



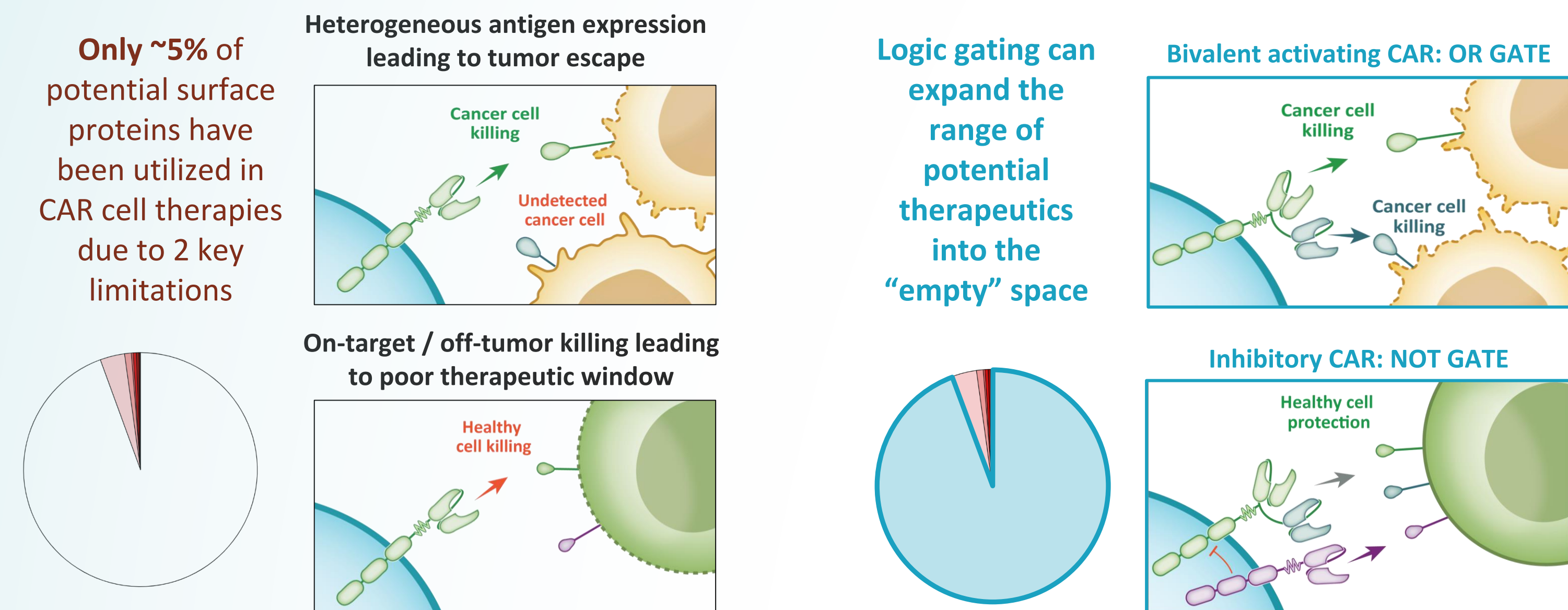
High-Throughput Engineering of Logic-Gated Gene Circuits for Precision NK and T Cell Therapies

