

FY22 Core Pilot Program Awardees

Core	Pilot Investigator(s)	Project Title
Biostatistics Core	PI: Alaina Vidmar, MD	Time Limited Eating in Adolescents with Type 2 Diabetes
Cellular Imaging Core	PI: Michael Schumacher, PhD	Immune-mediated regulation of colonic deep crypt secretory cells
FACS Core	PI: Laura Perin, PhD	miR93 and Amniotic Fluid Stem Cell Extracellular Vesicle in Kidney Disease
Human MRI Core	Andrew Marshall, PhD & Elizabeth Sowell, PhD	Lead Exposure, Adiposity, Brain Structure, and Cognition in Children and Adolescents
Human MRI Core	PI: Soniya Pinto, MD Co-PI: Stefan Bluml, PhD	Magnetic Resonance Spectroscopic analysis of the splenium of the corpus callosum in B-cell Acute Lymphoblastic Leukemia patients
Human MRI Core	PI: Melinda Chang, MD Co-PI Natasha Lepore, PhD	Understanding cortical visual impairment (CVI) in children using magnetic resonance imaging
Neuropsychology Core	PI: Mimi Kim, MD, MSc	Best Starts in CAH (Neurodevelopment and Best Starts in Youth with Congenital Adrenal Hyperplasia)
Small Animal Imaging Core	PI: Sargis Sedrakyan, PhD	Extracellular Vesicle Therapy for Chronic Kidney Disease
Small Animal Imaging Core	PI: Rongfu Wang, PhD	Development of therapeutic vaccines against brain cancer
Small Animal Imaging Core	PI: Miller Huang, PhD	Characterizing the role of MYC proteins in Medulloblastoma
Small Animal Imaging Core	PI: Joseph Miller, MD, MS	Sirolimus-associated Testicular Toxicity at Low Clinical Dosing
SC2 Core	PI: Jessica Ward & Co-PI: Hisham Abdel-Azim, MD, MS	Effect of Xylitol on the Oral Microbiome, Mucositis and Bloodstream Infections in Children Undergoing Stem Cell Transplantation

SC2 Core	PI: Ching-Ling (Ellen) Lien, PhD Co-PI: Stanislao Travisano	Genome regulation of human Cardiac Lymphatic Progenitors
SC2 Core	PI: Johanna Ascher Bartlett, MD Co-I: Beth Carter, MD Co-I: Juliet Emamaulee, MD, PhD	Predictive Biomarkers of Progression of Acute Liver Failure in Children
SC2 Core	PI: Laura Perin, PhD	Effect of hypothyroidism on skeletal muscle tissue regeneration
SC2 Core	PI: Jessica Deas, MD Co-I: Sonia Michail, MD, FAAP, CPE, AGAF	Characterization of the Intestinal Microbiome, Chronic Inflammation and Clinical Outcomes in Children with Short Bowel Syndrome
SC2 Core	PI: Naseem Ravanbakhsh, MD Co-I: Yuhua Zheng, MD, MS	Gastrointestinal inflammation in Cystic Fibrosis Patients
SC2 Core	PI: Linda Wang, MD	The Role of Malrd1 in Intestinal Proliferation
SC2 Core	PI: David Cobrinik, MD, PhD	Inference of somatic copy number alteration from primary retinoblastoma tumor single nucleus RNA sequencing (snRNAseq)