

Outsmarting Complex Diseases with Intelligent Medicines

Corporate Overview

January 2022



Disclaimer

This presentation ("Presentation") is for informational purposes only. By accepting this Presentation, the recipient acknowledges and agrees that all of the information contained herein is confidential, that the recipient will distribute, disclose, and use such information only for such Purpose and that the recipient shall not distribute, disclose or use such information in any way detrimental to Senti. The information contained herein does not purport to be all-inclusive and Senti nor any of its respective affiliates nor any of its or their controlling persons, officers, directors, employees or representatives makes any representation or warranty, express or implied, as to the accuracy, completeness or reliability of the information contained in this Presentation.

Certain statements in this Presentation may be considered forward-looking statements. Forward-looking statements generally relate to future events or Senti's future financial or operating performance. For example, statements concerning the following include forward-looking statements: Senti's ability to identify, develop and commercialize product candidates; the initiation, cost, timing, progress and results of research and development activities, preclinical or clinical trials with respect Senti's drug candidates; and future revenue, expenses, capital requirements and needs for additional financing. In some cases, you can identify forward-looking statements by terminology such as "may", "should", "expect", "intend", "will", "estimate", "anticipate", "believe", "predict", "potential" or "continue", or the negatives of these terms or variations of them or similar terminology. Such forward-looking statements are subject to risks, uncertainties, and other factors which could cause actual results to differ materially from those expressed or implied by such forward-looking statements. These forward-looking statements are based upon estimates and assumptions that, while considered reasonable by Senti and its management, as the case may be, are inherently uncertain. New risks and uncertainties may emerge from time to time, and it is not possible to predict all risks and uncertainties. Factors that may cause actual results to differ materially from those as a swell as factors associated with companies, such as Senti, that are engaged in preclinical studies and other research and development activities in the biopharma industry, including uncertainty in the timing or results of preclinical studies and clinical trials, product acceptance and/or receipt of regulatory approvals for product candidates, including any delays and other impacts from the COVID-19 pandemic. Nothing in this Presentation should be regarded as a representation by any person that the forward-looking statements will be achieved or that any of the cont

Certain information contained in this Presentation relates to or is based on studies, publications, surveys and Senti's own internal estimates and research. In addition, all of the market data included in this Presentation involve a number of assumptions and limitations, and there can be no guarantee as to the accuracy or reliability of such assumptions. Finally, while Senti believes its internal research is reliable, such research has not been verified by any independent source.

SENTI BIO



Senti Bio designs gene circuits for next-gen cell and gene therapies **Proprietary gene circuit technology platform** enables the development of "smart" next-gen cell and gene therapies with enhanced efficacy, safety and control

Multiple therapeutic modalities (e.g. NK cells, T cells, iPSCs, gene therapy, mRNA, etc.) offering vast opportunities

Potential to address patients with high unmet needs in oncology, immunology, genetic diseases, neurology, cardiology, ophthalmology, and more

Differentiated Allogeneic CAR-NK Oncology Pipeline and **Collaborations** with Spark (Roche) and BlueRock (Bayer)

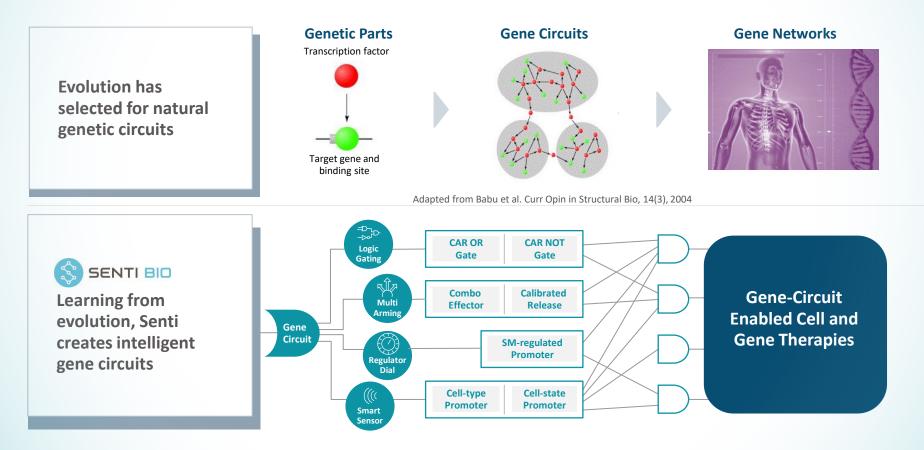
Allogeneic CAR-NK Anticipated IND filings in 2023 for product candidates SENTI-202 (AML) and SENTI-301 (HCC)



