



**SENTI BIO**



April 2026

Corporate Presentation

NASDAQ: SNTI | [sentibio.com](https://sentibio.com)

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# Investment Highlights

**Potential best-in-class Logic-Gated cell therapy** pipeline, initially targeting AML, with expansion opportunities into MDS and solid tumors

Scalable **off-the-shelf** manufacturing process streamlines treatment

**Gene Circuits** aim to solve key challenges in oncology – how to **selectively and effectively target liquid and solid tumors while sparing healthy cells**

Pipeline of **Logic-Gated NK and T cells** for hard-to-treat cancers

Investment from **Leading Healthcare Institutional Investors**

NEA

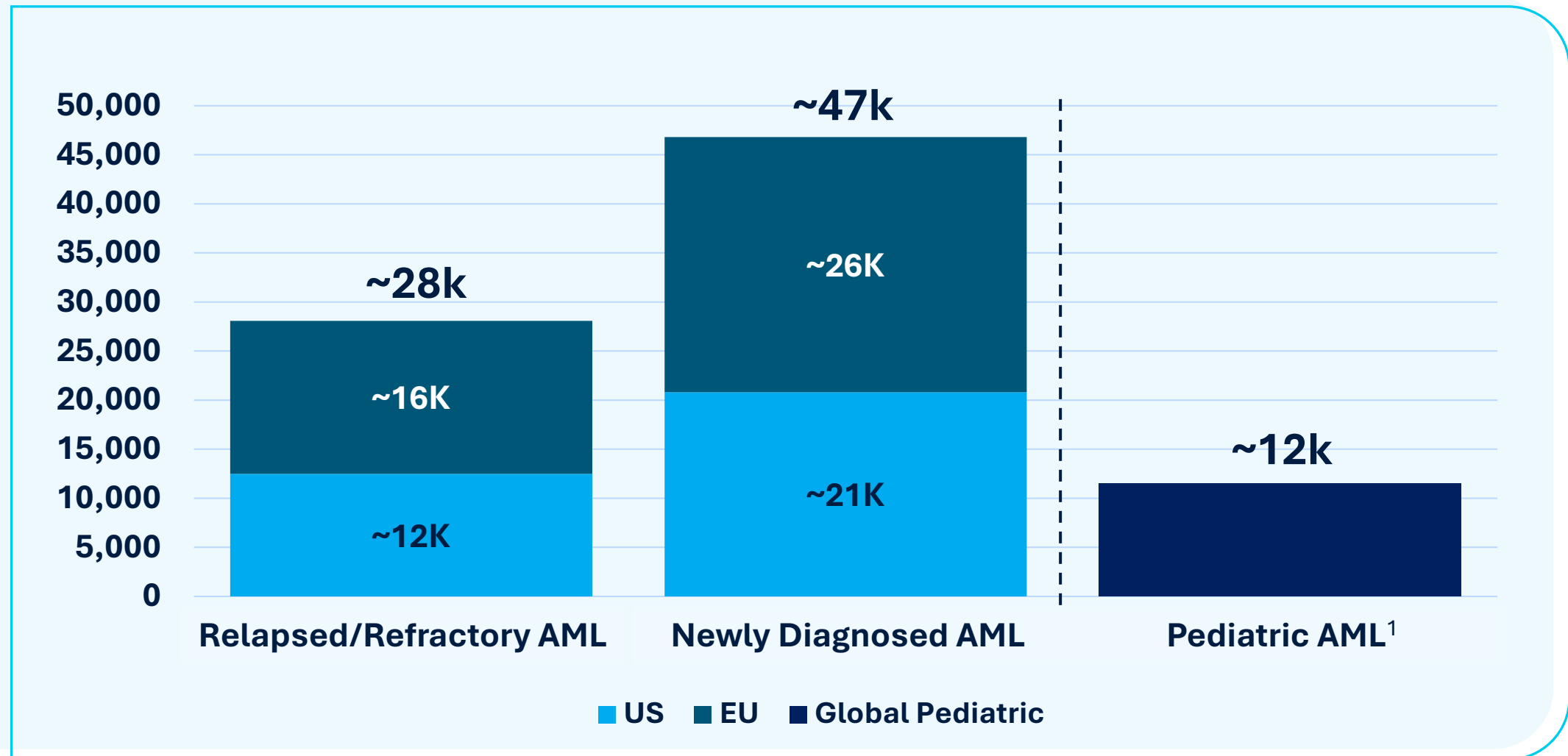
Celadon  
Partners

leaps 

## Lead Program: SENTI-202

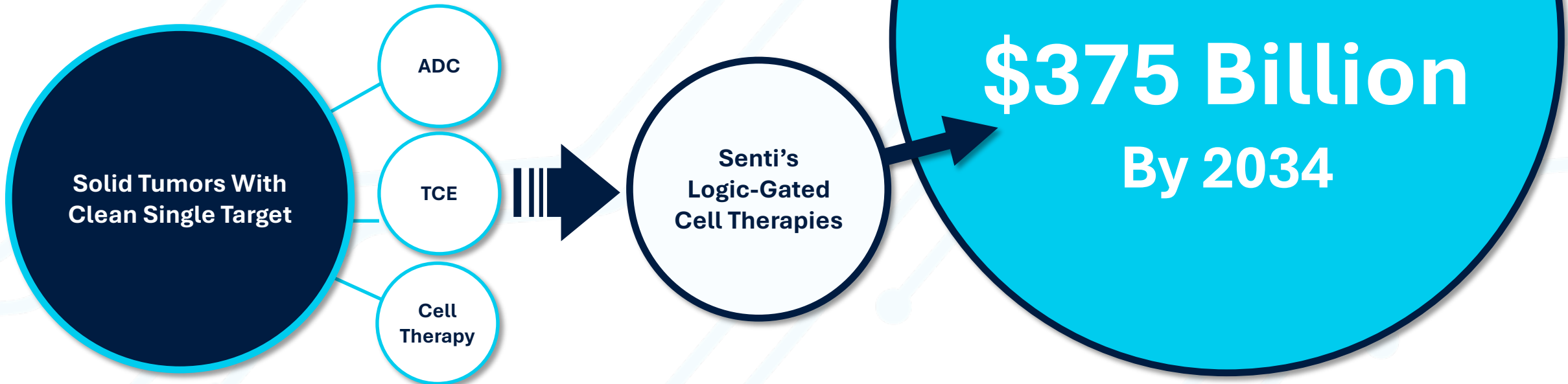
- ✓ Clinical Proof of Concept further validated at ASH 2025 with 20 Relapsed Refractory (R/R) AML patients treated in ongoing multinational, multicenter Phase 1 trial
  - ✓ Recommended Phase 2 Dose confirmed
  - ✓ Durable responses with 50% ORR and 42% CR/CRh rates at RP2D, 7.6mo estimated median duration of cCR overall
  - ✓ High MRD-negative rates (e.g., 100% CRs MRD-)
  - ✓ Excellent safety profile, outpatient dosing potential
  - ✓ Confirmed Mechanism of Action of selective killing of AML blasts and leukemic stem cells, with sparing of healthy bone marrow stem cells
- ✓ FDA Regenerative Medicine Advanced Therapy (RMAT) Designation and Orphan Drug Designation (ODD)
- ✓ Next steps: Launch pivotal trial in 2026 & expand into other indications (e.g., Newly Diagnosed AML, Pediatric AML, MDS)
- ✓ Validated Logic Gate technology can be expanded into other modalities (e.g., T, in vivo CAR) for additional cancers

# SENTI-202 Has the Potential to Address Major Unmet Needs in AML, a Multi-Billion Dollar Market Opportunity



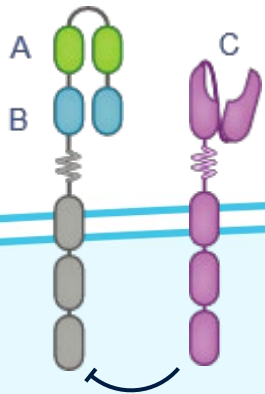
