Advancing research to solve the greatest health challenges facing pregnant women and children

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

**MCHRI’s strategic goals are to:**
- 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.

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**FUNDING OVERVIEW**
FY23 Total Funding Awarded by Department/School

- Pediatrics: 9%
- Clinical Science Departments: 11%
- School of Engineering: 5%
- Neurosurgery: 6%
- Medicine (Infectious Diseases): 5%
- Pathology: 5%
- Psychiatry & Behavioral Sciences: 3%
- Other School/Departments: 4%

*$\text{N} = 1,275$ members

- Pediatrics: 28%
- Clinical Science Departments: 20%
- School of Engineering: 11%
- Neurosurgery: 9%
- Medicine: 7%
- Pathology: 6%
- Psychiatry & Behavioral Sciences: 5%
- Other School/Departments: 5%

*$\text{N} = 10,386,792$

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*Other Schools/Departments Include: School of Humanities and Science, Undergraduate Students

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*Other Schools/Departments Include: School of Earth, Energy & Environmental Sciences, Graduate School of Education, Research Centers and Institutes, School of Medicine Dean’s Office, and Undergraduate Students*
Awarded **159 grants** for maternal and child health research across the University, for a total of **$10,386,792**

Provided biostatistical support to **134 projects**, leading to **19 NIH GRANT SUBMISSIONS** through **MCHRI-funded partner, Quantitative Sciences Unit.**

MCHRI membership count **increased by 19%** for a total of: **1275 MEMBERS.**

MCHRI Clinical Research Coordinators supported over **210 studies** in FY23

The **Interprofessional Clinician Program (ICP)** offered two non-faculty staff members at Stanford Medicine Children's Health the opportunity to design, develop and implement a research study that advances and improves patient care and outcomes.

The **Office of Community-Engaged Research (OCEnR)** awarded 8 Community-Engaged Research to Promote Health Equity (CERPHE) Pilot Grants, formerly known as the Structural Racism, Social Injustice, and Health Disparities in Maternal and Child Health Pilot.

The **Clinical Research Support Office** received **75 new clinical and translational research study submissions** through its hospital-wide Clinical Research Intake Portal for Stanford Medicine Children's Health, representing **26 School of Medicine Departments and Divisions.**
MCHRI provides a formal infrastructure through the **Clinical Research Core** that enables, facilitates, and promotes the clinical and translational research efforts of children’s services at Stanford by supporting a variety of research studies and trials.

MCHRI Clinical Research Coordinator Services provides complimentary consultations to review the appropriate level of Clinical Research Coordinator (CRC) support needed for any research project.

Consultation is available to all Principal Investigators (PIs) who conduct maternal or child health research across the Stanford Medicine. **MCHRI Clinical Research Core Services offer multiple models for PIs to hire and onboard CRCs to support their research.**

PIs and Divisions can select one of MCHRI’s hiring models:

- **Hourly Model:** MCHRI CRCs support single or multiple PIs on an hourly basis
- **Part-time Model:** MCHRI CRCs support single or multiple PIs on a part-time basis
- **Full-time Model:** MCHRI hires new CRC who is dedicated to PIs or Division

MCHRI CRCs supported **over 210** studies in FY23 including the following sponsor-types:

- Federal or NIH-funded
- Industry-funded
- PI-initiated (internal grants, foundation)

“The MCHRI clinical research coordinator working with our study has been incredible. The support from MCHRI and ability to quickly find a quality candidate allowed me to get started on my study and focus on the science. I could not be happier”

John Leikauf, MD
Psychiatry and Behavioral Sciences

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**CHILDREN HEART CENTER RESEARCH PROGRAM**

The **Children's Heart Center Clinical and Translational Research Program (CTRP)** offers comprehensive clinical research support tailored to cardiology-related studies at Stanford.

The CTRP plays a vital role in facilitating a wide spectrum of research endeavors, encompassing everything from observational investigations to complex pharmaceuticals and medical device phase III clinical trials.

By providing specialized CRCs and resources, the CTRP provides research support for PIs to continue their advancement of cardiology research and the translation of findings into meaningful clinical applications.
Clinical Research Support Office

The mission of the Clinical Research Support Office (CRSO) is to serve as a resource for physician, nurse, and allied health researchers, along with all hospital departments, service lines, and School of Medicine research teams to enable efficient and compliant conduct of maternal and pediatric clinical research at Stanford Medicine Children’s Health.

CRSO Operations Support:
- Feasibility assessment
- Hospital navigation
- Facilitate connections between Stanford Medicine Children's Health, School of Medicine, and Stanford Health Care
- Research process improvement
- Escalation pathways
- Study budgeting
- Education and training

CRSO Informatics Support:
- Epic builds and research features
- Epic training for research staff
- Remote research monitoring
- Data transfer support
- Electronic medical record integrations
- Cost recovery
- Data vending coordination
- Liaison with School of Medicine Information Technology
MCHRI led Stanford’s joining of PEDSnet in 2021, a multi-site network across 11 institutions that utilizes a common data model to enable a Pediatric Learning Health System that leverages a common governance structure, administrative efficiencies, and logistical, scientific and training resources.

**PEDSnet Highlights:**
- PEDSnet has been awarded a total of $148,948,410 in funding since 2014.
- Since 2014, 132 manuscripts have been published or accepted, including 21 in 2023.
- 19 grant submissions completed in 2023.

**PEDSnet at Stanford FY23 Highlights:**
- Earned approval for the first two Stanford-led PEDSnet studies, one of which is an Agency for Healthcare Research and Quality funded study examining blood transfusions in the ICU.
- Made substantial progress towards the goal of enabling Stanford to serve as the Data Coordinating Center for PEDSnet studies.
- Two Stanford data scientists completed PEDSnet training courses to expand their capabilities using PEDSnet data.
Translational Medicine Services

MCHRI Drug and Device Development (D³) Services aim to advance cutting edge therapies and technologies generated by the Stanford community to benefit the advancement of care for mothers and children.

In FY23, the Drug and Device Development Services:

- Supported 7 research projects designed to evaluate new therapeutics diagnostics, and medical devices.
- Provided regulatory advice for 14 different maternal and child health faculty and/or teams.
- Participated in the submission of 9 grant applications to provide funding for new translational initiatives.

**DRUG AND DEVICE DEVELOPMENT (D³) TRAINING PROGRAM**

The D³ Training Program cultivates skills in the translational medicine field, and in the process, develops clinical researchers with expertise in the development of novel therapeutics, medical devices, and diagnostics for pregnant women and children.

The program offers each trainee a 4-week 'internship' with one of 10 different industry partners, engaging directly with at least one major project team, providing their science education and experience in medical product development.