Today's Cell and Gene Therapies Cannot Resolve Fundamental Disease Challenges

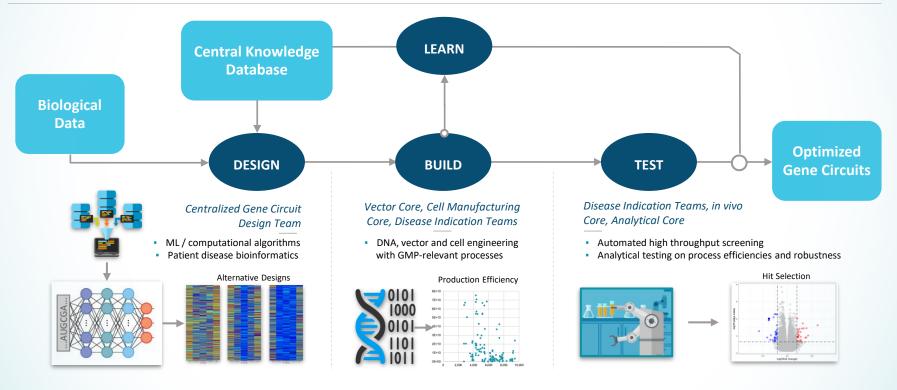
...AND CANNOT OVERCOME FUNDAMENTAL CURRENT CELL AND GENE THERAPIES ARE SIMPLISTIC... **DISEASE CHALLENGES** Unable to precisely distinguish TARGET HETEROGENEITY diseased versus healthy cells **CAR-NK CAR-T** Unable to overcome multiple DISEASE EVASION disease mechanisms TIL **iPSC** Unable to be regulated after $\overline{\mathbb{N}}_{\sim}$ NARROW THERAPEUTIC WINDOW delivery into patients Gene Therapy Unable to adapt to disease DYNAMIC DISEASE CONDITIONS conditions

Senti's Gene Circuits Use Biological Computation to Solve Biological Problems



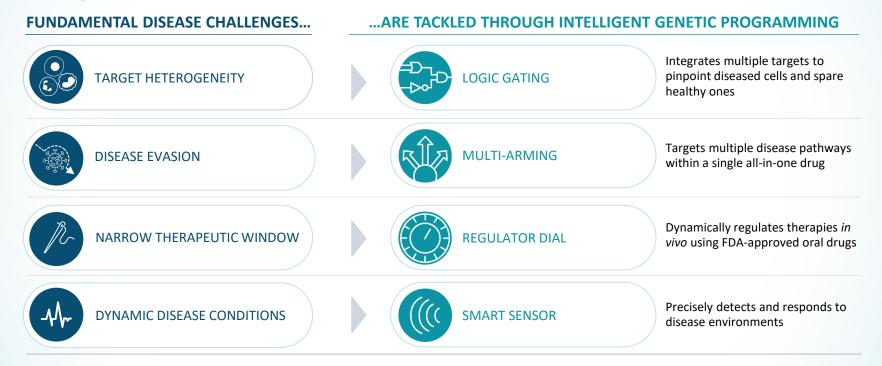
Powerful and Scalable Engine Optimizes Gene Circuits to Enable Creation of Intelligent Medicines

SENTI'S DESIGN-BUILD-TEST-LEARN ENGINE

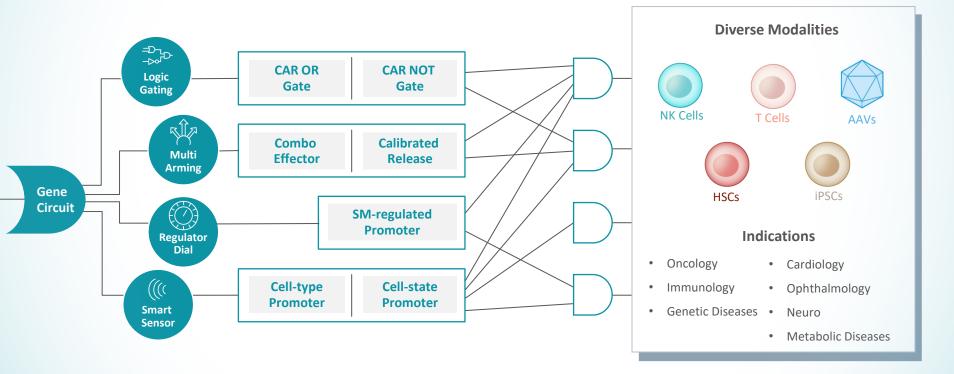




Senti's Gene Circuit Platform is Designed to Overcome Fundamental Disease Challenges