# Logic Gate Technology Could Expand Addressable Cancer Indications, Particularly in Solid Tumors<sup>1,2</sup>

- Conventional ADCs, TCEs, and cell therapies depend on clean single targets, and are ill-suited to address heterogeneity inherent in many cancers and on-target off-tumor toxicity
- Senti's Logic Gate technology enables cell therapies that can potentially overcome cancer heterogeneity and reduce on-target off-tumor toxicity



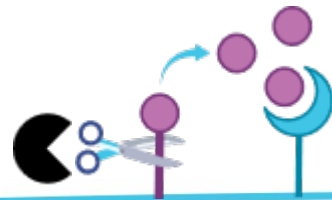
# Programming Gene Circuits to Enhance the Potential of Cell and Gene Therapies

**Logic Gating**  
to address  
**Antigen Escape and Specificity**



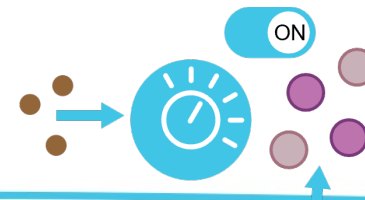
Kill diseased cells  
but not healthy cells  
(e.g., SENTI-202)

**Multi-Arming**  
to address  
**Immunosuppressive  
Tumor Microenvironments**



Stimulate immune cells, overcome  
TME, promote NK / T cell function

**Regulator Dials**  
to enable  
**Control for  
Safety**

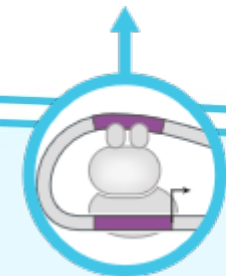


Dial payload expression up/down

**Smart Sensors**  
to enable  
**Targeted Disease  
Treatment**



Therapeutic transgene  
expressed



Cell/disease-specific promoters

**Gene Circuits**



# Pipeline of Best-in-Class Logic-Gated Cell Therapies

Designed to Enable CAR-NK / CAR-T Cells to Address Blockbuster Liquid and Solid Tumors

## Senti Bio's Logic Gate Approach



**SENTI-202 and Other Undisclosed Programs**

### Recognizes Multiple Antigen Targets

**OR Gate (aCAR)**  
e.g., Kill if Antigens CD33 or FLT3 are seen

**NOT Gate (iCAR)**  
e.g., Do Not Kill if Antigen EMCN is seen, even if CD33 or FLT3 are seen

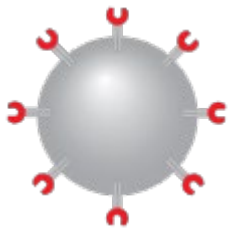
**Cancer Cells**

**KILL**

**Healthy Cells**

**PROTECT**  
(DO NOT KILL)

## Non-Logic Gate Approaches



**Commercially approved CAR T cell therapies**

### Recognize Single Antigen Target

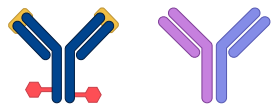
Single Antigen Target may be found on both cancer and healthy cells