Senti Biosciences, Inc. South San Francisco, CA

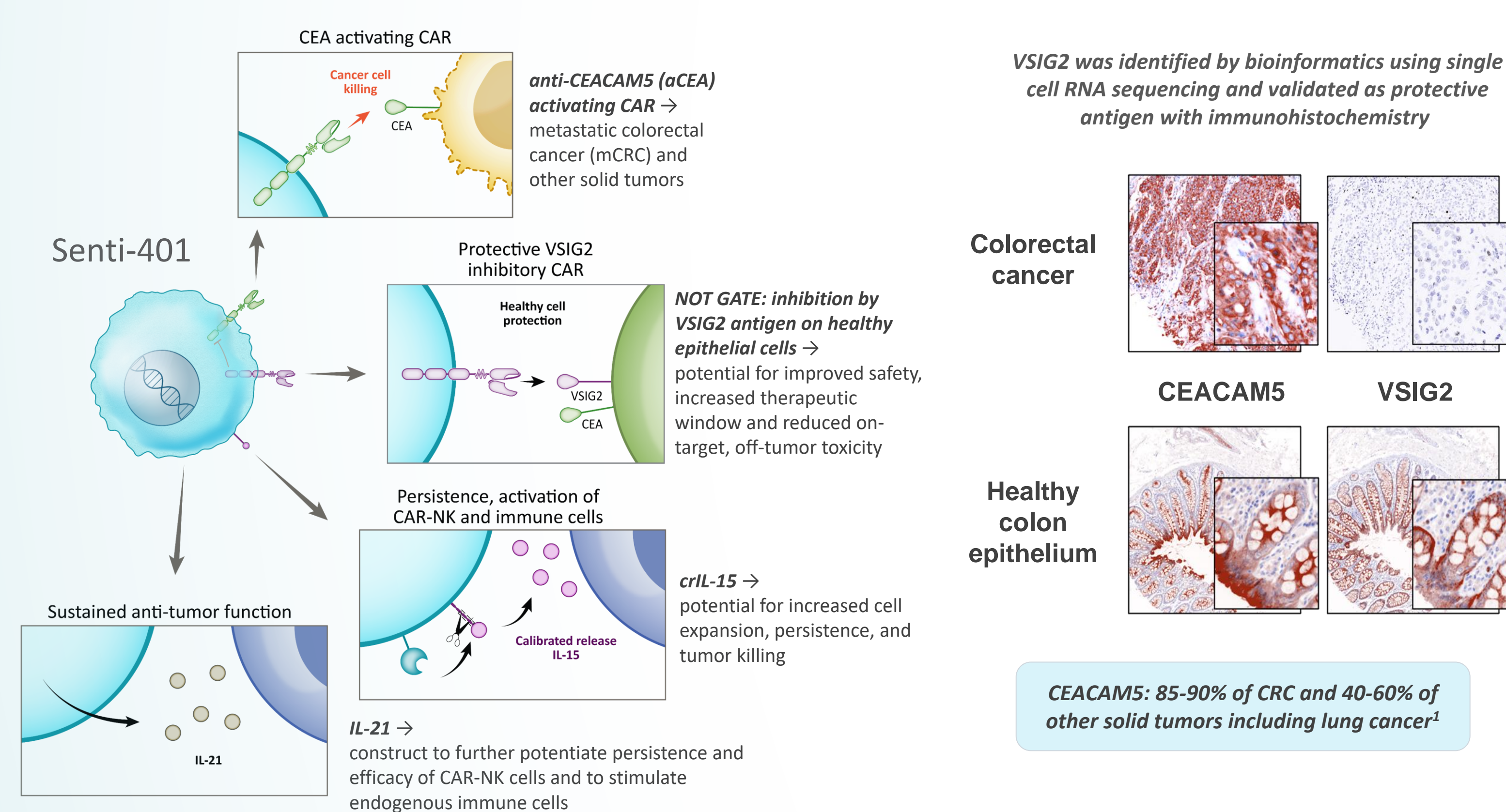
ASGCT
Los Angeles
Abstract #1408

Nicholas W. Frankel, Ippolito I. Caradonna, Marcus A. Gainer, Junjie Tony Hua, Brian Garrison, Russell M. Gordley, Timothy K. Lu