Gene Circuits Could Potentially Power Multiple Cell and Gene Therapy Modalities for Broad Therapeutic Potential



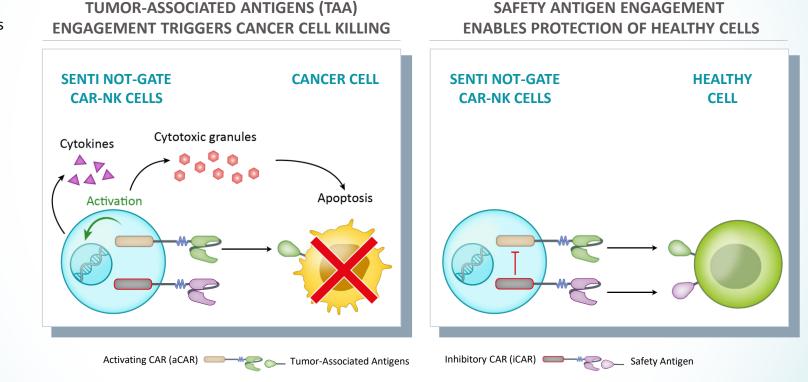


Logic Gating Enables Highly Specific Therapies by Recognizing Multiple Antigens

Toolbox of Gene Circuits

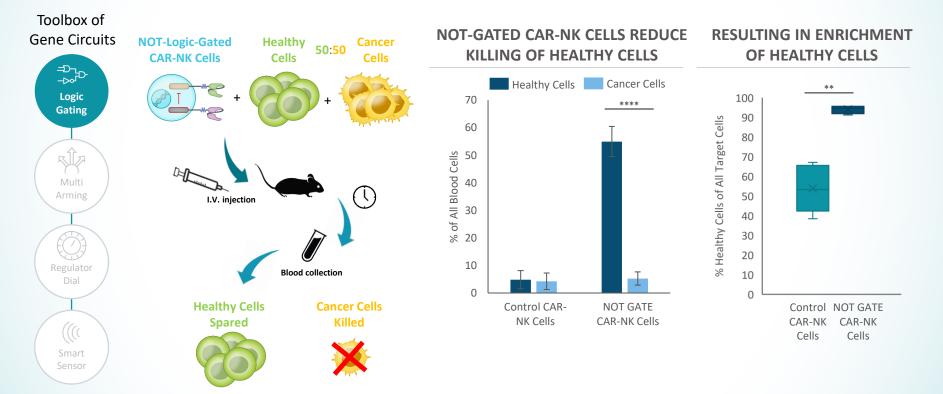
> Logic Gating

Regulator



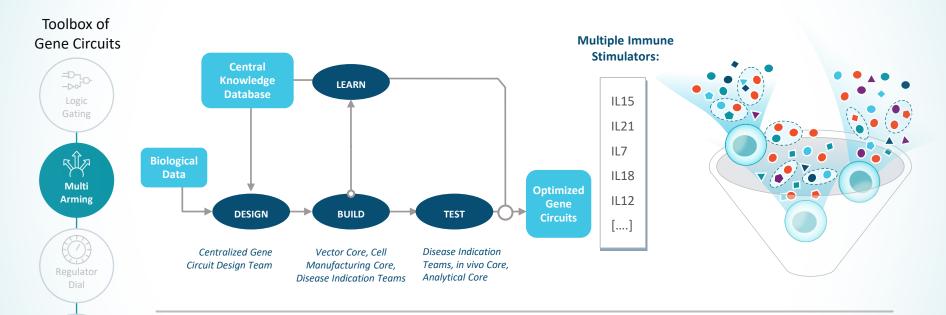


NOT Logic Gate Functions In Vivo to Specifically Kill Cancer Cells and Spare Healthy Cells