**Cancer Cells**

**KILL**

**Healthy Cells**

**KILL**



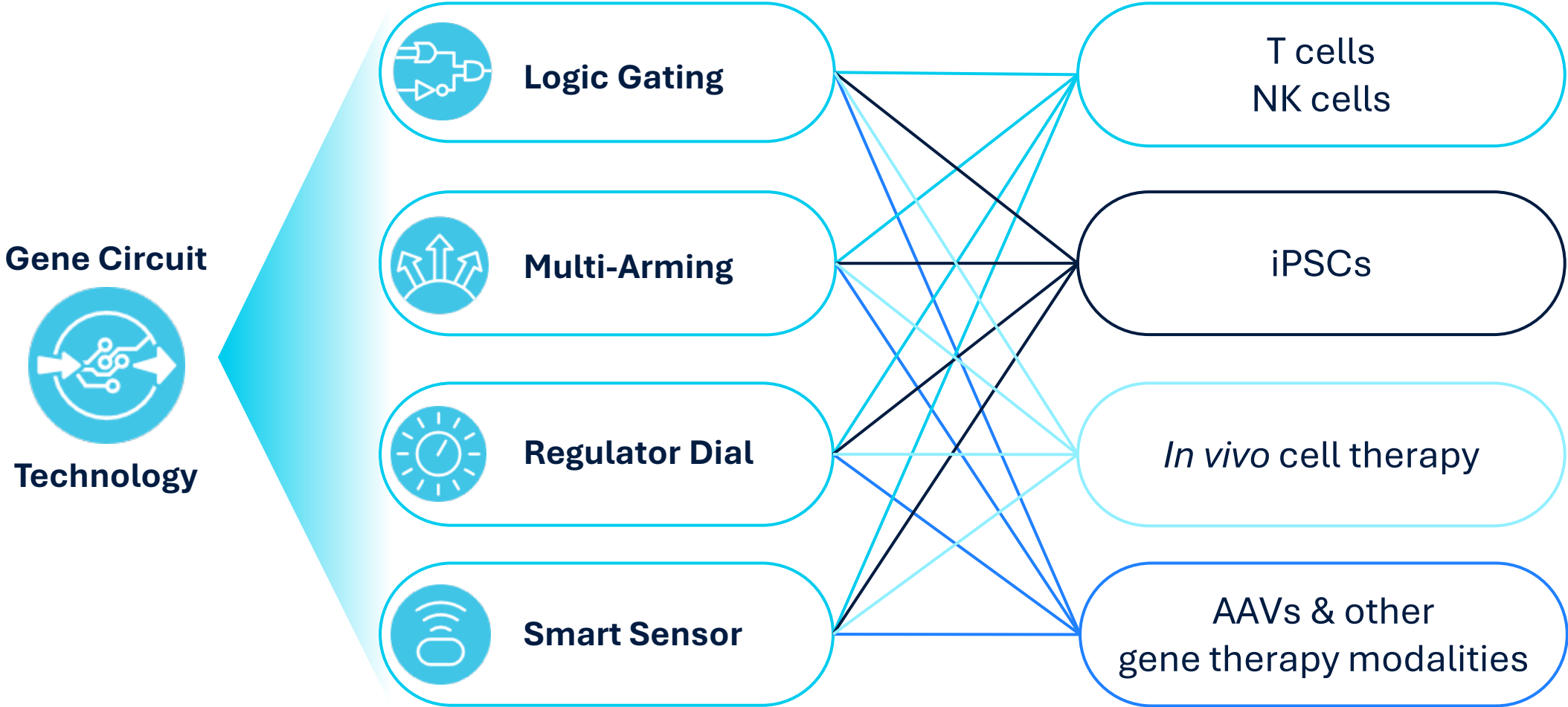
**Biologics (ADC/TCE)\***

# Potentially Best-in-Class Logic-Gated Cell Therapy Pipeline

Gene Circuits Platform Designed to Effectively and Selectively Target Liquid and Solid Tumors

Product Candidates	Target	Application	Discovery	Preclinical	Early Stage Clinical	Late Stage Clinical	Highlights
SENTI-202	CD33 OR FLT3 NOT EMCN	AML, MDS and Other Blood Cancers					Positive preliminary AML data presented at ASH 2025, demonstrating Deep, MRD Negative, Durable Complete Remissions and a Favorable Safety Profile
Undisclosed	Undisclosed	Solid Tumors					Provides multiple pipeline expansion opportunities

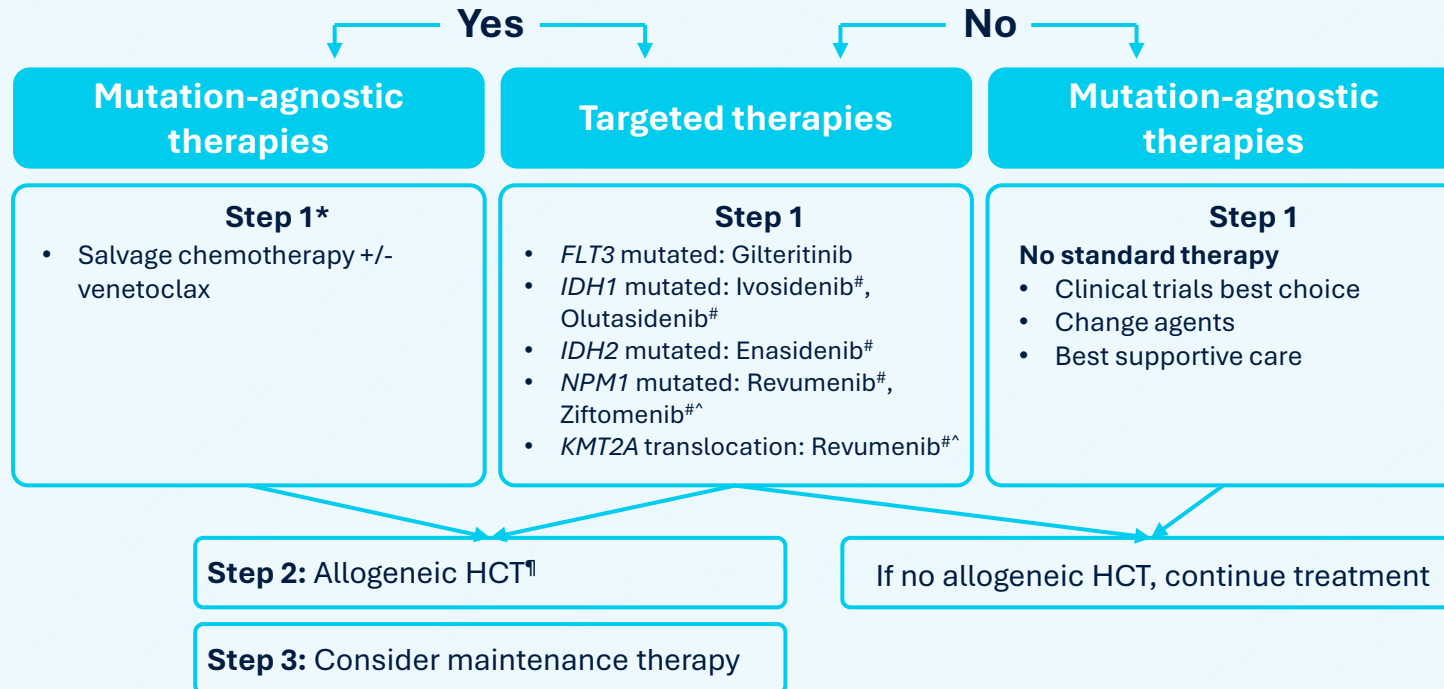
# Senti's Gene Circuits Are Designed for Use Across Diverse Cell and Gene Therapy Modalities



