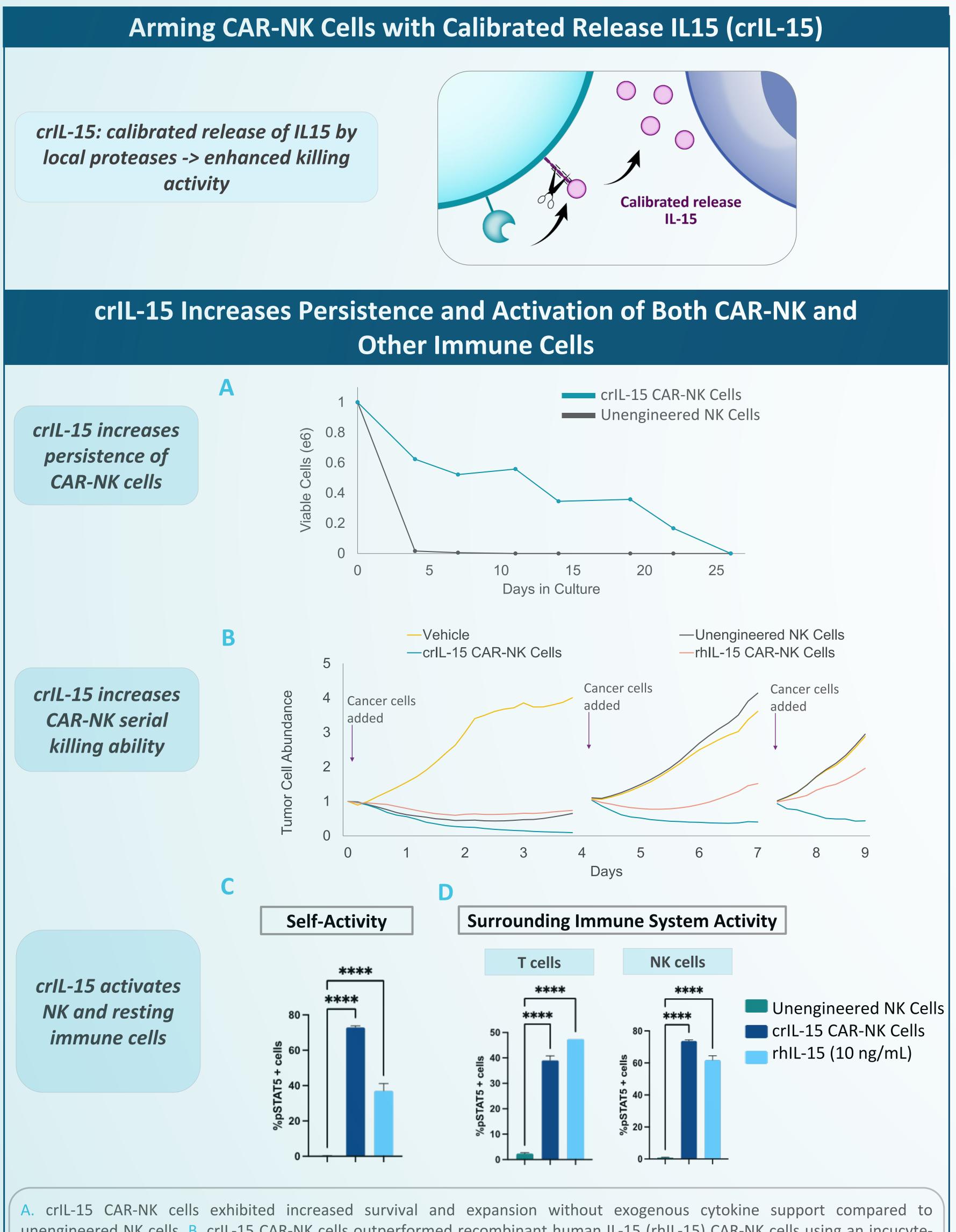


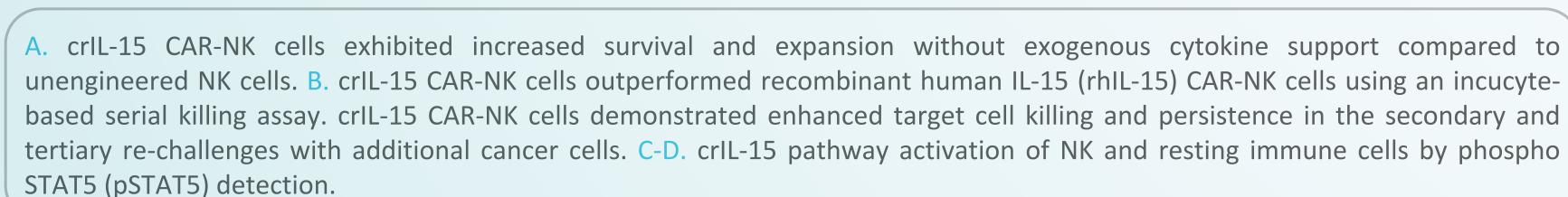
Off-the-Shelf CAR-NK Cells Engineered to Express Calibrated Release IL-15 Exhibit Enhanced Persistence and Anti-Tumor Activity

