



STANFORD
MATERNAL & CHILD HEALTH
RESEARCH INSTITUTE



ANNUAL REPORT **FY 2023**

ADVANCING RESEARCH IN MATERNAL AND CHILD HEALTH

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.

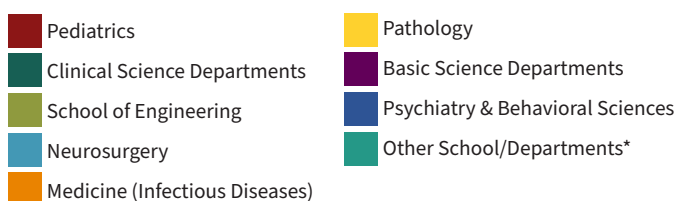
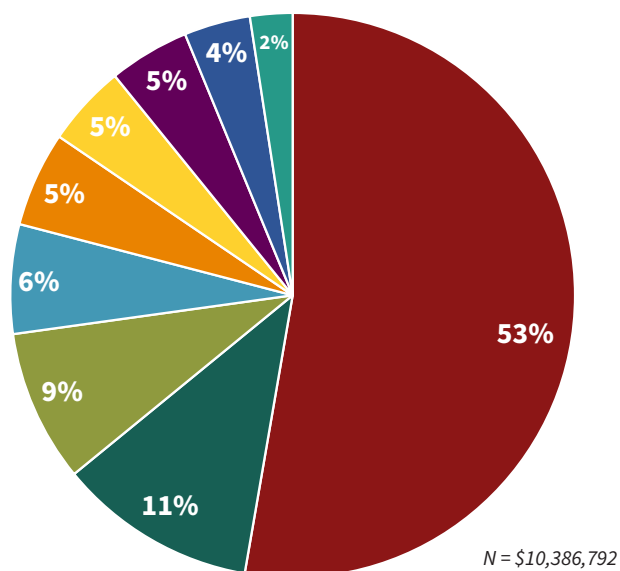
MCHRI's strategic goals are to:

- 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.



FUNDING OVERVIEW

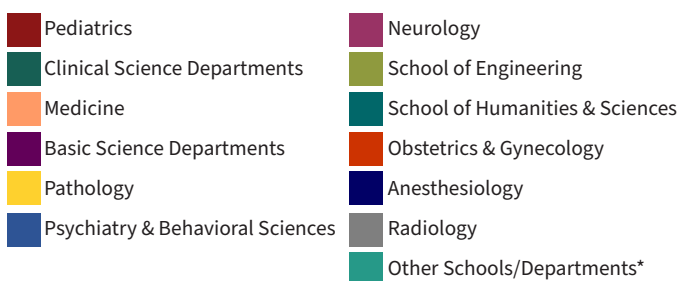
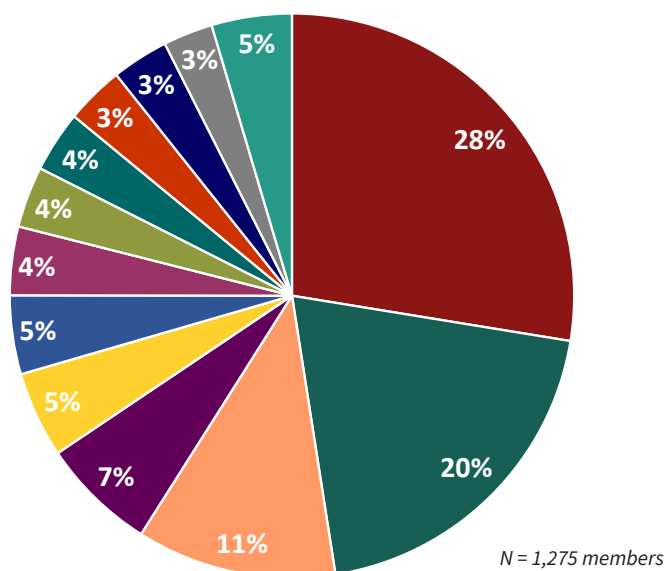
FY23 Total Funding Awarded by Department/School



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

OUR COMMUNITY

FY23 MCHRI Membership by Department/School



*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

HIGHLIGHTS OF 2022-2023

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 1275** **MEMBERS.** **19%** for a total of:

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.**



Clinical Research Coordinator Services

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*

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

Moderated Poster Hall:

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

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

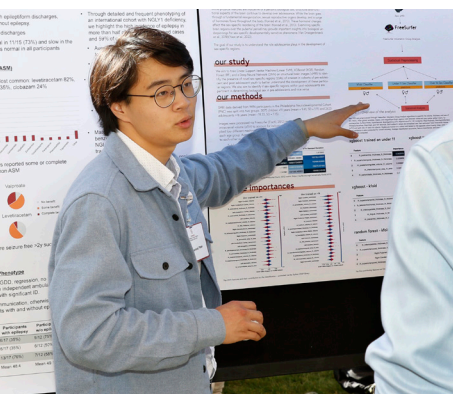
Mary Smith

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



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.
- Provide 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
- Bereketiab 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).