**D³ FY23 Trainees & Industry Partners**

Chris Arakawa, MD, PhD
Intuitive Surgical

Anna Brzezinski, MD
Intuitive Surgical

Nirk Quispe Calle, MD
Pfizer

Julian Cameron, MD
Edwards Lifesciences

Hamsika Chandrasekar, MD
Bayer

Mindy Lee, MD, PhD
Dexcom

Sean Miller, MD
Abbott Heart Failure

Billy Nguyen, MD
Genentech

Sowmith Rangu, MD
Abbott Heart Failure

Cathy Tsin, MD
Pfizer

Jeffrey Yang, MD
Ionis Pharmaceuticals

Jeffrey Yu, MD
Abbott Diabetes Care
Education and Training

The 5th annual MCHRI Symposium drew a spotlight on Community-Engaged Research - October 2022

400+ Attendees 17 Presenters 75+ Posters

Keynote Session Speakers
Community-Engaged Research:
Nakela Cook, MD, MPH
Executive Director at the Patient-Centered Outcomes Research Institute

Sinsi Hernández-Cancio, JD
Vice President for Health Justice at the National Partnership for Women and Families

Eliseo Pérez-Stable, MD
Director of the National Institute on Minority Health and Health Disparities at the National Institutes of Health

Alonzo Plough, PhD, MPH
Vice President of Research Evaluation-Learning and Chief Science Officer at the Robert Wood Johnson Foundation

Nina Wallerstein, DrPH
MPH, Director of the Center for Participatory Research at the University of New Mexico

Community and Policy Partners:
Cecilia Castro
Deputy Director at Dolores Huerta Foundation

Christina E. Hecht, PhD
Senior Policy Advisor and Academic Coordinator at the University of California, Nutrition Policy Institute, Division of Agriculture & Natural Resources

Heidi Boynton
Executive Director at Jacob’s Heart Children’s Cancer Support Services

Mary Smith
Director of Programs at Jacob’s Heart Children’s Cancer Support Services

Visionary Leadership Award 2022:
Christy Sandborg, MD
Associate Chair of Pediatrics, Stanford University School of Medicine; Director, WellMD Physician Resource Network (PRN) Support; Division of Pediatric Allergy, Immunology, and Rheumatology, Stanford University School of Medicine

Moderated Poster Hall:
The moderated in-person Poster Hall allowed for each accepted poster to have dedicated presentation and Q&A time
Seminar Series

MCHRI hosted 13 hybrid seminars, featuring speakers from across the university and highlighting groundbreaking research and developments.

FY23 topics included:
- Using digital imaging for monitoring skin disease
- How to cure cancer with metabolic therapy
- Fetal and pediatric device development
- Iron deficiency anemia in pregnancy
- Therapeutic genome editing
- Etiology of neuropsychiatric conditions
- Oncogenic pathways provide clue to the etiology of neuropsychiatric conditions

Office of Community-Engaged Research

MCHRI's Office of Community-Engaged Research (OCEnR) aims to promote health equity for maternal and child health populations by supporting community-engaged research initiatives and advancing strong collaborative partnerships between community, academic, and policy entities.

The Office continued to build and strengthen partnerships with synergistic programs across Stanford. To inform programming, the Office mapped relevant resources related to community-engaged research across the university and interviewed MCHRI researchers using a community-engaged research approach in their work.

FY23 Highlights:
- The 2022 MCHRI Symposium highlighted the role of Community-Engaged Research in maternal and child health populations. The Symposium featured presentations from agencies that fund community-engaged research and scholars and organizations known for community-engaged research.
- Received and completed 24 technical assistance requests on community-engaged research that led to numerous successful grant applications.
- Conducted interviews with MCHRI grantees to better understand the best practices, challenges and support needed for conducting community-engaged research. The interview findings are being utilized to inform the future work.
- Led the first gathering of grantees of the Community-Engaged Research to Promote Health Equity pilot awards.
- Mapped community-engaged research resources across Stanford University and developed a resource list.
- Provided trainings on community-engaged research.
- Organized the Healthy Kids, Healthy Families tent for MCHRI partners at Stanford Health Matters 2023.
Diversity, Respect, and Inclusion are Vital for Excellence (DRIVE) in Research Pathway Program

The MCHRI Diversity, Respect, and Inclusion are Vital for Excellence (DRIVE) in Research Pathway Program provides summer research internships to underrepresented minorities and first-generation and/or low income Stanford undergraduate students.

Over the summer, 22 Stanford students were matched with faculty mentors to work full-time on a maternal and child health research project on campus. Students participated in weekly Lunch & Learn lectures with Stanford faculty, plus a wide range of research training and career exploration workshops.

**Student Poster Symposium**
To conclude the internship, DRIVE students showcased their work and accomplishments, with each student creating a research poster, presenting their summer research project, and sharing their reflections on the summer program.

**Lunch and Learn Presenters Included:**
- Ananta Addala, DO
- Victor Carrion, MD
- Kara Davis, DO
- Bereketeab Haileselassie, MD
- Kim Hazard, MD
- Rogelio Hernández-López, PhD
- Natalia Gomez-Ospina, MD, PhD
- Mary Leonard, MD, MSCE
- Fernando Mendoza, MD, MPH
- Yvonne Maldonado, MD
- Anisha Patel, MD, MSPH, MSHS

**Research Training and Career Workshops Included:**
- Careers in medicine and the MD Admissions process
- Designing and conducting clinical research
- Introduction to community-engaged research
- Journal club
- Library resources and writing a literature review
- MD-PhD pathway and the MSTP BOOST program
- Powerful personal statements
- Preparing a scientific poster
- Research careers and Graduate Education admissions
- Scientific speaking and presenting
- STEM careers in industry and biotechnology
Specialty Programs

Uytengsu-Hamilton 22q11 Neuropsychiatry Research Program

The MCHRI Uytengsu-Hamilton 22q11 Neuropsychiatry Research Program aims to promote research to improve the neurocognitive outcomes and behavioral symptoms of 22q11.2 Deletion Syndrome (22q11.2DS).

This fiscal year, the program funded 4 awards to Stanford investigators, for projects ranging from investigating sleep disturbances in 22q11.2DS to understanding how 22q11.2DS impacts the 3D genome architecture, synaptic properties and function of neurons. To date, the program has awarded 13 grants at Stanford totaling $3.8 million.

The program continues to support research community building for 22q11.2DS, through an annual meeting of award holders and seminar series.

Stanford Pediatric Inflammatory Bowel Disease (IBD) and Celiac Disease Research Program

The Program supports two funding opportunities to spark innovative research and development of new treatments to improve the lives of children with IBD and celiac disease: Seed Grants and Postdoc and Early Career Support.

Since its initiation in FY21, the program has awarded over $5.1 million among 26 recipients, with an average award of over $150,000.
**Faculty Scholars**

**$100K/year for up to five years**

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

**Natalia Gomez-Ospina, MD, PhD**
*Tashia and John Morgridge Endowed Faculty Scholar in Pediatric Translational Medicine*
Assistant Professor, Pediatrics (Medical Genetics)
Study Title: Transforming Krabbe Disease Treatment: Synergizing Autologous Transplantation and Novel Conditioning Strategies for Enhanced Hematopoietic Stem Cell Transplantation

**Prasanna Jagannathan, MD**
The Woods Family Faculty Scholar in Pediatric Translational Medicine
Assistant Professor, Medicine (Infectious Diseases)
Study Title: Tuning the Innate Immune Response to Malaria

**Anca Pasca, MD**
*Tashia and John Morgridge Endowed Faculty Scholar in Pediatric Translational Medicine*
Assistant Professor, Pediatrics (Neonatology & Developmental Medicine)
Study Title: Investigating the Protective Role of Fetal Hemoglobin in the Prevention of Prematurity-Related Brain and Lung Injury