# High Unmet Need in Patients with R/R AML Even With Recently Approved Therapies

## R/R AML Treatment

1. Eligible for clinical trial? Yes – first priority
2. Eligible for allogeneic HCT?



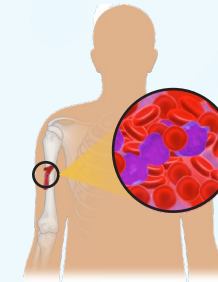
\* Some patients might go directly to allogeneic HCT or receive lower intensity regimens

<sup>†</sup> Consider DLIs for relapse post HCT, second HCT only indicated in selected patients

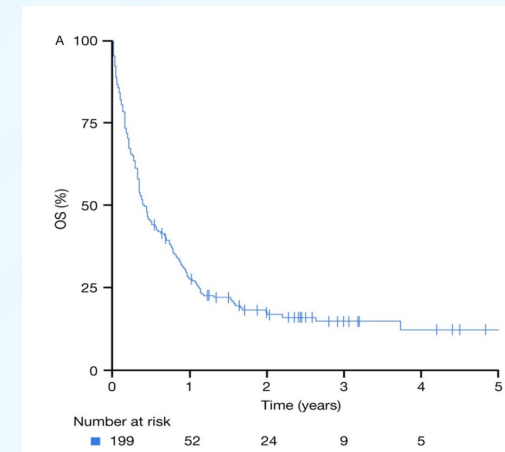
<sup>#</sup>Approved by FDA but not EMA for R/R AML pts

Adapted from *Thol et al. 2024* with updates to include menin inhibitors<sup>^</sup>

## R/R AML Patients Have Poor Prognosis



- Current standard of care responses<sup>1,2</sup>
  - CR rate ~12-25%
  - CR/CRh rate ~20-35%



- Median OS: 5.3 months (95% CI 4.0-7.5)<sup>3</sup>
- 5-year OS: 12.6% (95% CI 7.5-21.1)

# AML Response Categories and Clinical Benefit

	AML Blasts	Peripheral Blood Counts
Complete Remission (CR)	Bone marrow blasts <5% <b>and</b> Absence of circulating blasts <b>and</b>	ANC $\geq 1.0 \times 10^9/L$ <b>and</b> PLT $\geq 100 \times 10^9/L$
CR with partial hematologic recovery (CRh)	Absence of extramedullary disease <b>and</b>	ANC $\geq 0.5 \times 10^9/L$ <b>and</b> PLT $\geq 50 \times 10^9/L$
CR with incomplete hematologic recovery (CRi)	When assessed for measurable residual disease or MRD (e.g., by MFC, sensitivity of $\leq 10^{-4}$ ), responses can be without MRD (MRD-) or MRD+	Residual neutropenia (ANC < $1.0 \times 10^9/L$ ) <b>or</b> Residual thrombocytopenia (PLT < $100 \times 10^9/L$ )
Morphologic Leukemia-Free State (MLFS)		No count recovery
MFC: Multiparameter flow cytometry; ANC: Absolute Neutrophil Count; PLT: Platelet Count		

Achieving response correlates with clinical benefit especially when

- CR/CRh
- MRD-
- Able to be consolidated with allogeneic HCT which is best chance of cure for R/R AML patients

Current available therapies limited by

- Low CR/CRh/MRD rates,
- Significant myelotoxicity and other vital organ toxicities (e.g. cardiac, hepatic, differentiation syndrome)

**Novel Effective Therapies With Limited On-Target Off-Tumor Toxicities are Urgently Needed**



# How SENTI-202 Could Fit Into the Evolving AML Treatment Landscape

## ✓ Novel and Differentiated Mechanism of Action

- Designed to kill Leukemic Stem Cells (LSCs) while sparing healthy Hematopoietic Stem and Progenitor Cells (HSPCs)
- Potential to deliver deep, durable MRD- responses

## ✓ Phase 1 Clinical Data Shows Excellent Efficacy and Safety Consistent with MoA

- Potential to be stand-alone therapy in patients not eligible for HCT
- Safety profile allows use before or after targeted therapies

## ✓ Broader Patient Reach

- Not mutation-restricted; fits most R/R AML patients
- Favorable safety supports outpatient use
- Rapid responses within 1–2 cycles reduces need for long-term treatment