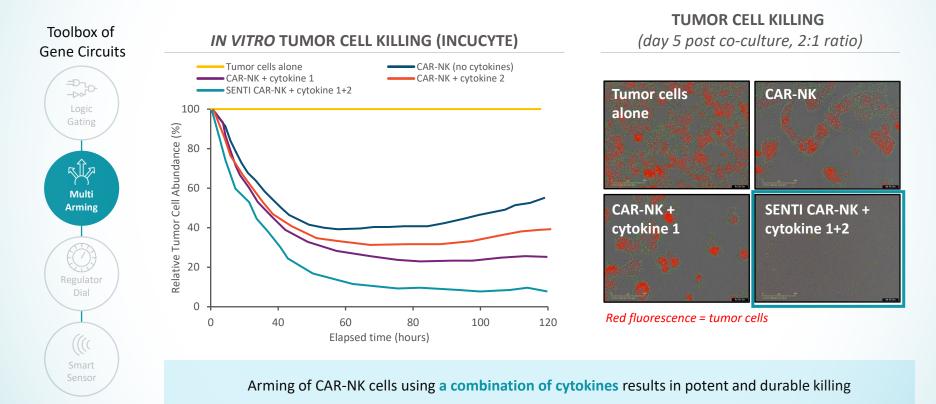
Multi-Arming Circuits Enable All-in-One Combination Cell and Gene Therapies



Use of Senti's Design-Build-Test-Learn Engine optimizes each payload's expression level and which combinations are expressed from Multi-Arming gene circuits to enhance therapeutic activity

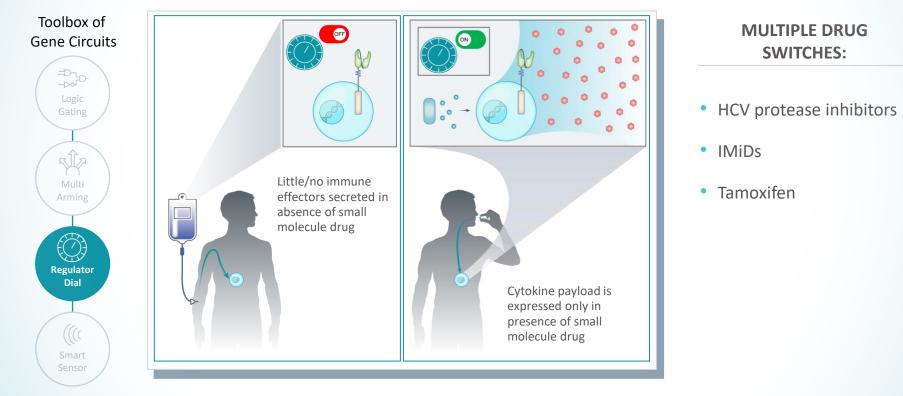


Multi-Armed CAR-NK Cells Exhibit Significantly Improved Killing of Cancer Cells



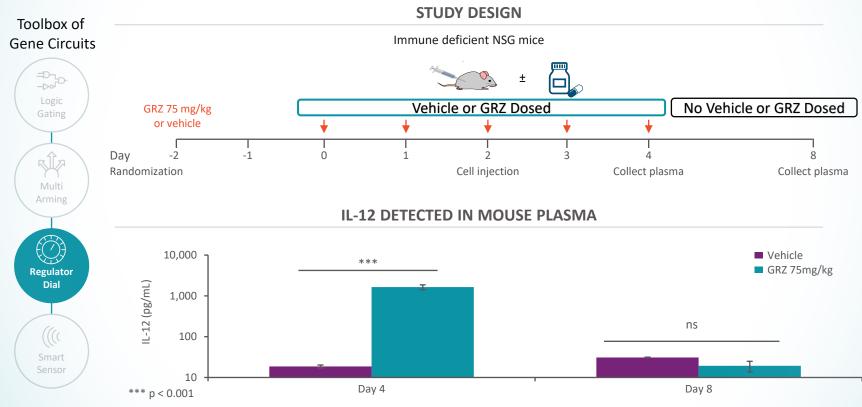


Regulator Dial Circuit Potentially Enables Control of Cell Therapies Using FDA-Approved Drugs