**Brad Zuchero, PhD**
*Covert-Matera Families Endowed Faculty Scholar*
Assistant Professor, Neurosurgery
Study Title: Mechanisms of Myelin Tuning During Development of the Central Nervous System

**Transdisciplinary Initiatives Program**

**$100K/year for up to two years**

**Study Title: Precision Treatment of Pediatric Cardiac Arrhythmias**
PI: William Goodyer, MD, PhD, Assistant Professor, Pediatrics (Cardiology)
Co-PI: Chaitan Khosla, PhD, Professor, Chemistry (Medical Genetics)
Assistant Professor, Chemical Engineering

**Study Title: Microstructural and Cellular Biomarkers of Brain Development in Children**
PI: Kalanit Grill-Spector, PhD, Professor, Psychology
Co-PI: Sarah Heilshorn, PhD, Professor, Materials Science and Engineering

**Study Title: Chronic Monitoring of Single-Neuron Activity and Neurotransmitters in the Neonatal Developing Enteric Nervous System**
PI: Guosong Hong, PhD, Assistant Professor, Materials Science and Engineering
Co-PI: Julia Kaltschmidt, PhD, Associate Professor, Neurosurgery

**Study Title: Organoid Models of Pediatric Leukemia**
PIs: Kathleen Sakamoto, MD, PhD, Shelagh Galligan Professor, Pediatrics (Hematology/Oncology)
Emma Lundberg, PhD, Professor, Bioengineering
Calvin Kuo, MD, PhD, Professor, Medicine
Clinical (MD) Trainee
Up to 100% salary/benefits support for up to two years
Program Co-Chairs
• Daniel Bernstein, MD, Professor, Pediatrics
• Hayley Gans, MD, Clinical Professor, Pediatrics

Nymisha Chilukuri, MD
Stanford Maternal & Child Health Research Institute Fellow
Clinical Fellow, Pediatrics (System Medicine)

Rafael G. Gonzalez, MD
Tashia and John Morgridge Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Gastroenterology, Hepatology & Nutrition)
Study Title: Endoscopic Spring Mediated Distraction Enterogenesis

Kalen Hendra, MD
The Stephen Bechtel Endowed Fellow in Pediatric Translational Medicine
Clinical Fellow, Pediatrics (Pulmonary, Asthma & Sleep Medicine)
Study Title: Bronchopulmonary Dysplasia in Very Low Birth Weight in Asian American, Native Hawaiian, and Pacific Islander (AANHPI) Infants

Erin Eanes Holsinger, MD
Tashia and John Morgridge Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (General Pediatrics)
Study Title: Does Living in A Home with A Gun Increase A Child’s Chance of Dying by Violent Means?

Claire Johns, MD
Anne T. and Robert M. Bass Endowed Fellow
Clinical Fellow, Pediatrics (Hematology/Oncology)
Study Title: Establishing Circulating Tumor DNA as An Individualized Biomarker in Pediatric Sarcomas

Rebecca Jo Johnson, MD
Ernest and Amelia Gallo Endowed Fellow
Clinical Fellow, Pediatrics (Endocrinology & Diabetes)
Study Title: Nutrition as Medicine: The Role of Whole Food Plant-Based Diets in Children with Type 2 Diabetes, A Pilot Study

Siva Kasinathan, MD, PhD
Ernest and Amelia Gallo Endowed Fellow
Clinical Fellow, Pediatrics (Allergy, Immunology & Rheumatology)
Study Title: Somatic Immunogenetic Variation in Pediatric Lupus

Patil Nanor Kavarian, DO
Tashia and John Morgridge Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Gastroenterology, Hepatology & Nutrition)
Study Title: Investigating the Adipokine Profiles in Pediatric Patients with Obesity and Their Role in the Development of Non-Alcoholic Fatty Liver Disease (NAFLD)

Vicky Christy Khoury, MS, MD
Elizabeth and Russell Siegelman Postdoctoral Fellow
Clinical Fellow, Pediatrics (Infectious Diseases)
Study Title: Beyond the Operating Room: Gastrointestinal Surgical Site Infections in the Pediatric Population

Gauri Kulkarni, MBBS, MD
Pete and Arline Harman Fellow
Clinical Fellow, Pediatrics (Nephrology)
Study Title: Assessment of Bone Microarchitecture and Micro Finite Element- Estimates of Bone Strength In Children and Adolescents with Advanced Chronic Kidney Disease

Alicia Lew, MD
Stanford Maternal & Child Health Research Institute Fellow
Clinical Fellow, Pediatrics (Critical Care)
Study Title: Diagnostic Reclassification of Bronchiolitis and Its Potential Impact on Deimplementation Efforts

Ingrid Y Lin, MD
Tashia and John Morgridge Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Developmental-Behavioral Pediatrics)
Study Title: Autism Family Empowerment Coaching and Training Program (AFECT): Evaluating A Parent Coaching and Family Navigation Program for New Autism Spectrum Disorder Diagnosis

Aesha Maniar, MD
Pete and Arline Harman Fellow
Clinical Fellow, Pediatrics (Neonatology & Developmental Medicine)
Study Title: The Effect of Blood Pressure on Renal Transplant Outcomes in Children

Aaron Lee Misakian, MFA, MD
Tashia and John Morgridge Endowed Postdoctoral Fellow
Clinical Fellow, Pediatrics (Endocrinology & Diabetes)
Study Title: Changes in Body Composition and Muscle Strength After 12 Months of Gender Affirming Hormone Therapy in Transgender Adolescents
Recipients of MCHRI Support

Amanda Renee Moyer, MD  
*Rosa A. Wann and Marjorie Shannon Fellow*  
Clinical Fellow, Pediatrics (Allergy, Immunology & Rheumatology)  
Study Title: Evaluation of Antiphosphatidylserine/Prothrombin Antibodies in Obstetric Antiphospholipid Syndrome

Jeffrey Ni, MD  
*Ernest and Amelia Gallo Endowed Fellow*  
Clinical Fellow, Pediatrics (Pulmonary, Asthma & Sleep Medicine)  
Study Title: Determining the Role of Wnt Modulation in Driving Neointimal Growth in Pulmonary Hypertension

Ruzan Orkusyan, MD  
*Paul and Yuanbi Ramsay Endowed Fellowship*  
Clinical Fellow, Pediatrics (Infectious Diseases)  
Study Title: Coccidioidomycosis: Knowledge, Attitudes, and Practices Among Pediatric Healthcare Providers in California

Hector Ivan Ortega, MD  
*Ernest and Amelia Gallo Endowed Fellow*  
Clinical Fellow, Pediatrics (Endocrinology & Diabetes)  
Study Title: Investigating the Utility of Genetic Risk Scores to Aid Diabetes Diagnosis in Pediatric Patients of Diverse Ancestries

Elisa Phillips, MD  
*Stanford Maternal & Child Health Research Institute Fellow*  
Clinical Fellow, Pediatrics (Hospital Medicine)  
Study Title: The Impact of Mistreatment from Patients and Families on Pediatric Resident Professional Identity Formation: A Mixed Methods Exploratory Study

Tebyan Rabbani, DO  
*Pete and Arline Harman Fellow*  
Clinical Fellow, Pediatrics (Gastroenterology, Hepatology & Nutrition)  
Study Title: Screening for Biliary Atresia Using Direct Bilirubin: An Implementation Science and (Quality Improvement) Study

May Yee Szeto, MD, PhD  
*Stanford Maternal & Child Health Research Institute Fellow*  
Clinical Fellow, Pediatrics (Neonatology & Developmental Medicine)  
Study Title: Understanding the Molecular Mechanisms of Neuroprotection by Magnesium Sulfate Using A Human Cellular Model for Hypoxic Brain Injury of Prematurity.