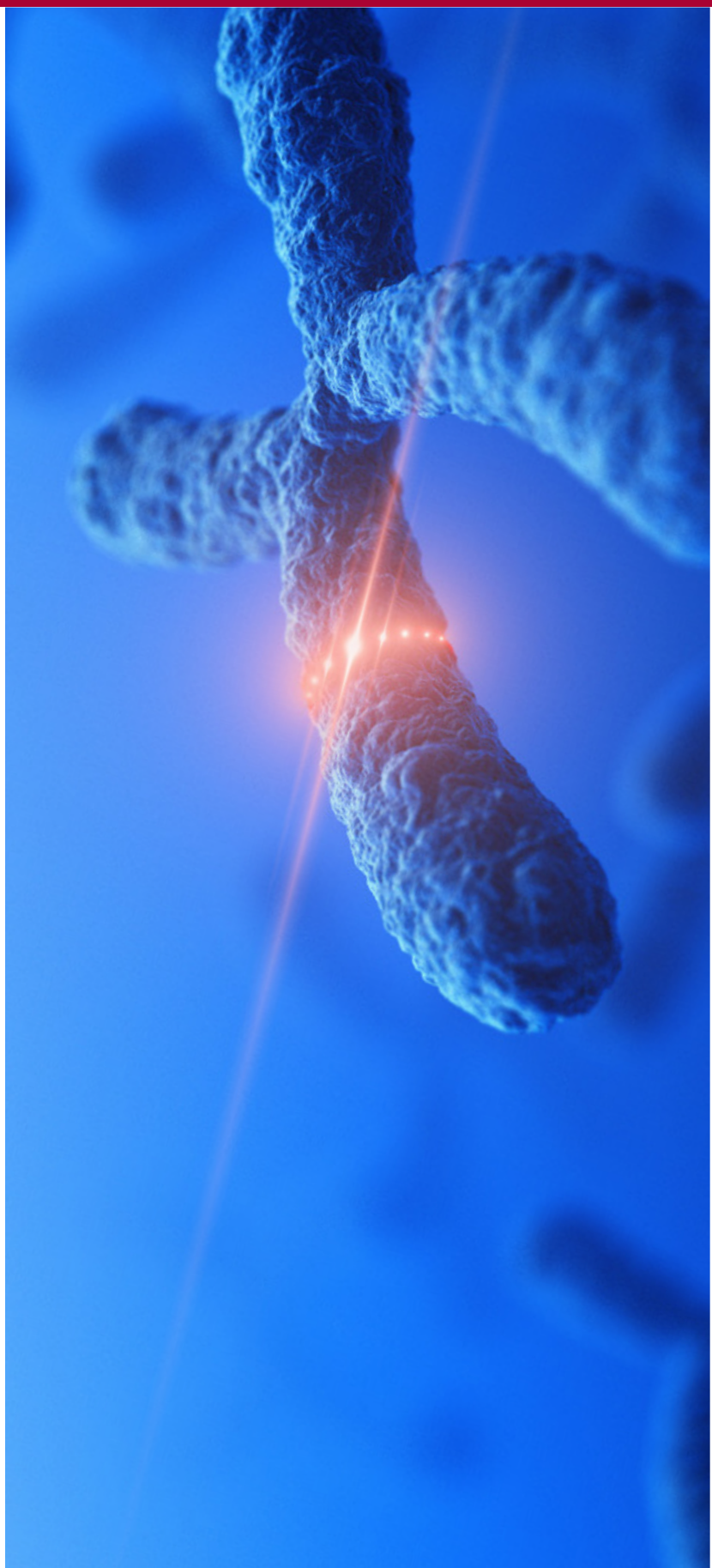
This fiscal year, the program funded **4 awards to Stanford investigators**, for projects ranging from investigating sleep disturbances in 22q11.2DS to understanding how 22q11.2DS impacts the 3D genome architecture, synaptic properties and function of neurons. **To date, the program has awarded 13 grants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

Study Title: Where Is the Disparity? Impact of Platform Design and Workflows on Disparities in Patient Portal Use by Preferred Language in Pediatrics.