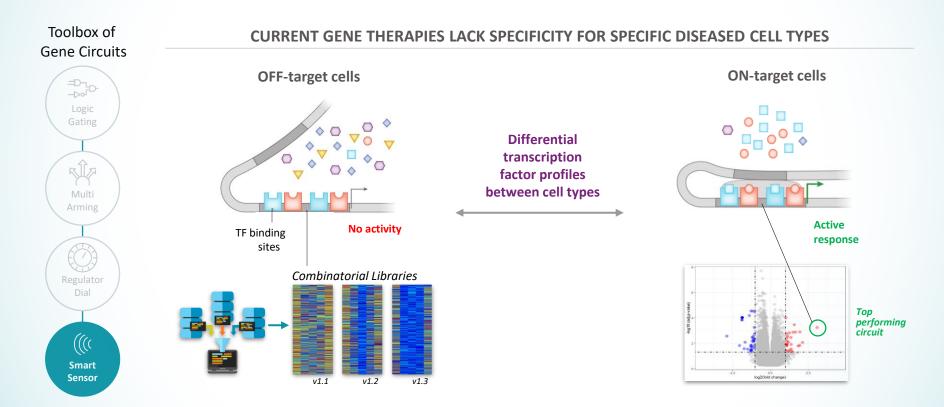


Regulator Dial Enables ~90-fold ON/OFF Control of IL-12 Secretion In Vivo

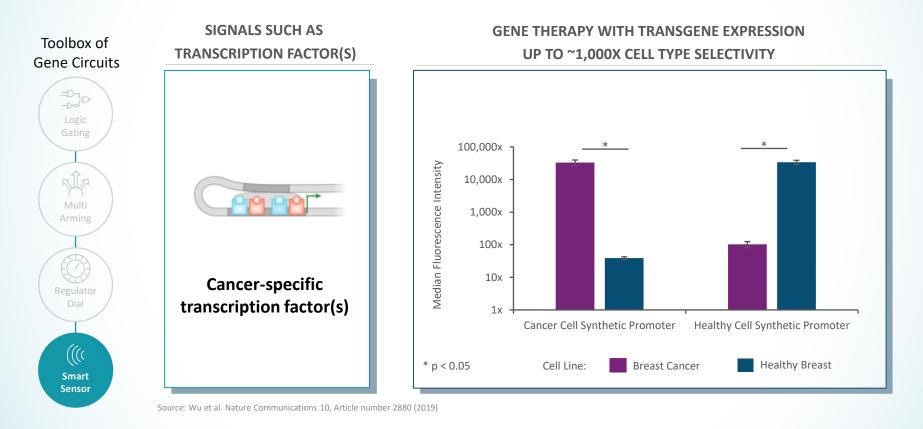




Smart Sensors Enable Precise and Dynamic Recognition of Diseased Cells



Smart Sensor Promoters Enable up to 1,000-fold Selectivity for Diseased Cells



16

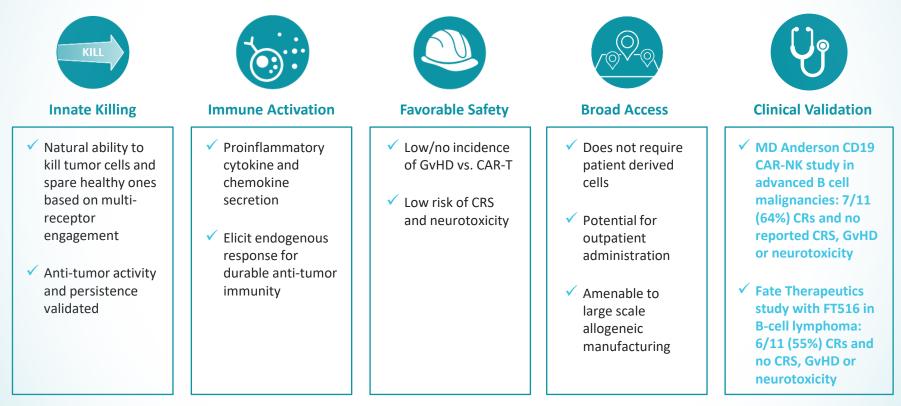


Gene Circuit Enabled Pipeline With Additional Collaboration Opportunities

| Modality | Gei | ne Circuit | Name | Indication | Discovery | Preclinical | Phase 1 | Phase 2 | Phase 3 | Rights |
|---|------------|-----------------------------|-------------------|-----------------------------|-----------|-------------|---------|---------|---------|--------------|
| Allogeneic NK Cells for Oncology | A P | Logic Gating | SENTI-202 | Acute Myeloid Leukemia | | | | | | |
| | | | SENTI-401 | Colorectal Cancer | | | | | | |
| | | | SENTI-411 | Solid Tumors | | | | | | |
| | | | SENTI-421 | Solid/Liquid Tumors | | | | | | |
| | | Multi Arming | SENTI-301 | Hepatocellular Carcinoma | | | | | | |
| | | | SENTI-311 | Solid Tumors | | | | | | |