Gabriel Tse, MBChB  
*Rosa A. Wann and Marjorie Shannon Fellow*  
Clinical Fellow, Pediatrics (Hospital Medicine)  
Study Title: Perspectives of Spanish-Speaking Caregivers on Patient Portal Use for Children with Chronic Conditions: Perceived Benefits, Facilitators, Barriers, and Strategies to Improve Usability
Postdoctoral Support
Up to $80K/year for up to two years
Requires a commitment from the mentor of $40K for year 2
Program Panel Chairs
- Julien Sage, PhD - Professor, Pediatrics
- Kathleen Sakamoto, MD, PhD - Professor, Pediatrics
- Virginia Winn, MD, PhD - Associate Professor, Obstetrics & Gynecology

Anais Karime Amaya Colina, PhD
Postdoctoral Fellow, Pediatrics (Stem Cell Transplantation & Regenerative Medicine)
Study Title: Correction of A Disease-Causing Mutation in Precision-Cut Lung Slices

Aya Shibuya, MS, PhD
Postdoctoral Fellow, Pediatrics (Hematology/Oncology)
Study Title: Targeting Nemo-Like Kinase with Small Molecules for Treatment of Diamond Blackfan Anemia

Rayan Chatterjee, PhD
Postdoctoral Fellow, Otolaryngology
Study Title: Determining the Mechanisms of Hereditary Deafness Through Computer Modelling

Daiana Debora Fornes, PhD
Postdoctoral Fellow, Pediatrics (Pulmonary, Asthma & Sleep Medicine)
Study Title: Trpv4 Channel-Mediated Calcium Signaling and Myometrial Contractility: Implications for Preterm Labor

Anastasia Hains, MS, PhD
Postdoctoral Fellow, Pathology
Study Title: Understanding the Epigenetics and Biology of Pediatric DIPG Subgroups to Unravel Therapeutic Strategies

Maureen Hoch Vieira Fernandes, DVM, MS, PhD
Postdoctoral Fellow, Pediatrics (Infectious Diseases)
Study Title: High-Resolution Cryo-EM Structure and Proteomics of the Varicella Zoster Virus Fusion Complex

Marina Magalhaes, PhD
Postdoctoral Fellow, Pediatrics (Neonatology & Developmental Medicine)
Study Title: Severe Maternal Morbidity Among Adolescent Births in the United States

Alex Prossnitz, PhD
Postdoctoral Fellow, Materials Science and Engineering
Study Title: Engineering of Snake Venom Neutralizing Hydrogels and Their Application in Sustained-Release Vaccines for Improved Antivenom Manufacturing and Protective Human Immunization

Egor Sedov, PhD
Postdoctoral Fellow, Dermatology
Study Title: Elucidating Novel Binding Partners of Gibbin and Their Orchestrated Contributions to Childhood Birth Defects

Yogita Sharma, PhD
Postdoctoral Fellow, Medicine (Nephrology)
Study Title: Exploiting Sugars to Elude A Genetic Defect- Potential for Targeted Therapy of Type III Bartter’S Syndrome

Sushruta Shashidhara Surappa, PhD
Postdoctoral Fellow, Radiology
Study Title: Development of A Passive and Wireless Intracranial Pressure Sensor for Shunt Failure Monitoring in Hydrocephalus Patients

Xiwei She, PhD
Postdoctoral Fellow, Neurology & Neurological Sciences
Study Title: Stimulating Conversation: Developing Methods to Support Personalized Neurostimulation for Language Dysfunction in Pediatric Epilepsy

Benjamin Wang, PhD
Postdoctoral Fellow, Microbiology & Immunology
Study Title: Using Human Intestinal Enteroids to Study Salmonella Infections, A Serious Threat to Child Health

Zheng Hao Samuel Wong, PhD
Postdoctoral Fellow, Neurosurgery
Study Title: Metabolic Adaptations of B-ALL Predict Central Nervous System Infiltration

Recipients of MCHRI Support
Pilot Grant Programs
$35K for one year
Program Co-Chairs
• Paul Grimm, MD, Professor, Pediatrics
• Gary Shaw, DrPH, Professor, Pediatrics

Danny Chou, PhD
Assistant Professor, Pediatrics (Endocrinology & Diabetes)
Study Title: Insulin Receptor Antagonists for Treating Congenital Hyperinsulinism

Maya Kasowski, MD, PhD
Assistant Professor, Medicine (Pathology)
Study Title: The Role of Metabolism in Neonatal Brain Injury

Juliet Knowles, MD, PhD
Assistant Professor, Neurology & Neurological Sciences
Study Title: Thalamocortical Myelin Plasticity in Lennox-Gastaut Syndrome

Julien Sage, PhD
Elaine and John Chambers Professor, Pediatrics Cancer and Professor of Genetics
Study Title: A New Approach to Model Fibrolamellar Liver Cancer and Test Therapeutic Options

Kathleen Sakamoto, MD, PhD
Shelagh Galligan Professor, Pediatrics Cancer (Hematology/Oncology)
Study Title: Organoid Models of Pediatric Leukemia

Kunj Sheth, MD
Assistant Professor, Urology
Study Title: Evaluation of Congenital Unilateral Hydronephrosis Using Artificial Intelligence

Katrín Svensson, PhD
Assistant Professor, Pathology
Study Title: Investigating A Novel Peptide to Treat Hyperphagia in Children with Prader-Willi Syndrome

Quan Zhou, PhD
Instructor, Neurosurgery
Study Title: Advancing Treatment Strategies for Pediatric High-Grade Glioma: Theranostic Imaging and Targeted Therapy

Community-Engaged Research to Promote Health Equity (CERPHE) Pilot Grants
Formerly Called: Structural Racism, Social Injustice, and Health Disparities in Maternal and Child Health Pilot Grants
$35K for one year
Program Co-Chairs
• Bonnie Halpern-Felsher, PhD, Professor, Pediatrics
• Nancy Ewen Wang, MD, Professor, Pediatrics

Christina Buysse, MD
Clinical Associate Professor, Pediatrics
Study Title: Coastside PRIMES: Promoting Resilience at the Intersection of Community, Legal, Medical and Educational Supports

Stephanie Chao, MD
Assistant Professor, Pediatrics (Pediatrics Surgery)
Study Title: Eliminating Structural Racism in Child Abuse Reporting Through Standardized Universal Screening

Kay Daniels, MD
Clinical Professor, Obstetrics & Gynecology
Study Title: Using A Novel Virtual Simulation Program to Train OB Providers in Mexico- A Feasibility Study

Peace Dike, MD
Clinical Assistant Professor, Pediatrics (Gastroenterology, Hepatology & Nutrition)
Study Title: A Novel Intervention to Address Racial and Ethnic Disparities in Pediatric Liver Transplantation