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

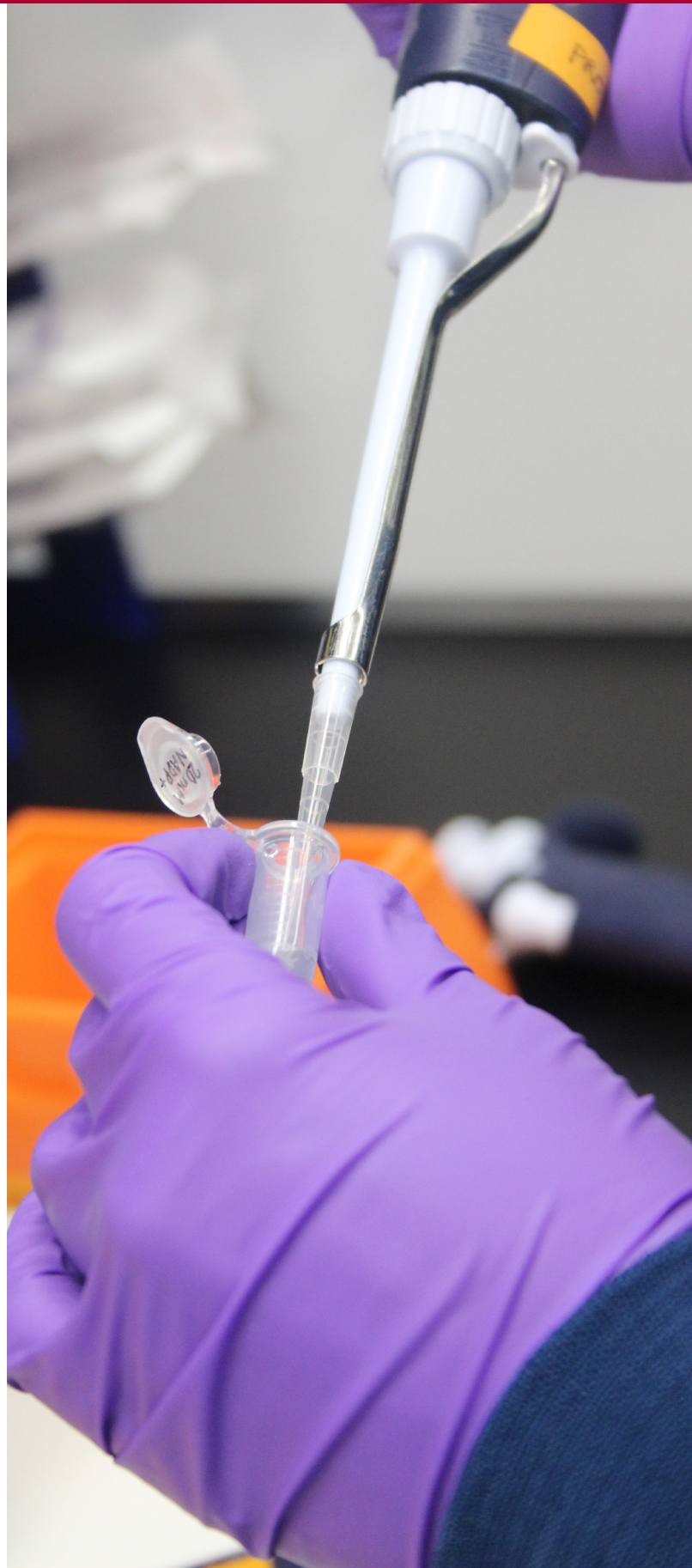
Rosa A. Wann and Marjorie Shannon Fellow

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 (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

Katrin 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: Coastsides 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

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 Barnett, MD, MS

Instructor, Pediatrics

Study Title: Novel Quality Measures for Primary Care Management of Attention-Deficit/Hyperactivity Disorder

Iro Igbiosa, 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

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

Montserrat 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 Sebastiano, 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: Bereketab 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 22q11.2s 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-Prone 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



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

**\$80K/year for up to 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 Treat-
ment 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-CD4LVFOXP3) for Pediatric Crohn's Disease Treatment

Kazuma Sekiba, MD, PhD

Postdoctoral Fellow, Pathology
Study Title: Development of Engineered Probiotics to Treat Pedi-
atric 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-af-
fected youth in Kenya**

