Interleukin Modulation by Noncoding RNAs as Novel Therapeutic Targets in Preterm Labor

**Keith Van Haren, MD**, Tashia and John Morgridge Endowed Faculty Scholar in Pediatric Translational Medicine (2019-2024)  
Assistant Professor, Neurology & Neurological Sciences and Pediatrics  
Study Title: Assessing the Implications of Early- vs Late-life Vitamin D Exposure on Metabolic Rationing Within the Blood and Brain

**Transdisciplinary Initiatives Program**  
$100K/year for two years

**Project Title: Prenatal Predictors of Child Mental Health: Testing a Neurobiological Model of Children’s Risk for Psychopathology**  
Pl: Ian Gotlib, PhD, The Taube Family Endowed Transdisciplinary Investigator for Maternal Child Health, School of Humanities & Sciences (Psychology); Co-Pl: David K. Stevenson, School of Medicine (Pediatrics)

**Project Title: Reversal of Opioid-Induced Neonatal Cardiac Malformation Using CRISPR-Cas9 Gene Editing**  
Pl: Detlef Obal, MD, PhD, DESA, School of Medicine (Anesthesiology, Perioperative & Pain Medicine); Co-Pl: Joseph C. Wu, MD, PhD, School of Medicine (Medicine); Lei (Stanley) Qi, MA, PhD, Schools of Engineering & Medicine (Bioengineering) and School of Medicine (Chemical & Systems Biology)

**Clinical (MD) Trainee**  
100% salary/benefits support for up to two years

**Valentin Barsan, MD**, Anne T. and Robert M. Bass Endowed Fellow  
Clinical Fellow, Pediatrics (Hematology & Oncology)  
Project Title: Dynamic Personalized Response Assessment to Cancer Immunotherapy Through Next Generation Sequencing

**Chen Chen, MD**, Stanford Maternal & Child Health Research Institute Fellow  
Clinical Fellow, Pediatrics (Hospital Medicine)  
Project Title: Patient and Family Perspectives on Admission from the Emergency Department to Pediatric Inpatient Setting

**Holly C. Cooper, MS, MD**, Pete and Arline Harman Fellow  
Clinical Fellow, Pediatrics (Endocrinology & Metabolism)  
Project Title: Body Composition Changes in Transgender Adolescents After Initiation of Cross-Sex Hormones

**Rebecca Dang, MD**, Ernest and Amelia Gallo Endowed Postdoctoral Fellow  
Clinical Fellow, Pediatrics (Hospital Medicine)  
Project Title: Temperature Measurement and Values at Well-Child Visits

**Eman S. Haidari, MD**, Stanford Maternal & Child Health Research Institute Fellow  
Clinical Fellow, Pediatrics (Neonatology)  
Project Title: An Exploration of NICU Admission Rates

**Alice C. Huang, MD, MBA**, Ernest and Amelia Gallo Endowed Postdoctoral Fellow  
Clinical Fellow, Pediatrics (Gastroenterology, Hepatology, & Nutrition)  
Project Title: Feasibility and Utility of Virtual Reality in the Management of Pediatric Functional Constipation

**Sara G. Kibrom, MD**, Tashia and John Morgridge Endowed Postdoctoral Fellow  
Clinical Fellow, Pediatrics (Nephrology)  
Project Title: Management of Hypertension in Children with Chronic Kidney Disease in Ethiopia
Katelyn M. Saarela, DO
Stanford Maternal & Child Health Research Institute Fellow
Clinical Fellow, Department of Pediatrics, Division of Gastroenterology
Project Title: Characterizing CD8+ T-cell Mediated Liver Injury in Pediatric Indeterminate Acute Liver Failure

Ragini M. Shyam, MD
Tashia and John Morgridge Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Hematology & Oncology)
Project Title: Circulating Tumor DNA in Genetic Profiling and Monitoring of Pediatric Hodgkin Lymphoma

Xin (Cissy) Si, MD
Clinical Fellow, Pediatrics (Pulmonary)
Project Title: Host Immune Response of Non-Tuberculous Mycobacteria Infections in Cystic Fibrosis

Lea Steffes, MD
Ernest and Amelia Gallo Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Pulmonary Medicine)
Project Title: Genomic Analysis of Neointimal Expansion in Pulmonary Arterial Hypertension

Amanda M. Uber, DO
Paul and Yuanbi Ramsay Endowed Fellow
Clinical Fellow, Pediatrics (Nephrology)
Project Title: Urinary Biomarkers to Predict Acute Kidney Injury (AKI) in Pediatric Patients with Sepsis