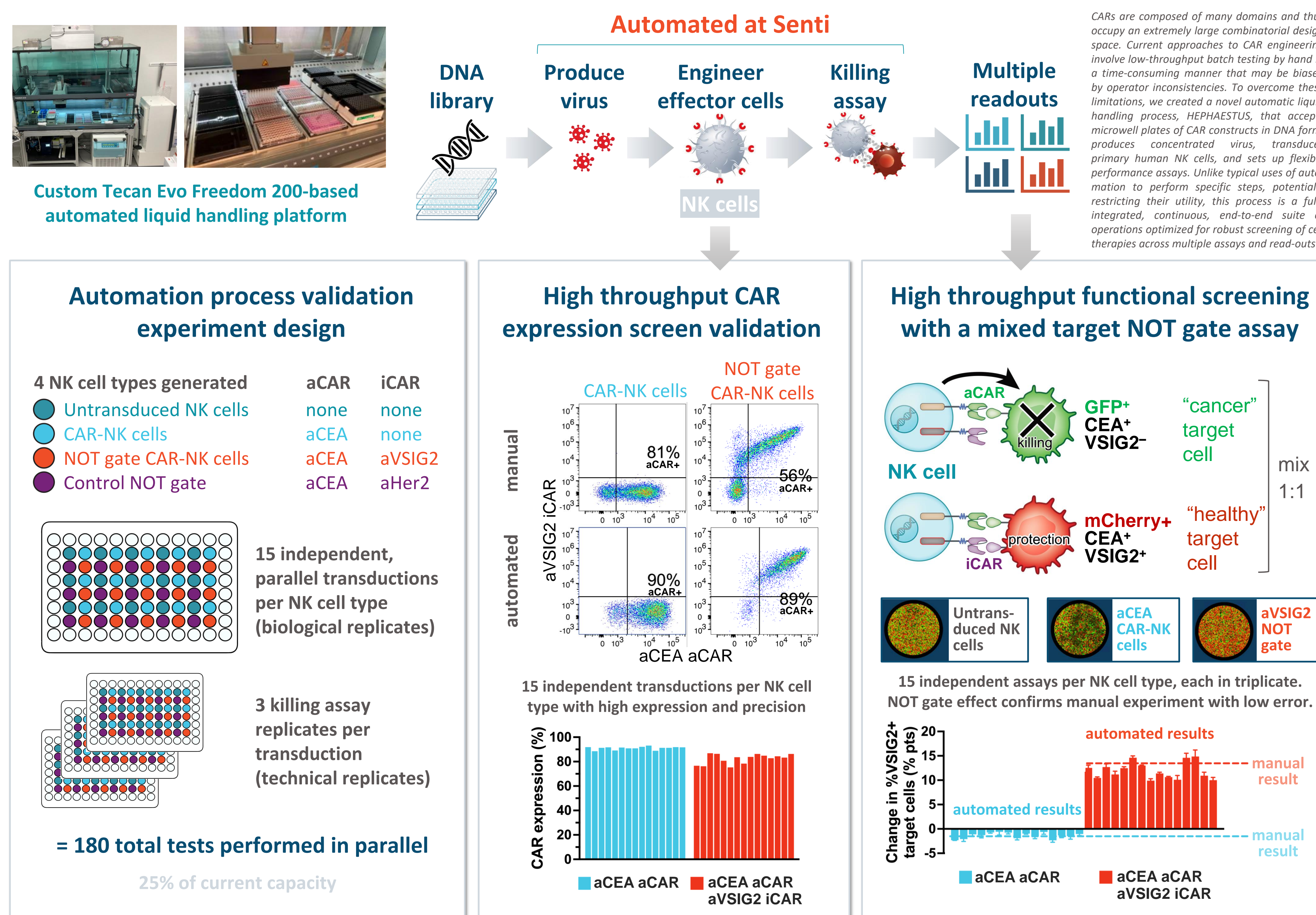
Logic gating broadens tumors addressable by CAR cell therapies



