

LaunchPad for Diabetes Funded Projects 2015 - 2019

2018

Renewal: AAV mediated gene therapy for diabetes

Edward Perez-Reyes PhD-Pharmacology
Jennifer Kirby MD-Endocrinology and Metabolism
Thurl Harris, PhD-Pharmacology

Renewal: Novel Cytokine Therapy for Type 1 Diabetes

Rahul Sharma PhD-Center for Inflammation and Regeneration
Mark Okusa MD-Nephrology

A Multiparametric Biosensor Assay for Standardized Characterization of Islets

Huiwang Ai, PhD, Molecular Physiology & Biological Physics
Jose Oberholzer, MD, Chief of Transplant and Director of Transplant Center
Yong Wang, PhD, Transplant Surgery

Exploration of Lactriep for Pancreatic Islet Expansion, Survival & Post Transplantation Immunosuppression

Gordon Laurie, PhD, Cell Biology
Ken Brayman, MD, Surgery

BAFF 60mer as a novel therapeutic target for Type 1 diabetes

Akshaya Meher, PhD, Pharmacology & CVRC
Coleen McNamara, MD, Medicine: Cardiovascular

2017

Renewal: Novel Cytokine Therapy for Type 1 Diabetes

Rahul Sharma PhD, Center for Inflammation and Regeneration
Mark Okusa MD, Nephrology

Microfluidic Selection of Functional Islets for Transplantation in Diabetes

Shayn Peirce-Cottler PhD, Biomedical Engineering
Nathan Swami, PhD, Electrical and Computer Engineering
Ken Brayman MD, Surgery.

Improve islet transplant outcomes for Type 1 diabetes by minimizing rapamycin immunotoxicity

Jose Oberholzer MD, Chief of Transplant and Director of Transplant Center
Yong Wang, PhD, Transplant Surgery

AAV mediated gene therapy for diabetes

Edward Perez-Reyes PhD, Pharmacology
Jennifer Kirby MD, Endocrinology and Metabolism
Thurl Harris, PhD, Pharmacology.

Enhancement of glucagon counterregulation in type 1 diabetes by basal amylin replacement

Leon Farhi, PhD- Endocrinology and Metabolism
Stacy Anderson, MD-Medical Director of the Center for Diabetes Technology.

2016

RENEWAL: Targeting adipose tissue lipolysis to prevent postoperative hyperglycemia and improve recovery in rodent model of T1DM

Thurl Harris PhD, Pharmacology

Alex Kadl MD, Pulmonary and Critical Care Medicine

Microfluidic Selection of Functional Islets for Transplantation in Diabetes

Shayn Peirce-Cottler, PhD, Biomedical Engineering

Nathan Swami, PhD, Electrical Engineering

Ken Brayman, MD, Surgery

Novel Cytokine Therapy for Type-1 Diabetes

Rahul Sharma, PhD, Nephrology

Mark Okusa, MD, Nephrology

Role of Extracellular Vesicle for Vascular Health in Adults with Prediabetes

Steven Malin, PhD, Kinesiology

Uta Erdbrugger, MD, Nephrology

Modulating Diacylglycerol Kinase Activity to Enhance Insulin Secretion in Type 2 Diabetes (pilot project)

Ken Hsu, PhD, Chemistry & Pharmacology

Application of Machine Learning to Identify Diabetic Patients at Risk for High Atherosclerotic Burden in Coronary Arteries (pilot project)

Michael Lawrence, PhD, Biomedical Engineering

Coleen McNamara, MD, Cardiovascular Medicine

2015

Development of Dendritic cell (DC) therapeutic intervention for type 1 Diabetes (T1D)

Amandeep Bajwa PhD, Nephrology

Mark Okusa MD, Nephrology

Design and Testing of a Closed-Loop System for Control of Type 1 Diabetes in Young Children 5-8 years old

Mark DeBoer MD, Pediatrics-Division of Pediatric Endocrinology & Diabetes

Daniel Chernavsky MD, Psychiatry and NB Sciences

Treatment of diabetic retinopathy with microRNA-let-7b inhibitor

Bijan Dey PhD, Biochemistry and Molecular Genetics

Paul Yates MD, Ophthalmology

Targeting adipose tissue lipolysis to prevent postoperative hyperglycemia and improve recovery in rodent model of T1DM

Thurl Harris PhD, Pharmacology

Alex Kadl MD, Pulmonary and Critical Care Medicine