Walter A. Zegarra, MD
Pete and Arline Harman Fellow
Clinical Fellow, Pediatrics (Endocrinology & Metabolism)
Project Title: Efficacy and Safety of Aromatase Inhibitors for Height Augmentation in Pubertal Boys with Short Stature

Ke-You Zhang, MD
Ernest and Amelia Gallo Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Gastroenterology, Hepatology, & Nutrition)
Project Title: The Effect of Pancreatic Secretions in Chronic Pancreatitis on Duodenal Inflammation and Mucosal Integrity

Postdoctoral Support
Up to $75K/year for two 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

Janet Y. Bang, PhD
Postdoctoral Fellow, Psychology
Project Title: How Do Early Caregiver-Child Interactions Support Long-Term Academic Outcomes in At-Risk Children?
Recipients of MCHRI Support

Adam Raymond Burns, PhD
Postdoctoral Fellow, Infectious Diseases
Project Title: The Role of Microbial Dispersal and Disturbance in the Assembly of Newborn Microbiomes in Neonatal Intensive Care Units

Hyesang Chang, PhD
Postdoctoral Fellow, Psychiatry & Behavioral Sciences
Project Title: Cognitive Training-Induced Plasticity of Brain Circuits in Children with Learning Disabilities

Kathleen Whittle Dantzler, PhD
Postdoctoral Fellow, Medicine (Infectious Disease)
Project Title: Mechanisms driving T cell and monocyte dysfunction during recurrent malaria and impact on adaptive immune responses

Debopam Ghosh, PhD
Postdoctoral Fellow, Pediatrics (Human Gene Therapy)
Project Title: MHC Class-II Molecule H2-M Affects the Development and Function of B-1 Cells

Lauren Charlotte Heathcote, MSc, PhD
Postdoctoral Fellow, Anesthesia
Project Title: Living with Uncertainty: A Mixed-Methods Study of Symptom Perception After Pediatric Cancer

Efthymia Iliana Matthaiou, PhD
Postdoctoral Fellow, Medicine (Pulmonary & Critical Care)
Project Title: Cystic Fibrosis-Related Innate Immunity Defects Increase the Risk Of Aspergillus Fumigatus Infection After Pediatric Lung Transplantation

Monica Mendes Kangussu Marcolino, PhD
Postdoctoral Fellow, Medicine (Infectious Diseases)
Project Title: Novel Therapies for Lethal Parasitic Diseases of Children: Validation of Drug Target in Entamoeba Histolytica and Naegleria Fowleri

Noga Or-Geva, PhD
Postdoctoral Fellow, Neurology & Neurological Sciences
Project Title: Interrogating the Role of the Neuro-Immune Axis in Pediatric Acute-Onset Neuropsychiatric Syndrome

Omer Revah, DVM, PhD
Postdoctoral Fellow, Psychiatry & Behavioral Sciences (Sleep Medicine)
Project Title: Functional Integration into the Rodent Cortex Of Human Stem Cell Derived 3D Cortical Spheroids to Model Neurodevelopmental Disorders

Jolanda Sarno, PhD
Postdoctoral Fellow, Pediatrics (Hematology & Oncology)
Project Title: Single-Cell Analysis of Treatment Failure in Childhood Acute Lymphoblastic Leukemia

Li-av Segev Zarko, PhD
Postdoctoral Fellow, Microbiology & Immunology
Project Title: Taking Charge: How an Important Fetal Pathogen Introduces the Proteins It Uses to Invade and Take Control of Human Cells

Deepa Sengupta, PhD
Postdoctoral Fellow, Biology
Project Title: Role of the Epigenetic Mutagen NSD2 in Driving Pediatric ALL

Inge Timmers, PhD
Postdoctoral Fellow, Anesthesiology, Perioperative & Pain Medicine
Project Title: Scanning Circles of Pain Engagement (SCOPE): A Brain Imaging Study of Parent’s Affective Responses to Observing their Child’s Pain

Jonas D. Van Belleghem, PhD
Postdoctoral Fellow, Medicine (Infectious Diseases & Geographic Medicine)
Project Title: The Prevalence and Impact of Phage Infection in Cystic Fibrosis

Humsa Venkatesh, PhD
Postdoctoral Fellow, Neurology (Neurology)
Project Title: Electrical Integration of Pediatric Gliomas into Neural Circuitry

Elizabeth Wall-Wieler, PhD
Postdoctoral Fellow, Pediatrics (Neonatal & Developmental Medicine)
Project Title: Psychotropic Medication and Ectopic Pregnancy Pilot Grant Programs