Kathleen Kan, MD
Clinical Assistant Professor, Urology
Study Title: A Community-Engaged Approach to Identify and Improve Barriers to Pediatric Bladder Health Care in Hispanic Children

Danielle Mari Panelli, MD, MS
Instructor, Obstetrics & Gynecology
Study Title: Adverse Childhood Experiences and Pain After Cesarean Birth

Maya Rossin-Slater, PhD
Associate Professor, Health Policy
Study Title: The Effects of Access to Abortion Clinics On Disadvantaged Women’s Health: Evidence From Medicaid Claims Data

Clea Sarnquist, MPH, DrPH
Clinical Associate Professor, Pediatrics (Infectious Diseases)
Study Title: Reducing Barriers for Women of Color to Participate in Campus Sexual Violence Prevention Programs: A Mixed-Methods Approach

Recipients of MCHRI Support
Clinician Educator
$35K for one year
Program Co-Chairs
• Deirdre Lyell, MD, Professor, Obstetrics & Gynecology
• Sayantani Sindher, MD, Clinical Associate Professor, Allergy, Immunology & Rheumatology

Julianne Elizabeth Burns, MD, MSCE
Clinical Assistant Professor, Pediatrics (Infectious Diseases)
Study Title: Outpatient Prescribing Patterns of Non-Recommended Therapies for Children with Acute COVID-19

Stephanie Cizek, MD
Clinical Assistant Professor, Obstetrics & Gynecology
Study Title: HPV Immunization in Childhood Cancer Survivors

Yusuke Hori, MD
Clinical Instructor, Neurosurgery
Study Title: Identification of Novel Therapeutic Compounds for Radiation-Induced Brain Injury Through High-Throughput Drug Screening Platforms Using Organoid Models

Yi Li, MD, PhD
Clinical Assistant Professor, Neurology & Neurological Sciences
Study Title: Genetic Impact of Folate Metabolism in Women with Epilepsy on Their Children’s Neurodevelopmental Outcome

Yihan Lin, MD, MPH
Clinical Assistant Professor, Cardiothoracic Surgery
Study Title: Maternal and Fetal Outcomes in Rwandan Women with Mechanical Heart Valves

Damian Mihaela, MD
Clinical Associate Professor, Pediatrics (Critical Care)
Study Title: Outcomes of Continuous Kidney Replacement Therapy as Liver Support for Children with Liver Failure

Wanqiong Qiao, MD
Clinical Assistant Professor, Pathology
Study Title: Implementing Whole Genome Sequencing for Comprehensive Variant Identification in Pediatric Epilepsy

Jade Shorter, MD, MSHP
Clinical Assistant Professor, Obstetrics & Gynecology
Study Title: Patient Outcomes and Experiences with Early Pregnancy Complications After Exposure to An Early Pregnancy Assessment Clinic

Emily Spelbrink, MD, PhD
Clinical Assistant Professor, Neurology & Neurological Sciences
Study Title: Role of Sodium Channel Blocking Anti-Seizure Medications in Risk of Infantile Spasms

Yao Yang, PhD
Clinical Assistant Professor, Pathology
Study Title: Increasing the Diagnostic Yield of Pediatric Hearing Loss by Long Read Genome Sequencing
Recipients of MCHRI Support

**Bridge Support**
Up to $100K/year for up to one year
50% support from both MCHRI & awardee’s department

Elizabeth Egan, MD, PhD  
Assistant Professor, Pediatrics (Infectious Diseases)  
Study Title: Elucidating the Functions of Red Blood Cell Factors in Malaria Parasite Invasion

Daniel Ennis, PhD  
Professor, Radiology  
Study Title: Fast and Accurate 4D-Flow MRI for Pediatrics

Scott Hall, PhD  
Professor, Psychiatry & Behavioral Sciences (Interdisciplinary Brain Science)  
Study Title: Implementing Telehealth-Enabled Behavioral Interventions for Children with Neurodevelopmental Disorders

Carlos Milla, MD  
Professor, Pediatrics (Pulmonary, Asthma & Sleep Medicine)  
Study Title: Pathogenesis of Pf Bacteriophages in Pseudomonas Cystic Fibrosis Lung Infections

Katja Weinacht, MD, PhD  
Assistant Professor, Pediatrics (Stem Cell Transplantation & Regenerative Medicine)  
Study Title: Mechanisms Underlying Defects of Morphogenesis in 22q11 Deletion Syndrome

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

Yair Bannett, MD, MS  
Instructor, Pediatrics  
Study Title: Novel Quality Measures for Primary Care Management of Attention-Deficit/Hyperactivity Disorder

Iro Igbinosa, MD  
Instructor, Obstetrics & Gynecology (Maternal Fetal Medicine)  
Study Title: Prevention of Severe Anemia at Time of Birth Admission to Reduce Disparities in Maternal Morbidity

Elizabeth Mayne, MD, PhD  
Instructor, Neurology & Neurological Sciences  
Study Title: Network Mechanisms of Delayed, Immune-Dependent Cognitive Dysfunction After Juvenile Stroke

Sneha Ramakrishna, MD  
Assistant Professor, Pediatrics (Hematology/Oncology)  
Study Title: Pre-Treatment Correlates of Patient GD2 CAR T Cell Exhaustion and Memory Using Multi-Dimensional Immune Profiling

Ken Sutha, MD, PhD  
Instructor, Pediatrics (Neonatology & Developmental Medicine)  
Study Title: Patient-Derived Kidney Organoids for Modeling Kidney Injury
Master’s Tuition Support
Up to $32,500/year for up to two years

Erin Eanes Holsinger, MD
Fellow, Pediatrics (General Pediatrics)
Master’s Student in Health Policy

Patil Kavarian, DO
Fellow, Pediatrics (Gastroenterology, Hepatology & Nutrition)
Master’s Student in Epidemiology and Clinical Research

Rebecca Linfield, MD
Fellow, Medicine (Infectious Diseases)
Master’s Student in Epidemiology and Clinical Research

Aesha Maniar, MD
Fellow, Pediatrics (Neonatology & Developmental Medicine)
Master’s Student in Epidemiology and Clinical Research

Danielle Nicole Sharp, MD
Fellow, Pediatrics (Neonatology & Developmental Medicine)
Master’s Student in Epidemiology and Clinical Research

Akhil Sood, MD
Fellow, Medicine (Immunology & Rheumatology)
Master’s Student in Epidemiology and Clinical Research

Diversity, Respect, and Inclusion are Vital for Excellence (DRIVE) in Research Pathway Awards

Undergraduate student stipend of up to $9,000

Program Co-Chairs
• Carmin Powell, MD, FAAP, Clinical Assistant Professor, Pediatrics
• Eric Sibley, MD, PhD, Professor, Pediatrics

Khusbu Adhikari
Faculty Mentor: David Stevenson, MD, Harold K. Faber Professor, Pediatrics, Senior Associate Dean, Maternal and Child Health and Professor, by courtesy, Obstetrics & Gynecology
Study Title: Predicting Preterm Birth Using AI and Machine Learning Approaches

Gwendolyne Aguilar
Faculty Mentor: Anisha Patel, MD, MSPH, MSHS, Professor, Pediatrics (General Pediatrics) and, by courtesy, Epidemiology and Population Health
Study Title: Impact of A Childcare-Based Center Intervention on Water Intake

