

CIRM Funded Clinical Trials

Evaluation and Characterization of SARS-CoV-2 Antibody in Convalescent Volunteer Plasma Donors for Potential Therapeutic Use

Disease Area:	COVID-19
Investigator:	John Zaia
Institution:	City of Hope, Beckman Research Institute
CIRM Grant:	CLIN2COVID19-11775
Award Value:	\$999,999
Trial Sponsor:	Beckman Research Institute of City of Hope
Trial Stage:	Phase 1
Trial Status:	Launching
Targeted Enrollment:	N/A



John Zaia

Details:

Plasma is a component of blood that carries proteins called antibodies that are usually involved in defending our bodies against viral infections. Blood plasma from patients that have recovered from COVID-19, referred to as convalescent plasma, contain antibodies against the virus that can be used as a potential treatment for COVID-19.

Design:

Currently, there are challenges with using blood plasma to treat COVID-19 that include: properly identifying convalescent plasma donors i.e. recovered patients, determining eligibility of those with convalescent plasma that want to donate, collection of the plasma, treating patients, and determining if the plasma was effective. Dr. Zaia and his team at City of Hope will create the COVID-19 Coordination Program to address solutions for all of these challenges. The program will partner with the medical teams at CIRM's Alpha Stem Cell Clinic Network, as well as infectious disease, pulmonary and critical care teams from medical centers and community hospitals across the state. Potential donors will be identified and thoroughly screened for eligibility per the established National and State blood banking safety requirements. Finally, the convalescent plasma will be collected from eligible donors and administered by licensed physicians to COVID-19 patients, who will be evaluated for response to the treatment and potential recovery.

Goal:

Safety & Efficacy.