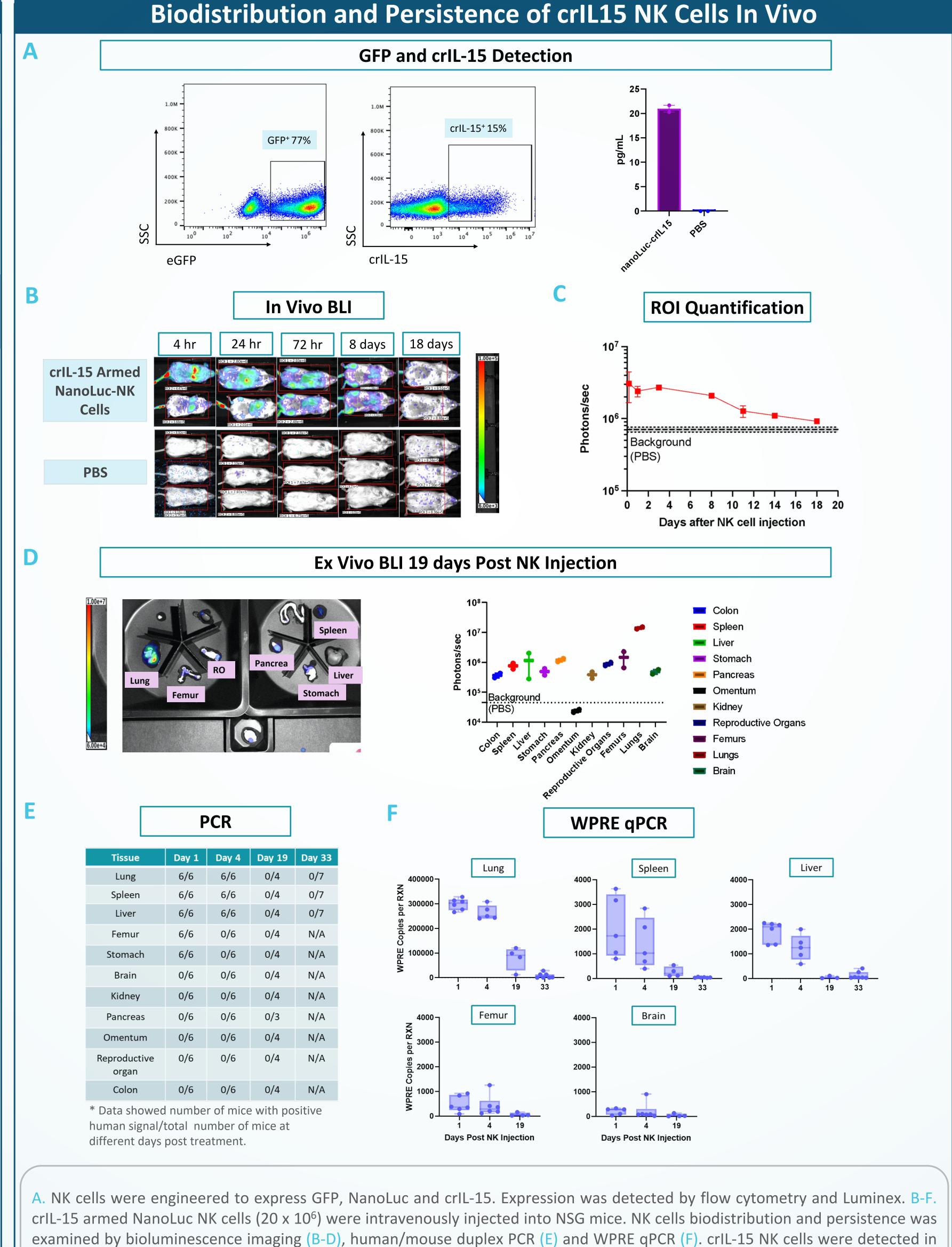
Senti Biosciences, Inc. South San Francisco, CA

