UCSF Catalyst Program

2024 Awardees

Aaron Kornblith, MD - AI-enabled Point-of-care Ultrasound Solution and Clinical Integration in the Emergency Department

Adam Abate, PhD and Charles Chiu, MD, PhD - Hundred-plex Digital PCR with PACE to Advance Neurologic Infection Diagnostics

Andreas Rauschecker, MD, PhD - Finding Our Neuroimaging Twins and Imaging Neighbors (FOUNTAIN): A Brain MRI Similarity Search Engine

Doris Wang, MD, PhD, Hamid Fekri Azgomi, PhD, and Rithvik Ramesh - Development of Personalized Adaptive Deep Brain Stimulation for Enhancing Gait Functions in Patients with Parkinson's Disease

Charles Craik, PhD - A Structure-Guided Approach to Antibody-Based Herpesvirus Inhibition

Jacob Young, MD and John De Groot, MD - Development of Hand-held Intraoperative Focused Ultrasound Device for Glioma Patients

Joseph Sabatino, MD, PhD and Yu Zhou - Novel Bispecific Antibody to Disrupt the B Cell-T Cell Axis in Multiple Sclerosis and Other Autoimmune Diseases

Juan Qin, PhD - Harnessing Immune Checkpoint Inhibitors for Cardiac Repair

Kyle Cromer, PhD - Enhancing Erythropoiesis Using Base Editors

Linda Giudice, MD, PhD and Susan Fisher, PhD - Biomarker Discovery to Diagnose Endometriosis: A Pilot Study

Luis Savastano, MD, PhD and Can Senol, MD - A Minimally Invasive System for Brain Surgery

Nadav Ahituv, PhD - Engineered Adipocytes that Outcompete Tumors for Reagents as a Novel Cancer Therapy

O'Rese Knight, MD - Mercury: A Wearable Intraocular Pressure Monitor

Tommaso Di Ianni, PhD - Minimally Invasive Closed-loop Neuromodulation via Combined Focused Ultrasound and Functional Ultrasound Imaging

William Krause, PhD, Muriel Babey, MD, and Holly Ingraham, PhD - Optimizing a Novel Osteoanabolic Hormone to Treat Fragile Bone Diseases

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