| Gene Therapies for Tissue- Directed Targets | | Smart Sensor | GC-1001 /-1002 | Ocular | | | | | | Benerk |
| | | | GC-1003 /-1004 | Central Nervous System | | | | | | |
| | | | GC-1005 | Liver | | | | | | |
| Cell Therapies for Regenerative Medicine | | Regulator Dial | GC-1101 | Regenerative Medicine | | | | | | |
| | | | GC-1102 | Regenerative Medicine | | | | | | |
| | | Smart Sensor | GC-1103 | Regenerative Medicine | | | | | | BAUR BAUR |



Natural Killer (NK) Cells are an Ideal Modality for Gene-Circuit Enhanced Cancer Cell Therapy

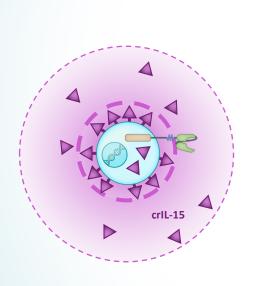


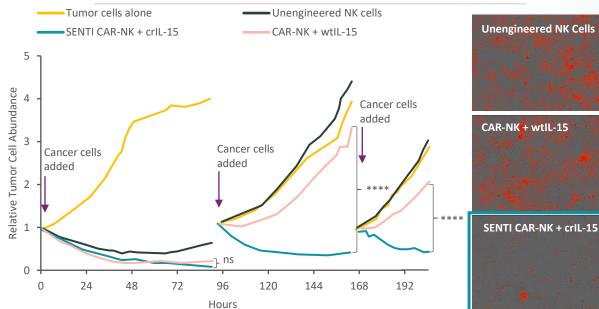


Senti's Proprietary Calibrated Release IL-15 (crIL-15) Enhances NK Cell Persistence and Tumor Killing

crIL-15 ENABLES BOTH AUTOCRINE

AND PARACRINE SIGNALING





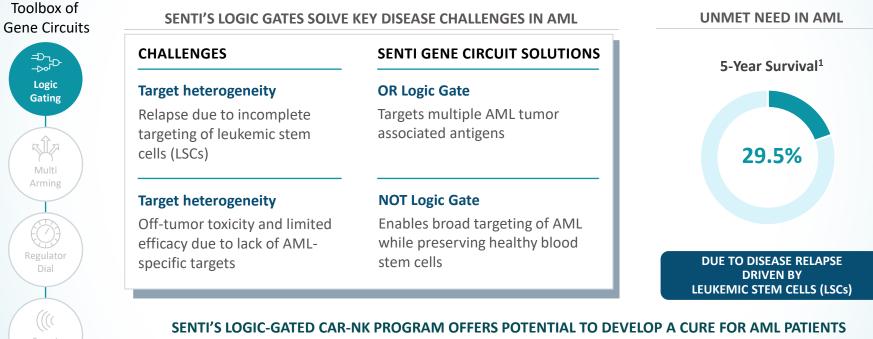
cril-15 IMPROVES NK PERSISTENCE AND SERIAL KILLING

ns = not significant; **** p= <0.0001

Red fluorescence = tumor cells Images taken from 3rd round



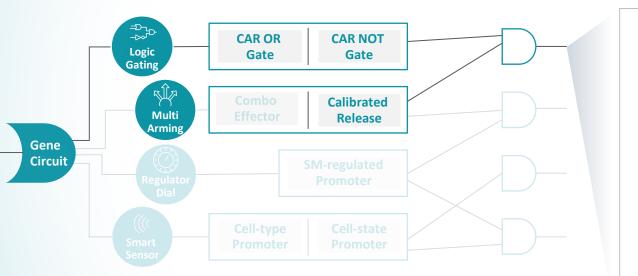
SENTI-202: Designed to Address Unmet Needs in the Treatment of Acute Myeloid Leukemia (AML)



