

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

June 20 to August 26, 2022



Eyerusalem Alemu | Faculty Mentor: Dr Clea Sarnquist,
Pediatrics

Project Title: *HIV, Violence, and Mental Health Challenges: Triple threats to adolescent girls in Western Kenya*



Pedro Ambriz | Faculty Mentor: Dr Justin Annes,
Endocrinology

Project Title: *Developing A Regenerative Therapeutic for Diabetes*



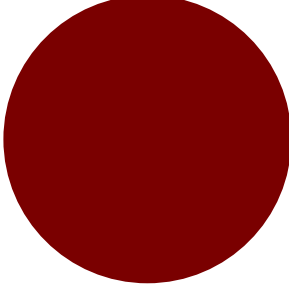
Aiyana Austin | Faculty Mentor: Dr Gary Darmstadt,
Pediatrics

Project Title: *Emollient therapy for improved survival and growth of very low birth weight infants in Zimbabwe*



Jessica Balbin | Faculty Mentor: Dr Hayley Gans, Pediatrics

Project Title: *Immune response to SARS-CoV-2 mRNA vaccine in immunocompromised pediatric patients*



Emelin Cabrera | Faculty Mentor: Dr Anisha Patel,
Pediatrics

Project Title: *Examining Communication and Marketing Strategies to Reduce Food Insecurity among Latino Children in California's San Joaquin Valley*



Mario Gonzalez Ramirez | Faculty Mentor: Dr Elizabeth Egan, Pediatrics

Project Title: *Host-pathogen interactions in malaria: Uncovering the function of an essential erythrocyte host factor*



Tracy Ha | Faculty Mentor: Dr Virginia Winn, Obstetrics and Gynecology

Project Title: *Defining the Human Trophoblast Stem Cell Niche*



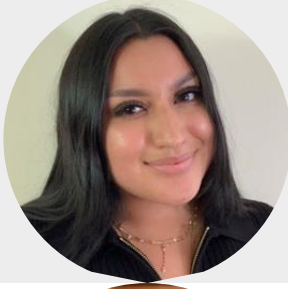
Clarissa Jaime Gonzalez | Faculty Mentor: Dr Henry Lee, Pediatrics

Project Title: *Conversation Circles*



Kelly Huang | Faculty Mentor: Dr Sean Wu, Cardiovascular Medicine

Project Title: *Understanding the mechanism of heart defect in single ventricle congenital heart disease*



Fatima Lopez | Faculty Mentor: Dr Bonnie Halpern-Felsher, Pediatrics

Project Title: *Understanding and Preventing Adolescent and Young Adult Vaping*



Jades Lowrey | Faculty Mentor: Dr Thomas Robinson, Pediatrics and Medicine

Project Title: *Wise Social Psychological Interventions to Improve Outcomes of Behavioral Weight Control in Children with Obesity*



Marte Geana | Faculty Mentor: **Dr Anca Pasca, Pediatrics**

Project Title: *Studying the effects of hypoxia on human brain development using organoids derived from stem cells*



Shriti Parajuli | Faculty Mentor: **Dr Anoop Rao, Pediatrics**

Project Title: *Wearable non-invasive continuous blood pressure sensing in neonates*



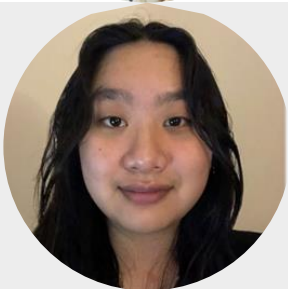
Amanda Rodriguez | Faculty Mentor: **Dr Thomas Robinson, Pediatrics and Medicine**

Project Title: *Discovering Adolescents' Smartphone Food Environments*



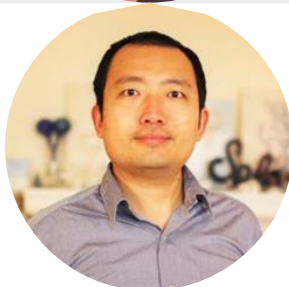
Tania Rojas | Faculty Mentor: **Dr Tulio Valdez, Otolaryngology**

Project Title: *Diagnosis and treatment of pediatric infections with bacterial probes*



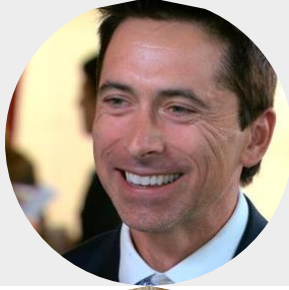
Chanpichiny Ros | Faculty Mentor: **Dr Ruth Lathi, Obstetrics and Gynaecology**

Project Title: *A Randomized Controlled Trial of Frozen Embryo Transfers Performed in Modified Natural vs Programed cycles (NatPRO)*



Belem Salgado | Faculty Mentor: **Dr Jiangbin Ye, Radiation Oncology**

Project Title: *Targeting the pediatric cancer epigenome with metabolic therapy*



Diana Sanchez | Faculty Mentor: Dr Dennis Wall, Pediatrics and Biomedical Data Science

Project Title: *AI for child health and education*



Tuananh Tran | Faculty Mentor: Dr Lee Sanders, Pediatrics

Project Title: *Population Health in Schools*



Sydney Vaughn | Faculty Mentor: Dr Dennis Wall, Pediatrics and Biomedical Data Science

Project Title: *AI for child health and education*



Jordan Vedelli | Faculty Mentor: Dr Kanwaljeet Anand, Pediatrics

Project Title: *Biomarkers for Risk and Resilience in Preschool Children*



Olivia Viruet Quintero | Faculty Mentor: Dr Virginia Winn, Obstetrics and Gynecology

Project Title: *Modeling Human Placenta Using Organoids*



Audrey Xu | Faculty Mentor: Dr Kara Meister, Otolaryngology

Project Title: *Cell Free DNA Sequencing for the Diagnosis of Head & Neck Infections in Children*