Wendy Angeles
Faculty Mentor: Anca Pasca, MD, Assistant Professor, Pediatrics (Neonatology)
Study Title: Identification of Novel Therapeutic Compounds for Radiation-Induced Brain Injury Using Brain Organoid Models

Norah Asemota
Faculty Mentor: Elizabeth Egan, MD, PhD, Assistant Professor, Pediatrics (Infectious Diseases) and Microbiology & Immunology
Study Title: Host-Pathogen Interactions in Malaria

Luciana Bridges
Faculty Mentor: Thomas Robinson, MD, MPH, The Irving Schulman, M.D. Professor of Child Health, Professor, Medicine (Stanford Prevention Research Center) and, by courtesy, Epidemiology & Population Health
Study Title: Wise Social Psychological Interventions to Improve Outcomes of Behavioral Weight Control in Children with Obesity

Binta Diallo
Faculty Mentor: Ruth Lathi, MD, Professor, Obstetrics & Gynecology (Reproductive Endocrinology and Infertility)
Study Title: NATpro Study: Improving Pregnancy Outcomes for Frozen Embryo Transfer

Richzeska Fandino
Faculty Mentor: Gary Darmstadt, MD, MS, Professor, Pediatrics (Neonatology) and, by courtesy, Obstetrics & Gynecology
Study Title: Examining the Role of Parental Caregivers’ Attitudes, Beliefs and Knowledge in Influencing Pediatric Vaccine Acceptance

Recipients of MCHRI Support
Recipients of MCHRI Support

Paw Mar Gay  
Faculty Mentor: Virginia Winn, MD, PhD, Associate Professor, Obstetrics & Gynecology (Reproductive and Stem Cell Biology)  
Study Title: Identification of Bacteriophage in Umbilical Cord Blood

Constantia Georgiou  
Faculty Mentor: Jennifer Frankovich, MD, Clinical Professor, Pediatrics - Rheumatology  
Study Title: Neurobiologic and Immunologic Markers in Youth with Pediatric Acute-Onset Neuropsychiatric Syndrome (PANS)

Arturo Hernandez  
Faculty Mentor: Sean Wu, MD, PhD, Professor, Medicine (Cardiovascular Medicine) and, by courtesy, Pediatrics  
Study Title: Developing A Cell-Free Nucleic Acid Pipeline for Use in An Experimental Mouse Heart Transplantation Model

Monserrat Hernandez Escobar  
Faculty Mentor: Laura Simons, PhD, MS, Professor, Anesthesiology, Perioperative and Pain Medicine (Pediatric)  
Study Title: Journey in Pain Care for Spanish-Speaking Families (JIPC-S): Using Qualitative Research to Understand the Lived Experiences of Spanish-Speaking Families Seeking Care for Pediatric Chronic Pain

Isis-Kohle Jackson  
Faculty Mentor: Sruti Nadimpalli, MD, Clinical Associate Professor, Pediatrics (Infectious Disease)  
Study Title: Durability of Immune Response to SARS-CoV-2 Vaccine in Pediatric Solid-Organ Transplant Recipients

Olivia Ledbury  
Faculty Mentor: Valerie Chock, MD, Professor, Pediatrics (Neonatology) and, by courtesy, Obstetrics & Gynecology (Maternal Fetal Medicine)  
Study Title: Tissue Oxygenation in the Newborn at Risk for Brain Injury

Jongmin Lim  
Faculty Mentor: Justin Annes, MD, PhD, Associate Professor, Medicine (Endocrinology)  
Study Title: Developing An Effective Treatment for SDHB-Deficient Tumors

Xochilt Lorenzo  
Faculty Mentor: Michael Rosen, MD, MSCI, Stanford University Endowed Professor, Pediatric IBD and Celiac Disease  
Study Title: Epithelial Dysfunction in Pediatric Ulcerative Colitis

Nathalie Moreno  
Faculty Mentor: Christin Kuo, MD, Assistant Professor of Pediatrics (Pulmonary Medicine)  
Study Title: Tracking the Progression of Neuroendocrine Cells in Distal Regions of Human Lungs Through Immunofluorescence

Melody Moua  
Faculty Mentor: Gary Darmstadt, MD, MS, Professor, Pediatrics (Neonatology) and, by courtesy, Obstetrics & Gynecology  
Study Title: Examining the Role of Healthcare Providers’ Attitudes, Beliefs, and Knowledge in Influencing Pediatric Vaccine Acceptance

Nina Yen Nhi Nguyen  
Faculty Mentor: Vittorio Sebastianio, Associate Professor, Obstetrics & Gynecology (Reproductive and Stem Cell Biology)  
Study Title: Using Partial Reprogramming to Combat Exhaustion in CAR T Cells

Sofia Pesantez  
Faculty Mentor: Heidi Feldman, MD, PhD, Ballinger-Swindells Endowed Professor, Developmental and Behavioral Pediatrics  
Study Title: PRELUDES: Predicting Language Development in Preterm Children

Dani Senay  
Faculty Mentor: Bereketeab Haileselassie, MD, Assistant Professor, Pediatrics (Critical Care)  
Study Title: The Role of Extracellular Mitochondria in Pediatric Cases of Sepsis

Ariyanna Wesley  
Faculty Mentor: Bonnie Halpern-Felsher, PhD, Marron and Mary Elizabeth Kendrick Professor of Pediatrics and Professor, by courtesy, Epidemiology & Population Health and Psychiatry & Behavioral Sciences  
Study Title: Understanding and Reducing Adolescent Vaping: From Research to Prevention to Policy

Angeline Yu  
Faculty Mentor: William Giardino, PhD Assistant Professor, Psychiatry & Behavioral Sciences (Sleep Medicine)  
Study Title: Neurobiological Mechanisms of Maternal Separation Stress Effects on Anxiety Behavior and Binge Alcohol Drinking
SPECIALTY PROGRAM AWARDS

**Uytengsu-Hamilton 22q11 Neuropsychiatry Research Awards**
$150K/year for two years

**Stanford Awards**

**Casey Gifford, PhD**
Assistant Professor, Pediatrics (Cardiology)
Study Title: Defining the Cardiac Gene Regulatory Networks Perturbed in 22q11 Deletion Syndrome

**Makoto Kawai, MD**
Clinical Associate Professor, Psychiatry & Behavioral Sciences (Sleep Medicine)
Study Title: Characterizing Sleep in 22q11.2 Deletion Syndrome with Micro EEG System

**Longzhi Tan, PhD**
Assistant Professor, Neurobiology
Study Title: Measuring Cell Type-Specific 3D Genome Architectural Aberrations in the 22q11.2Ds Cerebellum with Single-Cell in Vivo Multi-Omics

**Marius Wernig, MD, PhD**
Professor, Pathology
Study Title: Molecular Dissection of the 22q11.2 Deletion in Human Neurons

**External Awards**

**Flora Tassone, PhD**
Professor, Biochemistry and Molecular Medicine, UC Davis
Study Title: Molecular Biomarkers of Psychosis-Proneness in 22q11.2 Deletion Syndrome