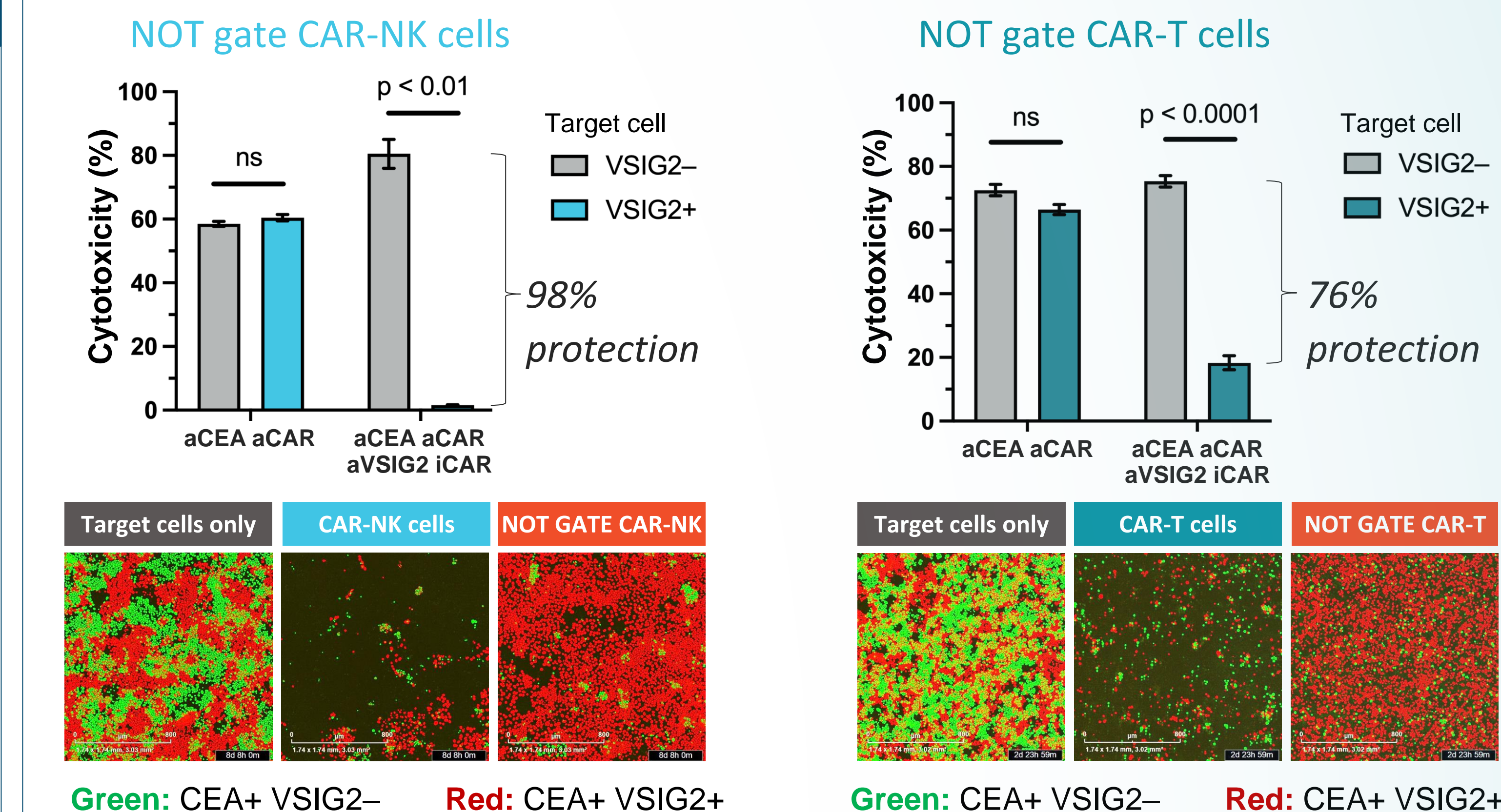
Senti-401: an off-the-shelf CAR-NK cell therapy with logic gating