PI: Clea Sarnquist, MPH, DrPH, Clinical Associate Professor, Pedi-
atrics (Infectious Diseases)

**Study Title: Reducing Intraventricular Hemorrhage in Pre-
mature 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 (Anes-
thesiology, Perioperative & Pain Medicine)
Sara Singer, MBA, PhD, Professor, Medicine (Primary Care & Popu-
lation Health)

SPARK

Awarded a total amount of \$250,000

**Study Title: Intranasal Sertraline for the Treatment of Ante-
natal Depression**

Kevin Grimes, MBA, MD, Professor, Chemical and Systems
Biology
Eric Appel, PhD, Associate Professor, Materials Science and
Engineering

**Study Title: Development of a Sensative 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 Nov-
el 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, Pedi-
atrics (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



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

Cynthia J. Brandt, PhD

CEO and President, Lucile Packard Foundation for Children's Health

Jonathan Coslet

Chair, Board of Directors, Stanford Medicine Children's Health

Paul King

CEO and President, Stanford Medicine Children's Health

Mary Leonard, MD, MSCE

Director, MCHRI; Chair and Professor, Pediatrics, Stanford School of Medicine; Physician-In-Chief, Stanford Medicine Children's Health

Lloyd Minor, MD

Dean and Professor, Otolaryngology - Head & Neck Surgery (OHNS), Stanford School of Medicine

Ruth O'Hara, PhD

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

FY23 MCHRI Executive Committee

Directors

Mary Leonard, MD, MSCE

Director, MCHRI; Chair and Professor, Pediatrics, Stanford School of Medicine; Physician-In-Chief, Stanford Medicine Children's Health

Anthony Oro, MD, PhD

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

David Stevenson, MD

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

Ian Gotlib, PhD

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

Crystal Botham, PhD

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

Elizabeth Burgener, MD

Instructor, Pediatric Pulmonary Medicine, Stanford School of
Medicine

Baraka Floyd, MD, MSc

Clinical Associate Professor, Pediatrics (General Pediatrics),
Stanford School of Medicine

Natalia Gomez-Ospina, MD, PhD

Assistant Professor, Pediatrics (Medical Genetics), Stanford
School of Medicine

Kelly Mahaney, MD

Assistant Professor, Neurosurgery, Stanford School of Medicine

Kara Meister, MD, FAAP, FACS

Assistant Professor, Otolaryngology (Head & Neck Surgery
Divisions), Stanford School of Medicine

Ryan Christopher Padrez, MD

Clinical Associate Professor, Pediatrics (General Pediatrics),
Stanford School of Medicine

Trung Pham, MD, PhD

Assistant Professor, Pediatrics (Infectious Diseases), Stanford
School of Medicine

Zachary Sellers, MD, PhD

Assistant Professor, Pediatrics (Gastroenterology), Stanford
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 Cepero, 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

Grace Lee, MD

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
Children's Health

Dennis Lund, MD

Chief Medical Officer, Associate Dean for Maternal and Child
Health, Vice President of Medical Affairs, Stanford Medicine
Children's Health; Associate Dean of the Faculty for Pediatrics
and Obstetrics, Stanford School of Medicine

Rick Majzun

Executive Vice President, Chief Operating Officer, Stanford
Medicine Children's Health

Annette Nasr, PhD, RN, MPA, NE-BC

Director, Nursing Research and Evidence-Based Practice,
Stanford Medicine Children's Health; Associate Clinical
Associate Professor, Pediatrics, Stanford School of Medicine

Natalie Pageler, MD, MEd

Chief Medical Information Officer, Stanford Medicine Children's
Health; Clinical Professor, Pediatric Critical Care, Stanford
School of Medicine