**Stanislav Zakharenko, MD, PhD**
Director, Neural Circuits and Behavior, St. Jude Children’s Hospital
Study Title: Cerebellar-Thalamocortical Neural Circuitry Dysfunction in Psychiatric Symptoms of 22q11.2 Deletion Syndrome

**Stanford Medicine Children’s Health Center for IBD and Celiac Disease Intramural Research Program Seed Grants**
$100K/year for two years

**Ami Bhatt, MD, PhD**
Associate Professor, Medicine (Hematology)
Study Title: Immunomodulatory Microbial Amino Acid-Derived Metabolites Contribute to Crohn’s Disease Pathogenesis

**Michael Howitt, PhD**
Assistant Professor, Pathology
Study Title: Utilizing Intestinal Tuft Cells to Modulate Pediatric Crohn’s Disease

**Calvin Kuo, MD, PhD**
Maureen Lyles D’Ambrogio Professor, Medicine (Hematology)
Study Title: Epithelial-Immune Organoid Models of Human IBD

**Kenneth Weinberg, MD**
Anne T. and Robert M. Bass Professor, Pediatrics Cancer and Blood Diseases
Study Title: Novel Hematopoietic Stem Cell Transplant-Based Treatment of Severe Crohn’s Disease: Towards A Curative Re-Set of Immune-Intestinal Interactions
Recipients of MCHRI Support

**Stanford Medicine Children's Health Center for IBD and Celiac Disease Research Program Postdoc and Early Career Support**

$80K/year for up two years for postdoctoral scholars and $100,000/year for up to two years for instructors

- **Ruben Colman, MD, PhD**
  Instructor, Pediatrics (Gastroenterology, Hepatology & Nutrition)
  Study Title: Integrated Microbiome and Metabolome Analyses to Inform and Improve Pediatric Crohn’s Disease Outcomes

- **Gwangbeom Heo, PhD**
  Postdoctoral Scholar, Chemical and Systems Biology
  Study Title: Targeting Excessive Mitochondrial Fission as A Treatment for Pediatric Inflammatory Bowel Disease

- **Neetu Saini, PhD**
  Postdoctoral Scholar, Pediatrics (Stem Cell Transplantation & Regenerative Medicine)
  Study Title: Generation of Gut-Specific-Engineered Treg-Like Cells (GI-CD4LVFOXPS) for Pediatric Crohn's Disease Treatment

- **Kazuma Sekiba, MD, PhD**
  Postdoctoral Fellow, Pathology
  Study Title: Development of Engineered Probiotics to Treat Pediatric IBD

- **Fu Chen Yang, PhD**
  Postdoctoral Scholar, Chemistry
  Study Title: Identifying the Pathogenically Relevant Location of Active TG2 and Gluten Presenting Dendritic Cells in Celiac Disease Duodenal Biopsies

**Funded Partners Awards**

**Global Health Seed Grants**

Awarded a total amount of $40,000

- **Study Title: Task-sharing the Youth Readiness Intervention to improve the mental health outcomes of Somali war-affected youth in Kenya**
  PI: Clea Sarnquist, MPH, DrPH, Clinical Associate Professor, Pediatrics (Infectious Diseases)

- **Study Title: Reducing Intraventricular Hemorrhage in Premature Infants in Brazil**
  PI: Valerie Chock, MD, MS, Professor, Pediatrics (Neonatology)

- **Study Title: Frugal Innovations in Child Cardiac Care in a Rural Health System in India**
  PIs: Kanwaljeet Anand, MBBS, PhD, Professor, Pediatrics (Anesthesiology, Perioperative & Pain Medicine)
  Sara Singer, MBA, PhD, Professor, Medicine (Primary Care & Population Health)

**SPARK**

Awarded a total amount of $250,000

- **Study Title: Intranasal Sertraline for the Treatment of Antenatal Depression**
  Kevin Grimes, MBA, MD, Professor, Chemical and Systems Biology
  Eric Appel, PhD, Associate Professor, Materials Science and Engineering

- **Study Title: Development of a Sensitive and Robust Malaria rapid Diagnostic Test Using De Novo Designed Antigen Binders**
  Alexander Dunn, PhD, Associate Professor, Chemical Engineering
  Possu Huang, PhD, Assistant Professor, Bioengineering

- **Study Title: Precision Nutrition for Premature Newborns**
  Lance Prince, MD, PhD, Professor, Neonatology
  Nima Aghaeepour, PhD, Associate Professor, Anesthesiology, Perioperative and Pain Medicine (Adult MSD)

- **Study Title: Treatment of Pediatric Food Allergy Using Novel Fermented Food-Derived Therapeutics**
  Sean Spencer, MD, PhD, Instructor, Medicine (Gastroenterology and Hepatology)
  Justin Sonnenburg, PhD, Professor, Microbiology & Immunology

- **Study Title: Novel Tocolytic Therapy to Treat Preterm Labor and Prevent Prematurity**
  David Cornfield, MD, Anne T. and Robert M. Bass Professor, Pediatrics (Pulmonary, Asthma and Sleep Medicine)
  Lihua Ying, PhD, Senior Research Scientist, Pediatrics (Pulmonary, Asthma and Sleep Medicine)
**Stanford Byers Center for Biodesign Faculty Fellowship**
Awarded a total amount of $18,000

**Kathleen, Kan, MD**
Clinical Assistant Professor, Urology

**Meera Sankar, MD**
Clinical Professor, Pediatrics (Neonatology & Developmental Medicine)

**Stanford Cardiovascular Institute**
Awarded a total amount of $40,000

**Daniel Bernstein, MD**
Alfred Woodley Salter and Mabel G. Salter Endowed Professor, Pediatrics
Study Title: The Z-Disc: Nodal Point for Mechano-Transduction in Hypertrophic Cardiomyopathy

**Helen Blau, PhD**
Donald E. and Delia B. Baxter Foundation Professor, Baxter Laboratory for Stem Cell Biology in the Department of Microbiology & Immunology
Study Title: 15-PGDH Inhibition as A Treatment for Dilated Cardiomyopathy in Duchenne Muscular Dystrophy

**Stanford Interprofessional Clinician Program**
Awarded a total of 400 hours in MCHRI Clinical Research Coordinator services

**Kyle Clewes, PT, DPT**
Rehabilitation, Outpatient Physical Therapy
Study Title: Abnormal Vestibular-Oculomotor Function and Symptomatology in Adolescents with Concussion

**Fiona Wang, PA-C, MS**
Physician Assistant, Fertility and Reproductive Health Care Team
Study Title: The Impact of Intrauterine Devices On Endometrial Lining in Nulliparous Women

**Recipients of MCHRI Support**
Leadership

MCHRI LEADERSHIP

FY23 MCHRI Governing Board

Karthik Balakrishnan, MD, MPH, FAAP, FACS
Surgeon-in-Chief, Lucile Packard Children's Hospital and Stanford Medicine Children’s Health; Associate Professor, Otolaryngology - Head & Neck Surgery (OHNS), Stanford School of Medicine

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CEO and President, Stanford Medicine Children’s Health

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Senior Associate Dean of Research and Professor, Psychiatry and Behavioral Sciences, Stanford School of Medicine

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Co-Director, MCHRI; Chair, MCHRI Education Committee; Professor, Dermatology, Stanford School of Medicine