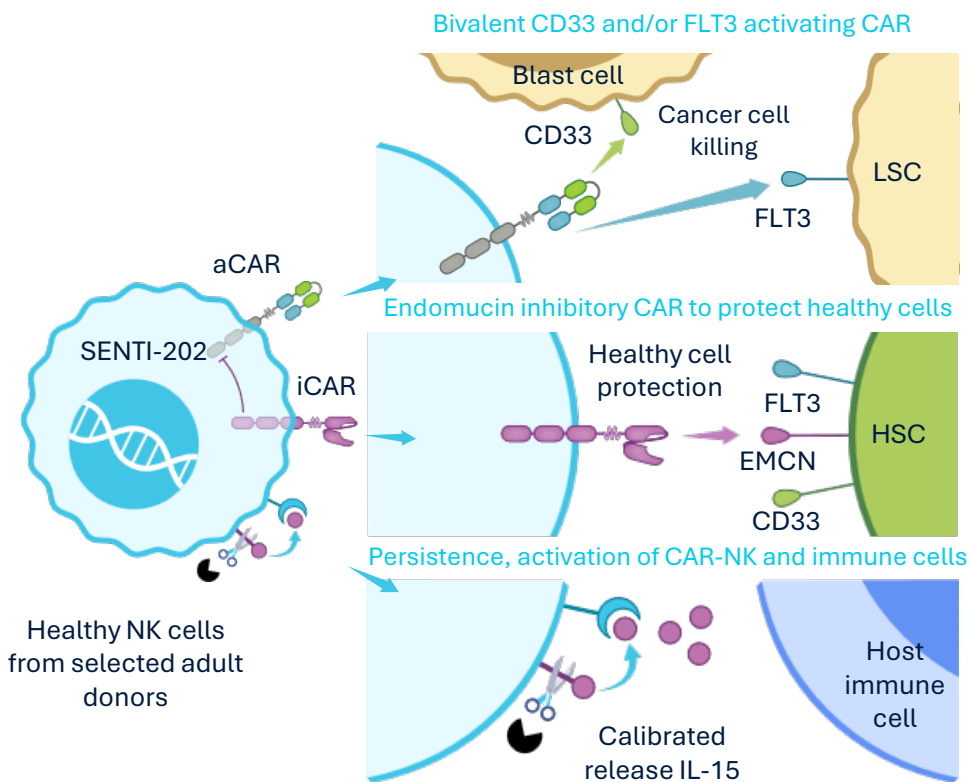
## ✓ Opportunity to Expand Beyond R/R AML

- Well-tolerated profile supports combination with frontline standard of care for newly diagnosed AML
- Opportunity to expand to pediatric AML and higher-risk MDS

**Key Results from 20 Patient R/R AML trial indicate Excellent Efficacy and Safety Profile:**

**~40% CR/CRh, 100% CR MRD-, median duration 7+ mo, Transient Grade 1/2 pyrexia most common related AE**

# SENTI-202 is a Potential First-in-Class Off-the-Shelf Logic-Gated Selective CD33 OR FLT3 NOT EMCN CAR-NK Cell Therapy for Blood Cancers



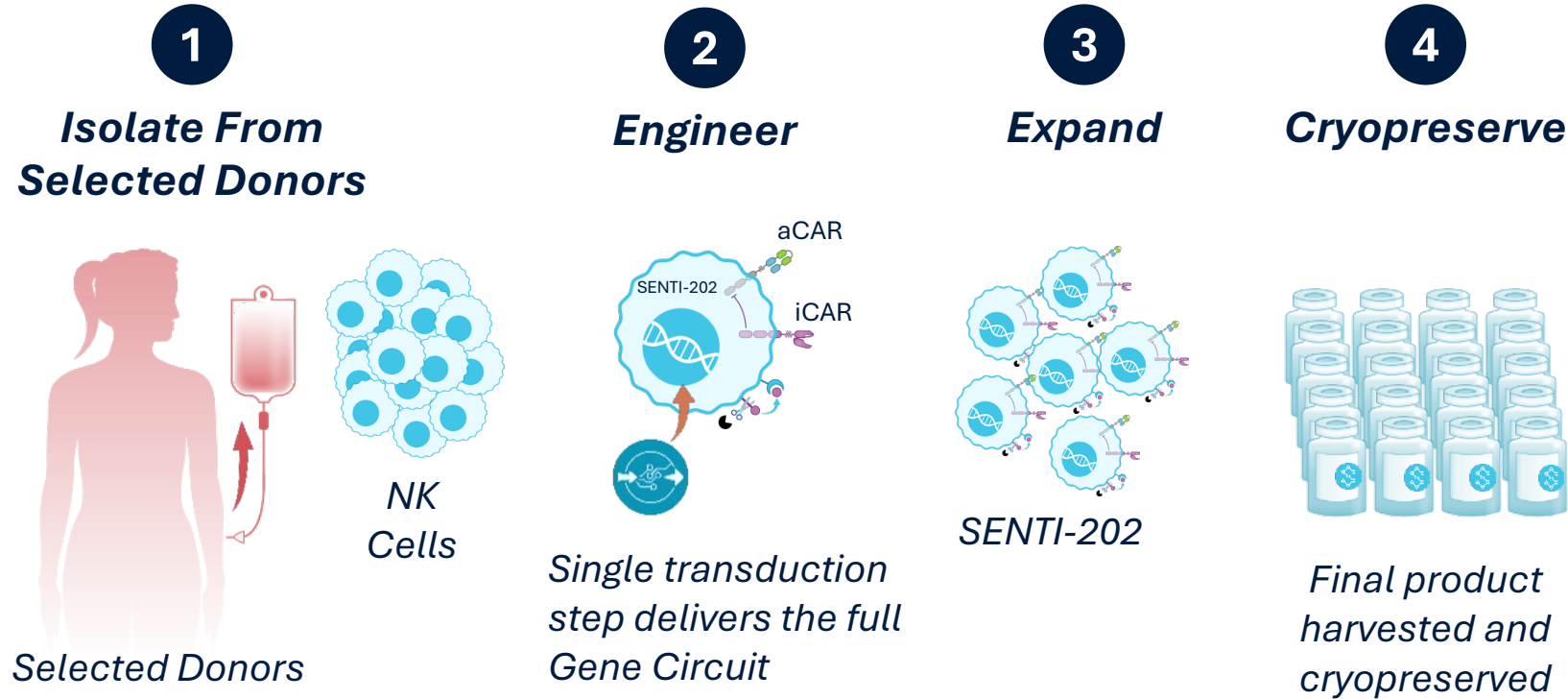
## SENTI-202 Design

- **OR Logic Gate “Kills”** leukemia blasts and LSCs via CD33 OR FLT3 activating CAR (aCAR)
  - CD33 and/or FLT3 expressed in ~95% of AML patients with CD33 being predominantly expressed on bulk blasts and FLT3 on LSCs
- **NOT Logic Gate “Protects”** healthy HSC/HSPCs from ‘off-tumor, on-target’ effects
  - Protection of HSC/HSPCs via Endomucin (EMCN) inhibitory CAR (iCAR), even when they express CD33 and/or FLT3
  - EMCN found predominantly on healthy HSC/HSPC surface, rarely on AML blasts
- **Calibrated release IL-15 “Enhances”** SENTI-202 and host immune cell activity and persistence
- NK cells have **inherent clinical anti-AML activity**

