

CRISPR Competency Hub for the California Institute for Regenerative Medicine (CIRM) Alpha Clinics Network

The **CRISPR Competency Hub** at the Innovative Genomics Institute (IGI), hosted through the UCSF Alpha Clinic, is a genomic editing resource that helps investigators develop the skills needed to design editing strategies for disease-causing mutations. It supports the engineering of RNA-guided CRISPR-based effectors and their testing in clinically relevant cell types using IND-grade assays. In parallel, analytical assays are developed and optimized to identify those best suited for each disease team's specific project needs.

KEY SERVICES PROVIDED

Identify optimal editor and editing strategy to repair disease-causing mutation(s) to 'research lead' editor.

Optimize CRISPR-based editor/strategy potency and specificity for use in preclinical development (IND-enabling efficacy studies).

Develop a comprehensive suite of analytical assays to profile and release the manufactured drug product and post-infusion to establish long-term potency and safety.

To discuss how we can provide services for your CIRM Alpha Clinic Network trials, please contact us at alphascc@ucsf.edu.