$35K for one year

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

New Idea Grants

Alice Bertaina, MD, PhD
Associate Professor, Pediatrics (Stem Cell Transplant & Regenerative Medicine)
Project Title: Transposition of Native Chromatin for Fast And Sensitive Epigenomic Profiling of Open Chromatin, DNA-Binding Proteins and Nucleosome Position (ATAC-seq) in JMML
Yair Blumenfeld, MD  
Associate Professor, Obstetrics and Gynecology (Maternal-Fetal Medicine)  
Project Title: Discovery of New Associations Between Drug-Drug Interactions and Adverse Maternal and Neonatal Pregnancy Outcomes

Ravindra Majeti, MD, PhD  
Professor, Medicine (Hematology)  
Project Title: Pre-Leukemic Hematopoietic Stem Cells in Pediatric Acute Myeloid Leukemia

Sean M. Wu, MD, PhD  
Associate Professor, Medicine (Cardiovascular Medicine)  
Project Title: Preclinical Validation of Ctn2-800: A Novel Optical Imaging Agent to Reduce Intraoperative Damage to the Cardiac Conduction System During Congenital Heart Surgery

Helio Costa, PhD  
Instructor, Pathology  
Project Title: Epigenetic, Transcriptional, and Chromatin Conformation Signature Profiling of a Pediatric Sarcoma Clinical Cohort for Identification of Molecular Biomarkers to Inform Disease Prognosis and Aid in Therapy Selection

Elizabeth S. Egan, MD, PhD  
Assistant Professor, Pediatrics (Infectious Diseases)  
Project Title: Investigating Host Determinants of Malaria Anemia at Single-Cell Resolution

Lucian Custo Greig, MD, PhD  
Instructor, Ophthalmology  
Project Title: Regeneration of Retinal Ganglion Cells from Endogenous Progenitors

Maya Elise Kumar, PhD  
Instructor, Medicine (Pulmonary & Critical Care)  
Project Title: Defining Molecular Mechanisms Driving Neointima Growth in a Mouse Model of Pulmonary Hypertension

Suzanne A. Tharin, PhD, MD  
Assistant Professor, Neurosurgery  
Project Title: Chromatin State Controls Over a Neuron Subtype-Specific Microrna Cluster During Brain Development

Thomas J. Caruso, MD, MEd  
Clinical Associate Professor, Anesthesiology, Perioperative & Pain Medicine (Pediatric Anesthesia)  
Project Title: Bilateral Erector Spinae Blocks for Pediatric Patients undergoing Cardiovascular Surgery - A Prospective, Randomized Trial

Sharon Chen, MD, MPH  
Clinical Assistant Professor, Pediatrics (Pediatric Cardiology)  
Project Title: Outcomes After Strokes in Pediatric Heart Transplant Patients Bridged with Ventricular Assist Devices

Adam R. Frymoyer, MD  
Clinical Assistant Professor, Pediatrics (Neonatal & Developmental Medicine; General Pediatrics)  
Project Title: Individualized Vancomycin Therapy in Children Using Model-Based Dosing

Amy E. Judy, MD, MPH  
Clinical Assistant Professor, Obstetrics & Gynecology (Maternal Fetal Medicine)  
Project Title: Introduction of an Automated Conversational Agent in the Peripartum Setting to Improve Maternal Mental Health

Sruti S. Nadimpalli, MPH, MD  
Clinical Assistant Professor, Pediatrics (Infectious Diseases)  
Project Title: Innate and Adaptive Immune Reconstitution Following Cardiac and Renal Transplantation in Children

Neha Purkey, MD  
Clinical Assistant Professor, Pediatrics (Pediatric Cardiology)  
Project Title: Does Birth Location Impact Outcomes for Neonates with Hypoplastic Left Heart Syndrome in California?

Thalia Robakis, MD, PhD  
Clinical Assistant Professor, Psychiatry & Behavioral Sciences  
Project Title: Maternal Attachment Style in Relation to Parenting Practices and Child Development

Joyce Teng, MD, PhD  
Clinical Professor, Dermatology (Pediatric Dermatology)  
Project Title: Gene Expression Characterization of Lymphatic Malformation Following Treatment

Kali R. Tileston, MD  
Clinical Assistant Professor, Orthopaedic Surgery (Pediatric Orthopaedic Surgery)  
Project Title: The Role of Health Mindset in Adolescents’ Compliance with Brace Wear for Adolescent Idiopathic Scoliosis

Kirsten A. Willar, PhD  
Clinical Instructor, Psychiatry & Behavioral Sciences (Child & Adolescent Psychiatry)  
Project Title: Exploring Outcomes of the PEERS Intervention for Adolescents with Autism Spectrum Disorder