SENTI-202 is designed to selectively kill both AML blasts and LSCs while protecting healthy HSC/HSPCs using its novel CD33 OR FLT3 NOT EMCN Logic-Gated gene circuit

# SENTI-202 is Designed as an Off-the-Shelf Allogeneic CAR-NK Cell Therapy to be Available On-Demand

## Scalable ~14 Day Manufacturing Process

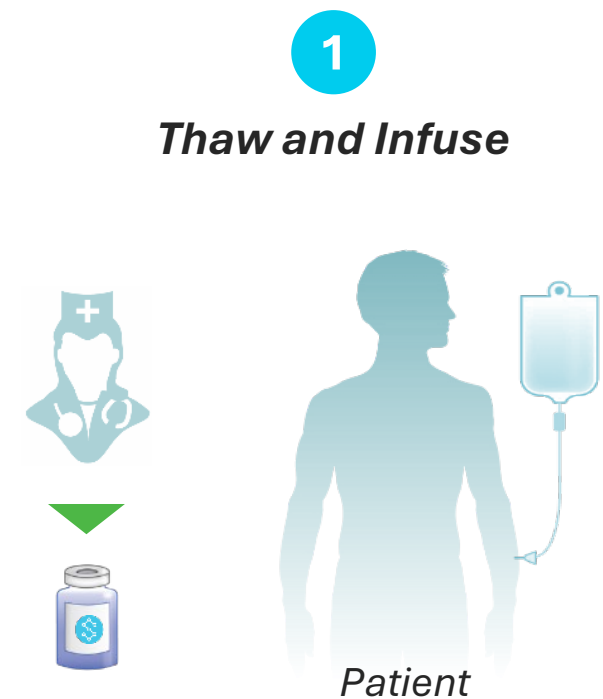


NK cells isolated from peripheral blood of selected adult donors

NK cells efficiently engineered with Gene Circuits

High post-thaw potency

## SENTI-202



Easy-to-thaw vials

Outpatient use potential

# SENTI-202-101 is a Multicenter, Multinational, Open-label Phase 1 Trial in Patients with R/R Hematologic Malignancies\*

## Key Eligibility Criteria

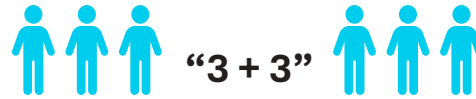


≥18 &  
<75  
YEARS

ECOG PS  
0-1

- R/R CD33 and/or FLT3 expressing hematologic malignancies
- CD33+ by local assessment
  - R/R AML (1-3 prior therapies)
  - R/R MDS with increased blasts<sup>1</sup> (1-2 prior therapies)
- Must have received targeted agents if applicable mutations

## Study Design



Dose finding followed by AML, MDS and other disease specific expansion cohorts at RP2D

## Study Dosing



**2 DOSE LEVELS and 2 SCHEDULES**

Starting dose level anticipated to be biologically active

## Key Objectives

Primary objective

- Safety and determination of MTD/RP2D
- Efficacy (expansion cohorts) based on ELN2022 criteria for AML

Other key objectives

- Measurable residual disease assessed locally
- Pharmacokinetics
- Pharmacodynamics using CyTOF on serial BM samples

\*NCT06325748



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ECOG PS: European Cooperative Oncology Group performance status; MTD: maximum tolerated dose; RP2D: recommended phase 2 dose; ELN: European LeukemiaNet; CyTOF: Cytometry by Time-of-Flight; BM: bone marrow; 1Per WHO 2022 Classification

# Study Treatment Dosing and SENTI-202 RP2D Selection

## Study Treatment

### Lymphodepletion

Fludarabine 30 mg/m<sup>2</sup>  
Cytarabine (Ara-C) 2 g/m<sup>2</sup>

### SENTI-202

### Efficacy Assessment

Up to 4 cycles allowed to  
achieve optimal response

#### Schedule I



#### Schedule II



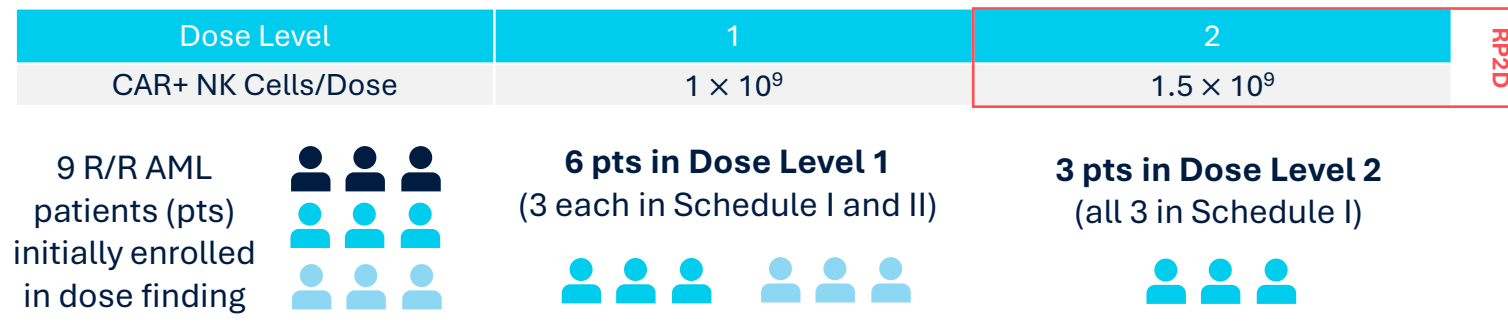
## Preliminary RP2D determined to be Dose Level 2, Schedule I based on:

- No DLTs/ SENTI-202 related SAEs in any patient/ any dose level
- Numeric increase in efficacy with
  - Dose Level 2 compared to Dose Level 1 with ORR of 67% (2/3) vs 50% (3/6)
  - Schedule I compared to Schedule II with ORR of 67% (4/6) vs 33% (1/3)

R/R AML expansion cohort opened after:

- RP2D confirmed as Dose Level 2, Schedule 1 with 3 additional R/R AML patients with no DLTs and continued efficacy

## Dose Finding



Here we present clinical data from 20 R/R AML patients, including 14 at RP2D and 6 at Dose Level 1

# Study Enrolled R/R AML Patients With Multiple Baseline Adverse-Risk Characteristics and Poor Prognosis

	Dose Level 1	Dose Level 2/RP2D	
Baseline Characteristics	1 x 10 <sup>9</sup> CAR+ NK cells/ dose N=6	1.5 x 10 <sup>9</sup> CAR+ NK cells/ dose N=14	All Patients N=20
Age, yr, median (range)	52.5 (26, 72)	<b>49 (19, 69)</b>	49 (19, 72)
Male, n (%)	3 (50)	<b>7 (50)</b>	10 (50)
Race, White/ Other, n (%)	5 (83) / 1 (17)	<b>11 (79) / 3 (21)</b>	16 (80) / 4 (20)
ECOG PS 0-1, n (%)	5 (83)	<b>13 (93)</b>	18 (90)
Adverse risk by ELN 2022 at diagnosis, n (%)	5 (83)	<b>8 (57)</b>	13 (65)
Baseline bone marrow blasts, %, median (range)	21.5 (15.1, 69)	<b>45.2 (6, 92.5)</b>	35 (6, 93)
<b>Mutational Status at baseline</b>			
FLT3: ITD/ TKD/ Type Unk mutated, n (%)	0 / 0 / 1 (17)	<b>3 (21) / 0 / 0</b>	3 (15) / 0 / 1 (5)
IDH1/ IDH2 mutated, n (%)	0 / 0	<b>0 / 1 (7)</b>	0 / 1 (5)
Baseline absolute neutrophil count < 1 x 10 <sup>9</sup> /L, n(%)	1 (17)	<b>12 (86)</b>	13 (65)
Baseline platelet count < 50 x 10 <sup>9</sup> /L, n(%)	2 (33)	<b>11 (79)</b>	13 (65)

- Majority of patients had AML with adverse risk genetics by ELN 2022 criteria
- RP2D cohort enrolled patients with increased baseline blasts and more patients with baseline thrombocytopenia/neutropenia

# Heavily Pre-Treated R/R AML Population Including Many Primary Refractory & Refractory to Most Recent Line of Therapy Before Study Entry

	Dose Level 1	Dose Level 2/ RP2D	
Prior AML Treatments	1 x 10 <sup>9</sup> CAR+ NK cells/ dose N=6	1.5 x 10 <sup>9</sup> CAR+ NK cells/ dose N=14	All Patients N=20
Years from AML diagnosis to study entry, median (range)	0.6 (0.3, 6.1)	<b>0.85 (0.2, 8.6)</b>	0.75 (0.2, 8.6)
Number of prior lines, median (range)	1 (1,2)	<b>2 (1,3)</b>	2 (1, 3)
Chemotherapy, n (%)	6 (100)	<b>14 (100)</b>	20 (100)
Fludarabine and/or Cytarabine, n (%)	6 (100)	<b>14 (100)</b>	20 (100)
Cytarabine (Ara-C), n (%)	6 (100)	<b>14 (100)</b>	20 (100)
Fludarabine (Flu) , n (%)	2 (33)	<b>5 (36)</b>	7 (35)
Anthracycline, n (%)	5 (83)	<b>11 (79)</b>	16 (80)
Venetoclax, n (%)	4 (67)	<b>13 (93)</b>	17 (85)
Hypomethylating Agents, n (%)	4 (67)	<b>11 (79)</b>	15 (75)
FLT3/IDH targeted therapy, n (%)	2 (33)/ 0	<b>3 (21)/ 1 (7)</b>	5 (25)/1 (5)
Prior HCT, n (%)	1 (17)	<b>6 (43)</b>	7 (35)
Refractory to most recent regimen, n (%)	1 (17)	<b>11 (79)</b>	12 (60)
Primary refractory*, n (%)	3 (50)	<b>8 (57)</b>	11 (55)
Refractory to Flu and/or Ara-C containing regimen, n (%)	3 (50)	<b>8 (57)</b>	11 (55)

- All patients were exposed to chemotherapy
- Most patients were exposed to anthracycline, venetoclax & hypomethylating agents
- RP2D cohort enrolled patients who were more heavily pre-treated, more prior HCT and more patients refractory to most recent regimen before SENTI-202 compared to Dose Level 1

# Patients Received a Median of 1 Cycle on Treatment Overall and None Discontinued Due to an Adverse Event

	Dose Level 1	Dose Level 2/ RP2D	
Exposure	1 x 10 <sup>9</sup> CAR+ NK cells/ dose N=6	1.5 x 10 <sup>9</sup> CAR+ NK cells/ dose N=14	All Patients N=20
Number of SENTI-202 treatment cycles, n (%)			
1 Cycle	2 (33)	<b>12 (86)</b>	14 (70)
2 Cycles	4 (67)	<b>2 (14)</b>	6 (30)
Number of SENTI-202 Cycles, median (range)	2 (1,2)	<b>1 (1,2)</b>	1 (1, 2)
Subjects continuing treatment as of data-cut, n (%)	0	<b>4 (29)</b>	4 (20)
Subjects discontinuing treatment, n (%)	6 (100)	<b>10 (71)</b>	16 (80)
Adverse Event	0	<b>0</b>	0