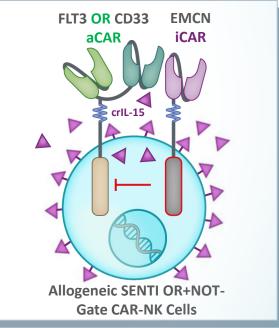
IN THE ABSENCE OF A BONE MARROW TRANSPLANT



SENTI-202: Potential to Develop a Cure With No Bone Marrow Transplant Needed

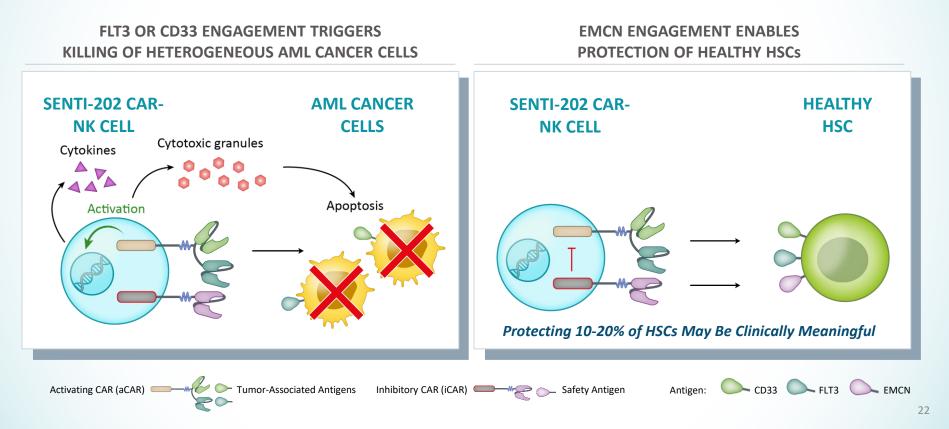


PRODUCT SCHEMATIC



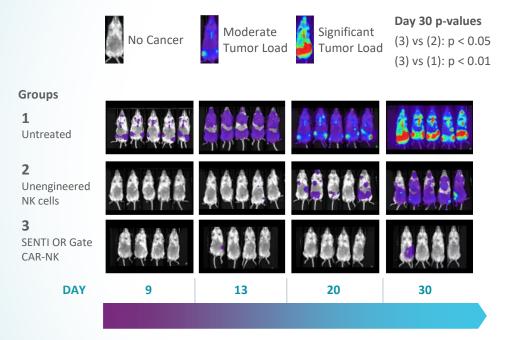


SENTI-202 OR/NOT Logic Gating: Deep Clearance of AML Blasts and AML LSCs While Sparing Healthy Hematopoietic Stem Cells (HSCs)

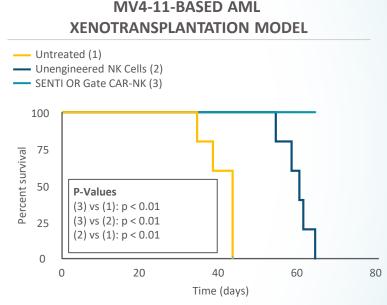




FLT3 OR CD33 CAR-NK Cells Significantly Suppressed Tumor Growth, Reduced Tumor Burden and Improved Survival



SENTI FLT3 OR CD33 CAR-NK cells achieved statistically significantly greater anti-tumor activity compared to untreated control mice (p < 0.01) and mice treated with unengineered NK cells (p < 0.05)

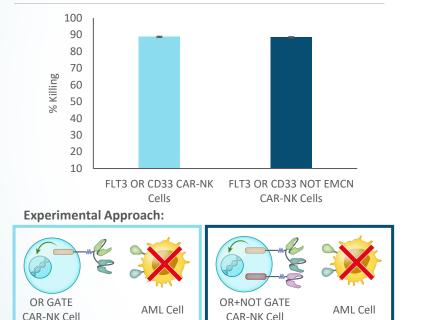


FLT3 OR CD33 CAR-NK cells significantly suppressed tumor growth and increased survival