Cynthia J. Campen, MD, MS  
Clinical Associate Professor, Neurology & Neurological Sciences (Child Neurology)  
Project Title: Characterizing White Matter Microstructure of Optic Pathways Gliomas in Children with Neurofibromatosis Type 1
**Bridge Support**
*Up to $100K for one year*
50% support from both MCHRI & awardee’s department

- **Yvonne Maldonado, MD**
  Professor, Pediatrics (Infectious Diseases); Health Research & Policy
  *Project Title: A Genomic Tool for Identifying Pathogenic Circulating Vaccine-Derived Polioviruses*

- **Henry C. Lee, MD**
  Professor, Pediatrics (Neonatal and Developmental Medicine)
  *Project Title: Implementing an Individualized Prediction Tool for Perinatal Birth in Order to Improve Outcomes*

**Instructor K Award Support**
*Up to $50K/Year for up to two Years*
50% support from both MCHRI & awardee’s department

- **Joseph M. Baker, PhD**
  Instructor, Psychiatry & Behavioral Sciences (Interdisc. Brain Sciences)

- **Ahmet Coskun, PhD**
  Instructor, Radiology (Molecular Imaging Program)

- **Siyuan Ding, PhD**
  Instructor, Medicine (Gastroenterology & Hepatology)

- **Tamar Green, MD**
  Instructor, Psychiatry & Behavioral Sciences (Interdisc. Brain Sciences)

- **Mingxia Gu, MD, PhD**
  Instructor, Pediatrics (Cardiology)

- **Bereketeab Haileselassie, MD**
  Instructor, Pediatrics (Critical Care)

- **Tiffany Ho, PhD**
  Instructor, Psychiatry & Behavioral Sciences (Child & Adolescent Psychiatry)

- **Juliet Klasing Knowles, MD, PhD**
  Instructor, Neurology & Neurological Sciences (Child Neurology)

- **Trung Pham, MD, PhD**
  Instructor, Pediatrics (Infectious Diseases)

- **David Vu, MD**
  Instructor, Pediatrics (Infectious Diseases)

**Master’s Tuition Support**
*Full Tuition & Fees Coverage*

- **Yair Bannett, MD**
  Clinical Fellow, Pediatrics (Developmental-Behavioral Pediatrics)

- **Rebecca Dang, MD**
  Clinical Fellow, Pediatrics (Hospital Medicine)

- **Jill Krissberg, MD**
  Clinical Fellow, Pediatrics (Nephrology)

- **Yeon-Kyeong Noh, MD**
  Clinical Fellow, Pediatrics (Neonatal & Developmental Medicine)

**Eureka Institute for Translational Medicine**

**Eureka International Certificate Program**

- **Mingxia Gu, MD, PhD**
  Instructor, Pediatrics (Cardiology)

- **David Hong, MD**
  Assistant Professor, Psychiatry & Behavioral Sciences (Center for Interdisciplinary Brain Sciences Research)

- **Christin Kuo, MD**
  Assistant Professor, Pediatrics (Pulmonary Medicine)

- **Jiangbin Ye, PhD**
  Assistant Professor, Radiation Oncology (Radiation & Cancer Biology)

**Eureka Summer School Course Program**

- **Jeffrey Liu, PhD**
  Postdoctoral Fellow, Pediatrics (Stem Cell Transplantation and Regenerative Medicine)

- **Jennifer Tsai, MD**
  Clinical Fellow, Pediatrics (Hematology & Oncology)

**Eureka Monsoon School Certificate Program**

- **William Goodyear, MD, PhD**
  Postdoctoral Fellow, Pediatrics (Cardiology)

- **Zachary Sellers, MD, PhD**
  Instructor, Pediatrics (Gastroenterology)

- **Elizabeth Wall-Wieler, PhD**
  Postdoctoral Fellow, Pediatrics (Neonatal & Developmental Medicine)
**Global Child Health Program**

**Pascaline Dupas, PhD**  
Associate Professor, Economics  
Team Members: Dedevi S. Marie Christine Apedo Amah, PhD, Stanford Institute for Economic Policy Research; Yao N’dri, CARE International Cote d’Ivoire  
*Project Title: Remote Assistance and Coaching Helpline (REACH): An Innovative Approach to Improving the Quality of Public Healthcare in Rural Cote d’Ivoire with Community Participation*

**Lambertus Hesselink, PhD**  
Professor, Electrical Engineering  
Team Members: Maya Ramachandran, School of Medicine; Ashwini Ramamoorthy, School of Engineering; Anna von Wendorff, School of Earth and Environment  
*Project Title: Scopi Nasoendoscope*