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Co-Director, MCHRI; Senior Associate Dean, Maternal & Child Health, Professor, Pediatrics (Neonatal & Developmental Medicine), Stanford School of Medicine

Mary Chen, MS, MBA
Executive Director, MCHRI; Assistant Dean for Maternal & Child Health Research, Stanford School of Medicine

Anisha Patel, MD, MSPH, MSHS
Director of Community-Engaged Research, MCHRI; Professor, Pediatrics (General Pediatrics), Stanford School of Medicine

Karl Sylvester, MD
Director of Clinical Research Support Office, MCHRI; Associate Dean for Maternal & Child Health Research, Co-Director, Stanford Metabolic Health Center, Professor, Surgery (Pediatric Surgery), Stanford School of Medicine

Grant Wells, MS
Director of Innovation and Development, MCHRI

FY23 Members

Rosa Bacchetta
Associate Professor, Pediatrics (Stem Cell Transplantation), Stanford School of Medicine

Karthik Balakrishnan, MD, MPH, FAAP, FACS
Surgeon-in-Chief, Lucile Packard Children's Hospital and Stanford Medicine Children's Health; Associate Professor, Otolaryngology - Head & Neck Surgery (OHNS), Stanford School of Medicine

David Camarillo, PhD
Associate Professor, Bioengineering, Stanford Schools of Engineering and Medicine

David Cornfield, MD
Professor, Pediatrics (Pulmonary Medicine), Stanford School of Medicine

Paul Fisher, MD
Professor, Neurology & Neurological Sciences and Pediatrics, Stanford School of Medicine

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Professor, Psychology, Stanford School of Humanities and Sciences

Kathleen Sakamoto, MD
Professor, Pediatrics (Hematology/Oncology), Stanford School of Medicine

Virginia Winn, MD, PhD
Associate Professor, Obstetrics & Gynecology (Reproductive Biology), Stanford School of Medicine
**FY23 MCHRI Education Committee**

Anthony Oro, MD, PhD  
Co-Director, MCHRI; Chair, MCHRI Education Committee;  
Professor, Dermatology, Stanford School of Medicine

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Director of the Office of Pediatric Research Development, and  
Grant Writing Academy, Stanford School of Medicine

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School of Medicine

Christina Tise, MD, PhD  
Assistant Professor, Pediatrics (Medical Genetics), Stanford  
School of Medicine

Bo Yu, MD, MS  
Assistant Professor, Obstetrics and Gynecology (Reproductive  
Endocrinology and Infertility), Stanford School of Medicine

**FY23 Clinical Research Support Office Executive Advisory Committee**

Jesus Cepeiro, PhD, RN, NEA-BC  
Senior Vice President Patient Care Services, Chief Nursing  
Officer, Stanford Medicine Children’s Health

Mary Chen, MS, MBA  
Executive Director, MCHRI; Assistant Dean for Maternal & Child  
Health Research, Stanford School of Medicine

Ed Kopetsky  
Former Chief Information Officer, Stanford Medicine Children’s  
Health

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Chief Quality Officer, Stanford Medicine Children's Health;  
Professor, Pediatrics (Infectious Disease), Stanford School of  
Medicine

Mary Leonard, MD, MSCE  
Director, MCHRI; Chair and Professor, Pediatrics, Stanford  
School of Medicine; Physician-In-Chief, Stanford Medicine  
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Director of Clinical Research Support Office, MCHRI; Associate  
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Stanford Metabolic Health Center, Professor, Surgery (Pediatric  
Surgery), Stanford School of Medicine

Chantal Volel-Torres  
Chief Administrative Officer, Senior Vice President of  
Ambulatory Operations, Chief Executive Office of Packard  
Children’s Health Alliance, Stanford Medicine Children’s Health
MCHRI Resource List

Clinical Research Coordinator Services
Clinical Research Support Office
Drug and Device Development Services
Education Resources
Funding Opportunities
Heart Center Research Program
Office of Community-Engaged Research
PEDSnet
Qualitative Science Unit
## Grants & Programs Timeline

| Month       | Postdoctoral Support | Bridge Support | Instructor K Award Support | Pediatric IBD & Celiac Disease Research Program: Postdoc/Early Career Support and Seed Grant | Pilot Grants (Fall) | Clinician Educator Grants (Fall) | Community-Engaged Research to Promote Health Equity Grant | 22q11 Neuropsychiatry Research Awards Program (LOI) | Transdisciplinary Initiatives Program (LOI) | Bridge Support | Instructor K Award Support | Diversity, Respect, and Inclusion are Vital for Excellence (DRIVE) in Research Pathway | Clinical Trainee Support | Master’s Tuition Program | Faculty Scholars (LOI) | Postdoctoral Support | Transdisciplinary Initiatives Program (Proposal) | Pediatric IBD & Celiac Disease Research Program: Postdoc/Early Career Support | Pilot Grants | Clinician Educator Grants | Community-Engaged Research to Promote Health Equity Grant | Faculty Scholars (Proposal) | Bridge Support | Instructor K Award Support |
|------------|----------------------|----------------|-----------------------------|-----------------------------------------------------------------------------------------------|--------------------|-------------------------------|-------------------------------------------------|---------------------------------------------------|--------------------------------|----------------|-----------------------------|------------------------------------------------------------------|----------------|-----------------------------|-----------------------------|-------------------------------------------------|-------------------------------------------------|----------------|-----------------------------|-------------------------------------------------|-------------------------------------------------|----------------|-----------------------------|
| SEPTEMBER  |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |
| OCTOBER    |                      |                |                             |                                                                                               | Pilot Grants       | Clinician Educator Grants    | Community-Engaged Research to Promote Health Equity Grant | 22q11 Neuropsychiatry Research Awards Program (LOI) | Transdisciplinary Initiatives Program (LOI) | Bridge Support | Instructor K Award Support | Diversity, Respect, and Inclusion are Vital for Excellence (DRIVE) in Research Pathway | Clinical Trainee Support | Master’s Tuition Program | Faculty Scholars (LOI) | Postdoctoral Support | Transdisciplinary Initiatives Program (Proposal) | Pediatric IBD & Celiac Disease Research Program: Postdoc/Early Career Support | Pilot Grants | Clinician Educator Grants | Community-Engaged Research to Promote Health Equity Grant | Faculty Scholars (Proposal) | Bridge Support | Instructor K Award Support |
| NOVEMBER   |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |
| DECEMBER   |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |
| JANUARY    |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |
| FEBRUARY   |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |
| MARCH      |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |
| APRIL      |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |
| MAY        |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |
| JUNE       |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |
| JULY       |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |
| AUGUST     |                      |                |                             |                                                                                               |                    |                               |                                                 |                                                  |                                |                |                            |                                                   |               |                             |                           |                                                 |                                                |                |                            |                                              |                                                 |                |                            |

For information about funding programs and deadlines, visit our website at mchri.stanford.edu.
Annual Report FY 2023

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ACKNOWLEDGEMENTS
Thank you to all of our MCHRI donors, members, leadership, staff, awardees, reviewers, collaborators, and partners for their support.

Special thanks to our strategic partners, the Lucile Packard Children’s Hospital Stanford/Stanford Medicine Children’s Health, Lucile Packard Foundation for Children’s Health, Stanford Health Care, and Stanford School of Medicine.

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