Rishi Seth

Vice President, Operations, Stanford Medicine Children's Health

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

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

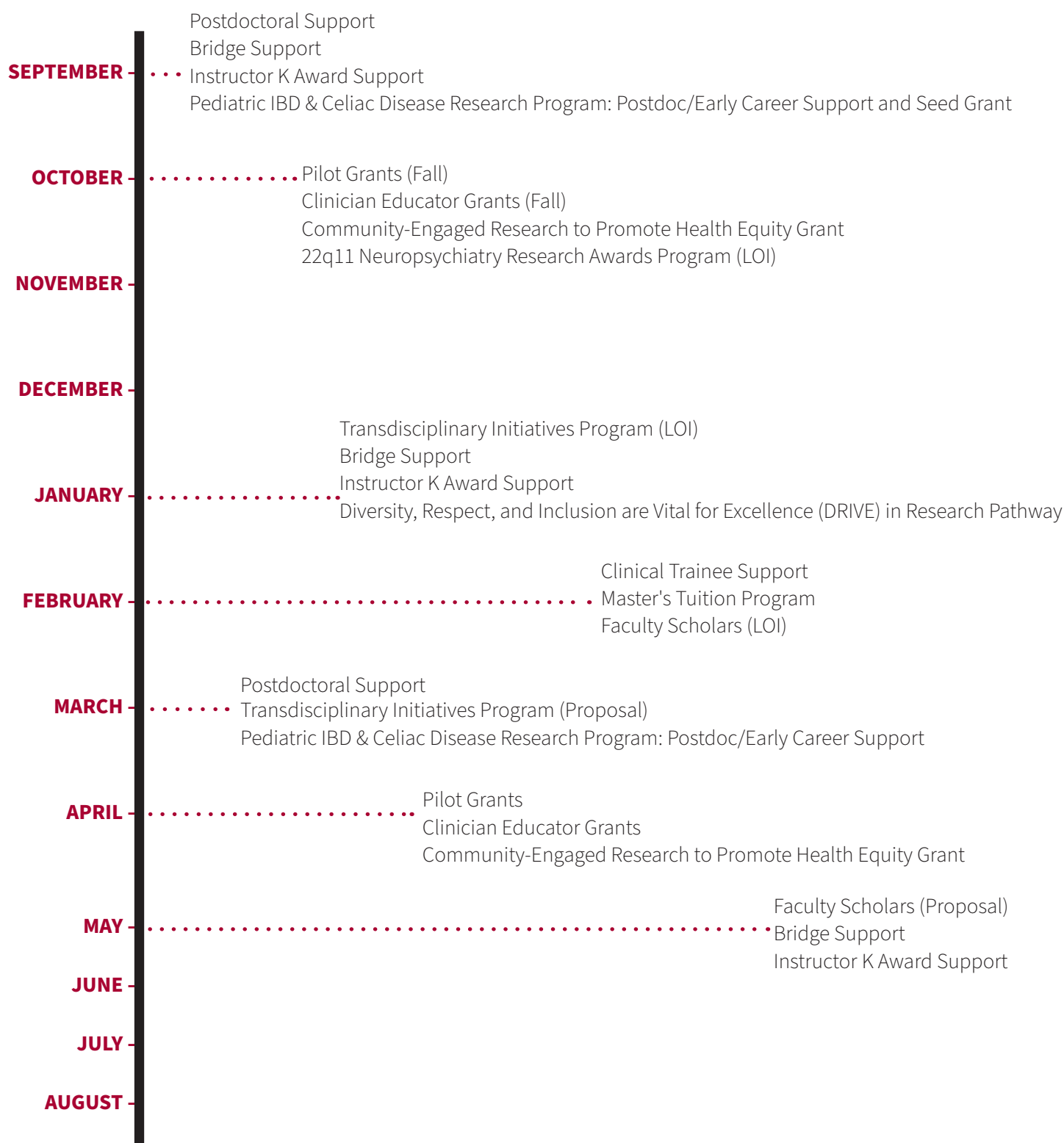


PEDSnet



Qualitative Science Unit

Grants & Programs Timeline



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



MATERNAL & CHILD HEALTH RESEARCH INSTITUTE

800 Welch Road, Palo Alto, CA 94304-5701

mchri_admin@stanford.edu | mchri.stanford.edu

Annual Report FY 2023

MCHRI ADMINISTRATION

Grisel Arrue
Mary Chen, MS, MBA
Jessica Li, MTM
Neta Miller, MBA
Rachael Panizzo, PhD
Carol Schulze
Kimberly Stern
Dongmei Tan, MPH
Carmen Torres
Grant Wells, MS
Jessica Whalen, MS

MCHRI CLINICAL RESEARCH SUPPORT OFFICE (CRSO)

Alyson Falwell, MPH
Kevin Morrison, MS
Tricia Ning
Sijo Thomas, RN, MSN, MBA
Karl Sylvester, MD

MCHRI CLINICAL RESEARCH CORE

Swathi Alagandula
Yael Bichman
Julia Buckingham, CCRP
Sukhada Mairal, PhD
Andrea Miranda
Natalie Rovero
Elvi Sanjines, MS
Mariam (Ani) Stephen
May Zepeda, CCRP

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.

Photo/image credit and courtesy of:

Photos courtesy of LPFCH