**SPARK**

**William Rowland Goodyer, MD, PhD**  
Postdoctoral Medical Fellow, Pediatrics (Cardiology)  
Co-PIs: Sean Wu, MD, PhD, FACC, Medicine; Eben Rosenthal, MD, Otolaryngology and Radiology  
*Project Title: Cntn2-800: A Novel Optical Imaging Agent to Visualize Cardiac Conduction System in Congenital Heart Surgery*

**David Myung, MD, PhD**  
Assistant Professor, Ophthalmology  
*Project Title: Bioactive Collagen Filler for Sutureless Corneal Tissue Reconstruction After Corneal Injury*

**Kathleen M. Sakamoto, MD, PhD**  
Professor, Pediatrics (Hematology & Oncology)  
*Project Title: Targeting Nemo-like Kinase for the Treatment of Diamond-Blackfan Anemia*

**Peter Luke Santa Maria, MD, PhD**  
Assistant Professor, Otolaryngology  
Co-PIs: Annelise Barron, PhD, Bioengineering; Jennifer Lin  
*Project Title: Synthetic Antimicrobial Peptides for the Treatment of Chronic Suppurative Otitis Media*

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**Stanford Byers Center for Biodesign Faculty Fellowship**

**Thomas A. Anderson, MD, PhD**  
Clinical Associate Professor, Anesthesiology, Perioperative & Pain Medicine

**Sumit Bhargava, MD**  
Clinical Associate Professor, Pediatrics (Pulmonary Medicine)

**Eric Foote, MD**  
Clinical Instructor, Pediatrics

**Louis Halamek, MD**  
Professor, Pediatrics (Neonatal & Developmental Medicine) and by courtesy, of Obstetrics & Gynecology

**David S. Hong, MD**  
Clinical Assistant Professor, Neurosurgery

**Tulio A. Valdez, MD, MSc**  
Associate Professor, Otolaryngology (Head & Neck Surgery)

**Stanford Cardiovascular Institute**

**Helen M. Blau, PhD**  
Professor, Baxter Laboratory for Stem Cell Biology  
*Project Title: Multiparametric Imaging to Study Cellular Dynamics in Duchenne Muscular Dystrophy-Associated Dilated Cardiomyopathy*

**Michael Snyder, PhD**  
Professor, Genetics  
*Project Title: Identification of Metabolic Markers During Early Pregnancy Associated with the Risk of Congenital Heart Defects in the Offspring*

**Undiagnosed Diseases Network**

**Gill Bejerano, PhD**  
Associate Professor, Developmental Biology; Computer Science; Bio-medical Data Science; and Pediatrics (Genetics)  
*Project Title: A Next Generation Computational System for the Diagnosis of Rare Genetic Disease*

**Stephen Montgomery, PhD, Associate Professor, Pathology and Genetics and Maura Ruzhnikov, MD, Clinical Assistant Professor, Neurology & Neurological Sciences and Pediatrics (Medical Genetics)**  
*Project Title: Transcriptomic Profiling to Augment the Diagnosis of Rare Genetics Disorders*

**Holly Tabor, PhD**  
Associate Professor, Medicine (Primary Care and Population Health)  
*Project Title: Experiences and Outcomes of Diverse Participants in the Undiagnosed Diseases Network Population: A Pilot Study*
MCHRI Leadership

Governing Board

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

Jeff Chambers, MBA
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)

Paul A. King
President and CEO, Lucile Packard Children’s Hospital Stanford

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

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

Anthony Oro, MD, PhD
Co-Director, Stanford Maternal & Child Health Research Institute; Professor of Dermatology

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

Executive Committee

Leadership

Mary Leonard, MD, MSCE
Director, Stanford Maternal & Child Health Research Institute

Anthony Oro, MD, PhD
Co-Director, Stanford Maternal & Child Health Research Institute

David K. Stevenson, MD
Co-Director, Stanford Maternal & Child Health Research Institute

Mary M. Chen, MS, MBA
Administrative Director, Stanford Maternal & Child Health Research Institute; Assistant Dean for Maternal & Child Health Research, Stanford School of Medicine

Members

David Cornfield, MD
Professor of Pediatrics (Pulmonary Medicine)

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

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

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

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

Karl Sylvester, MD
Associate Dean, Maternal & Child Health Research, Stanford School of Medicine; 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
Co-Director, Stanford Maternal & Child Health Research Institute

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

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

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

Manpreet K. Singh, MD, MS
Associate 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)
For information about funding programs and deadlines, visit our website at mchri.stanford.edu.