Details:
A team at Stanford University is using a molecule known as an antibody to target cancer stem cells. This antibody can recognize and bind to CD47, a protein the cancer stem cells carry on their cell surface. The cancer cells use that protein to evade the component of our immune system that routinely destroys tumors. By disabling this protein with the CD47 targeting antibody, the team hopes to empower the body’s own immune system to attack and destroy the cancer stem cells. The clinical trial testing this therapy has concluded and has led to another CIRM-funded trial by Forty-Seven, Inc.

Goal:
Safety. Dose range finding. Determination of maximum tolerated dose.

Source URL: https://www.cirm.ca.gov/clinical-trial/clinical-investigation-humanized-anti-cd47-antibody-targeting-cancer-stem-cells