AACR Annual Meeting 2023, Orlando, FL Abstract Presentation #2902

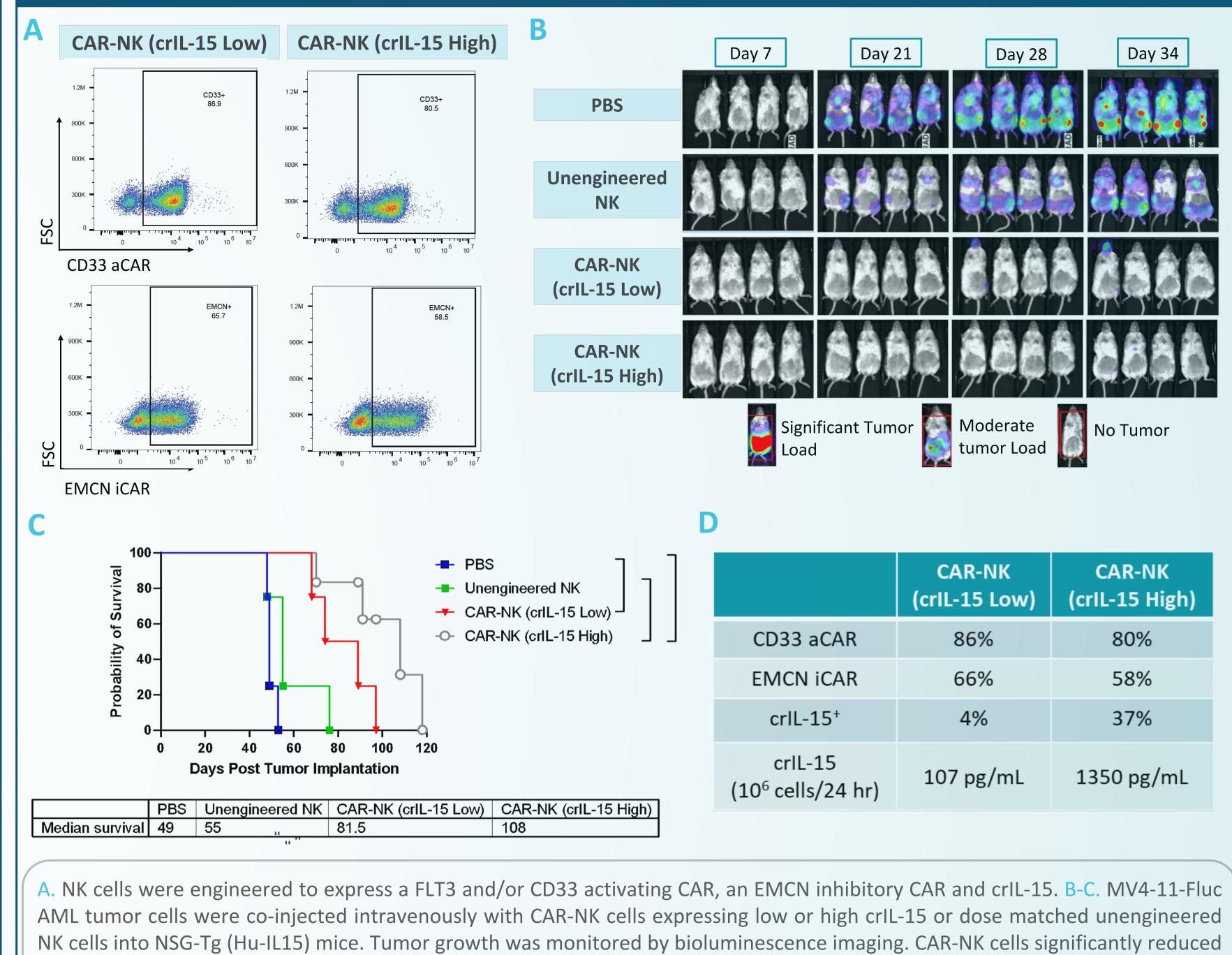
Kelly Chen-Ting Lee, Michelle Hung, Andrew Banicki, Wenqi Song, Niran Almudhfar, Deepika Kaveri, Priscilla Wong, Lawrence Naitmazi, Marcela Guzman, Alice Lam,
Gozde Yucel, Timothy Lu, Alba Gonzalez Junca, Brian Garrison and Philip Lee







the lung, femur, spleen, liver and stomach 1 day post injection and lasted up to 20 days in the lung.



Anti-Tumor Activity of crlL15 CAR-NK Cells In Vivo

Summary

Senti has designed the calibrated release technology to simultaneously stimulate surrounding immune cells and promote CAR-NK cell expansion, persistence, and tumor killing.

MV4-11 tumor burden and prolonged mouse survival compared to unengineered NK cells. D. The improved anti-tumor functions

Effects of crlL-15 on CAR-NK cell functions in vitro:

correlated with IL-15 levels produced by the CAR-NK cells.

- crlL-15 increased in vitro persistence and target tumor cell killing ability of CAR-NK cells.
- crIL-15 activated both NK and other immune cells.
- Effects of crlL-15 on CAR-NK cell functions in vivo:
 - crlL-15 CAR-NK cells significantly reduced MV4-11 tumor burden and prolonged mouse survival compared to unengineered NK cells.
 - The improved anti-tumor function correlated with IL-15 levels produced by the CAR-NK cells.

Contact: kanya.rajangam@sentibio.com