## MCC-C3 Padres Pedal the Cause Spring 2019

Identification of regulatory programs for glioblastoma cellular hierarchy using single- cell multi-omic profiling

Joseph Ecker, PhD (Salk) Jeremy Rich, MD, MHS, MBA (MCC) Jesse Dixon, MD, PhD (Salk)

## Scientific Abstract:



## Lay Abstract:

Cell type heterogeneity is a major contributor to the therapeutic resistance of glioblastoma. The goal of this project is to understand the molecular identity of different cell types in glioblastoma tumors. Using single-cell strategies, the project will reveal the gene regulatory programs that drive the progression of glioblastoma.