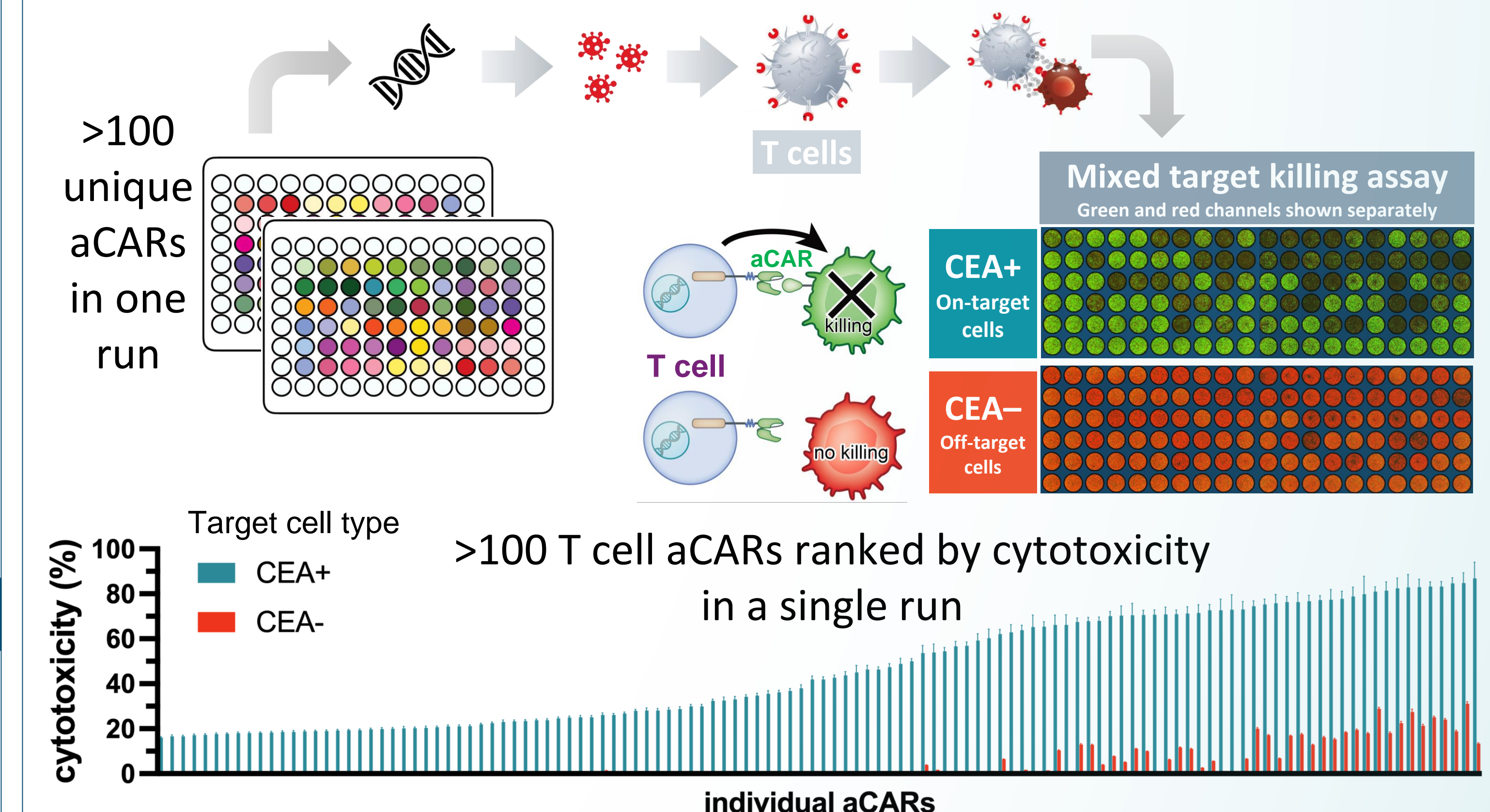
"HEPHAESTUS" High-throughput Engineering Platform with Hands-off Automation for Evaluating Smart Therapies with Unbiased Screening



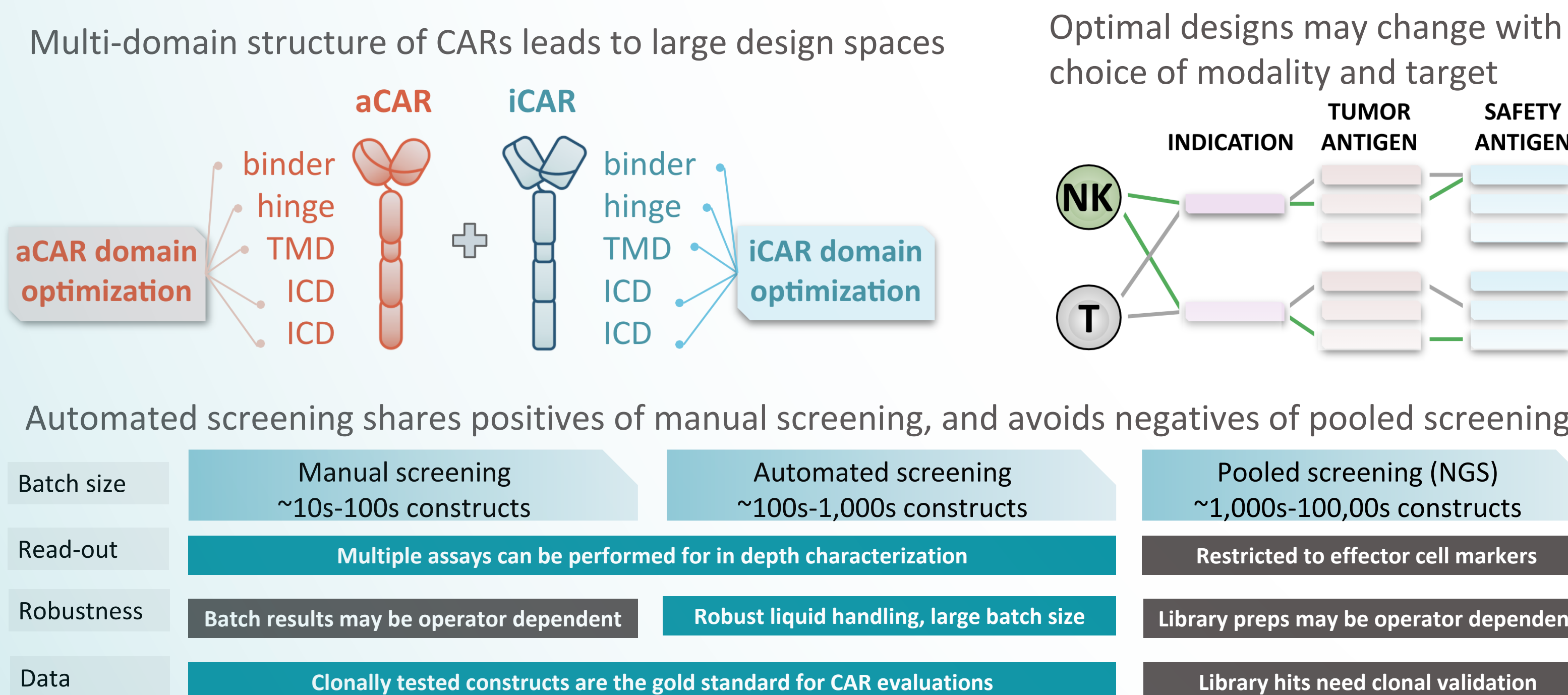
Manual validation of HTS-optimized NOT gates