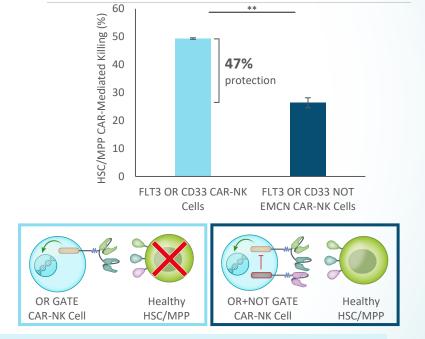


SENTI-202 Product Candidate Protects Primary Donor HSCs While Maintaining On-**Target Killing of Cancer Cells**

EMCN NOT-GATE CAR-NK CELLS EFFECTIVELY KILL **AML CANCER CELLS**



EMCN NOT-GATE CAR-NK CELLS PROTECT **HEALTHY HSCs/MPPs**

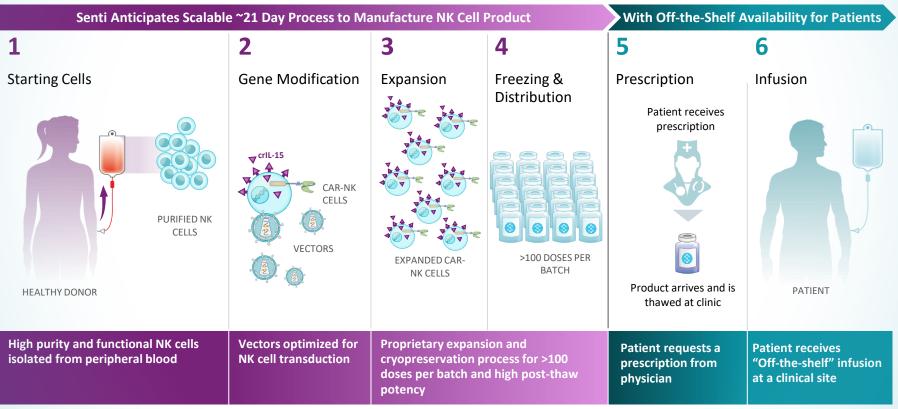


We believe that **protecting 10-20%** of Healthy HSCs is clinically meaningful.

CAR-NK Cell

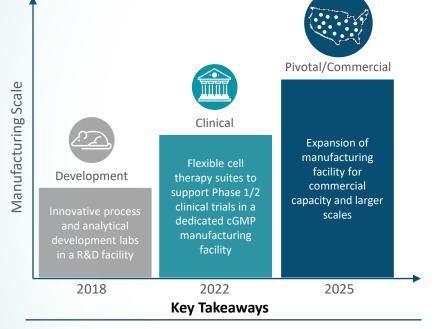


Senti's Allogeneic Manufacturing Designed to Enable Widespread Distribution





Strategy to Build, Control, and Scale In-House GMP Allogeneic Cell Manufacturing



- Senti plans to operate in-house facilities and develop proprietary processes for manufacturing and testing of CAR-NK cell therapies
- Industry-leading contract manufacturing and testing partners leveraged for standardized components



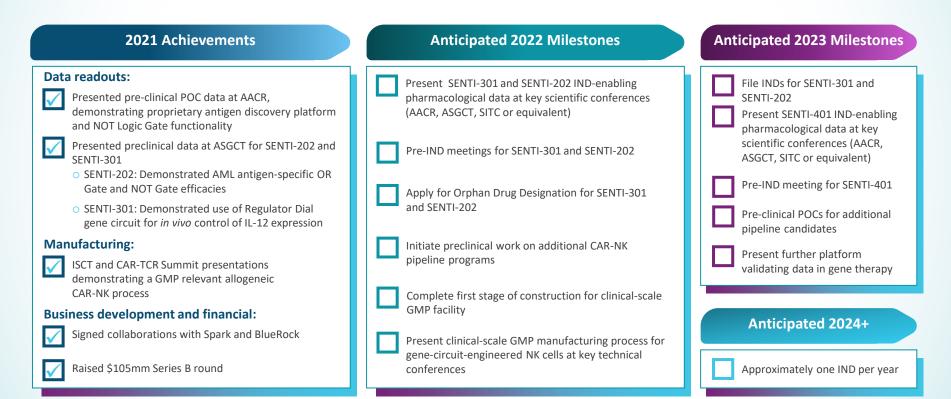
GMP manufacturing, product testing, and storage (~92,000 sf) - Alameda, CA



Multi-modal preclinical research labs (~40,000 sf) - South San Francisco, CA



2021 Progress Sets The Stage For Upcoming Value Driving Milestones





Thank you