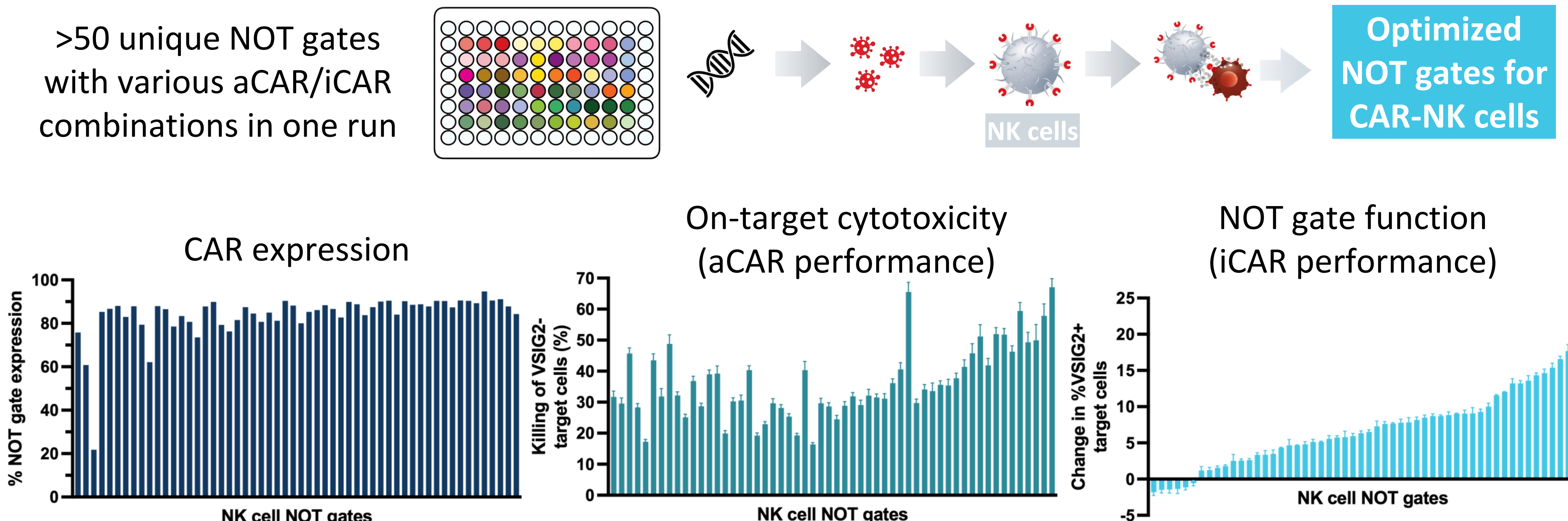
Fully automated process also works with CAR-T cells



Screening combinatorially complex CAR cell therapies



Optimization of NOT gates for Senti-401 using automated workflow



Take-aways