- In general, RP2D patients achieved a response with 1 Cycle and received a median of 1 Cycle of SENTI-202 compared to Dose Level 1 patients who received a median of 2 Cycles

# Any Grade 3+ Treatment Emergent Adverse Events (AE) or Serious Adverse Events (SAE) On Study, Regardless of Relationship to SENTI-202

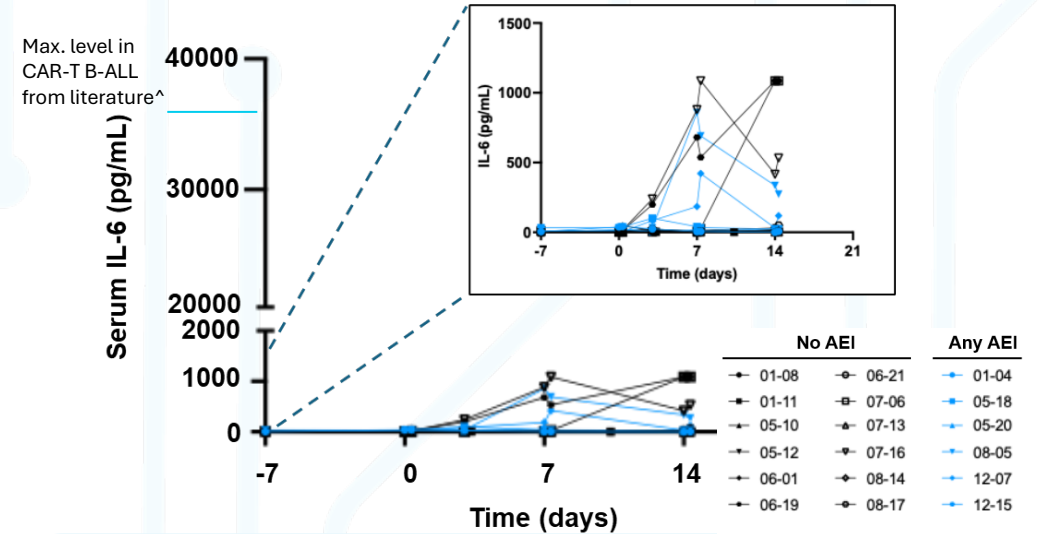
	Dose Level 1	Dose Level 2/ RP2D	
Event Term	1 x 10 <sup>9</sup> CAR+ NK cells/ dose N=6	1.5 x 10 <sup>9</sup> CAR+ NK cells/ dose N=14	All Patients N=20
Any ≥ Grade 3 AE, n (%) regardless of relationship*	6 (100)	<b>12 (86)</b>	18 (90)
Febrile Neutropenia	2 (33)	<b>7 (50)</b>	9 (45)
Platelet Count Decreased	2 (33)	<b>2 (14)</b>	4 (20)
Anemia	2 (33)	<b>1 (7)</b>	3 (15)
Thrombocytopenia	1 (17)	<b>2 (14)</b>	3 (15)
Pneumonia	0	<b>3 (21)</b>	3 (15)
Abdominal Pain	3 (50)	<b>0</b>	3 (15)
Hypokalemia	0	<b>2 (14)</b>	2 (10)
Hypoxia	1 (17)	<b>1 (7)</b>	2 (10)
Sepsis	0	<b>2 (14)</b>	2 (10)
*All events are unrelated to SENTI-202 as assessed by the Investigator except for 1 patient with events of both Grade 3 febrile neutropenia and Grade 4 platelet count decreased			

	Dose Level 1	Dose Level 2/ RP2D	
Event Term	1 x 10 <sup>9</sup> CAR+ NK cells/ dose N=6	1.5 x 10 <sup>9</sup> CAR+ NK cells/ dose N=14	All Patients N=20
Any Grade SAE, n (%) regardless of relationship*	2 (33)	<b>5 (36)</b>	7 (35)
Pneumonia	0	<b>2 (14)</b>	2^ (10)
Sepsis	0	<b>2 (14)</b>	2^ (10)
*All events are unrelated to SENTI-202 as assessed by the Investigator, ^1 patient experienced both events			

- Grade 3+ AEs or SAEs of any Grade in ≥10% of patients are predominantly hematologic events or pneumonia/sepsis in the setting of neutropenia and consistent with effects of LD chemotherapy in patients with R/R AML
- Hematologic events generally resolved rapidly in patients achieving CR/CRh with SENTI-202

# SENTI-202 Related AEs are Predominantly Grade 1/2 Pyrexia Events That are Readily Managed With Standard of Care

Dose	Pt	Event Term	Grade	Onset Day from Most Recent Dose of SENTI-202	Duration of Event	AEI Term	Serious? / Resolution	
Dose Level 1 (1 x 10 <sup>9</sup> CAR+ NK cells/ dose)	01-04	Pyrexia Chills	2 1	0	<24 hours	CRS	No / Resolved with Standard of Care	
	08-05	Pyrexia Hypotension	1 1	0 3	5 days < 24 hours			
Dose Level 2/RP2D (1.5 x 10 <sup>9</sup> CAR+ NK cells/ dose)	12-07	Pyrexia Hypoxia	1 2	1	< 24 hours			IRR
	05-18	Pyrexia Pyrexia Hypotension	1 2 2	2 7 7				
		05-20	Pyrexia	2				
	12-15	Pyrexia	1	0	< 24 hours			
	12-22	IRR	1					



SENTI-202 related AEs reported in 7/20 (35%) of patients:

- Grade 1/2 pyrexia +/- chills, hypotension and/or hypoxia
- Majority on day of dosing and resolved rapidly with standard of care
- Reported as CRS or IRR and all events non-serious
- Consistent with delayed infusion related reactions reported with NK cell therapies
- Cytokines, including IL-6, generally not elevated on trial including in patients experiencing any AEI

AEI: Treatment Emergent Adverse Event of Interest, Pt: Patient ID, CRS: Cytokine Release Syndrome, IRR: Infusion Related Reaction

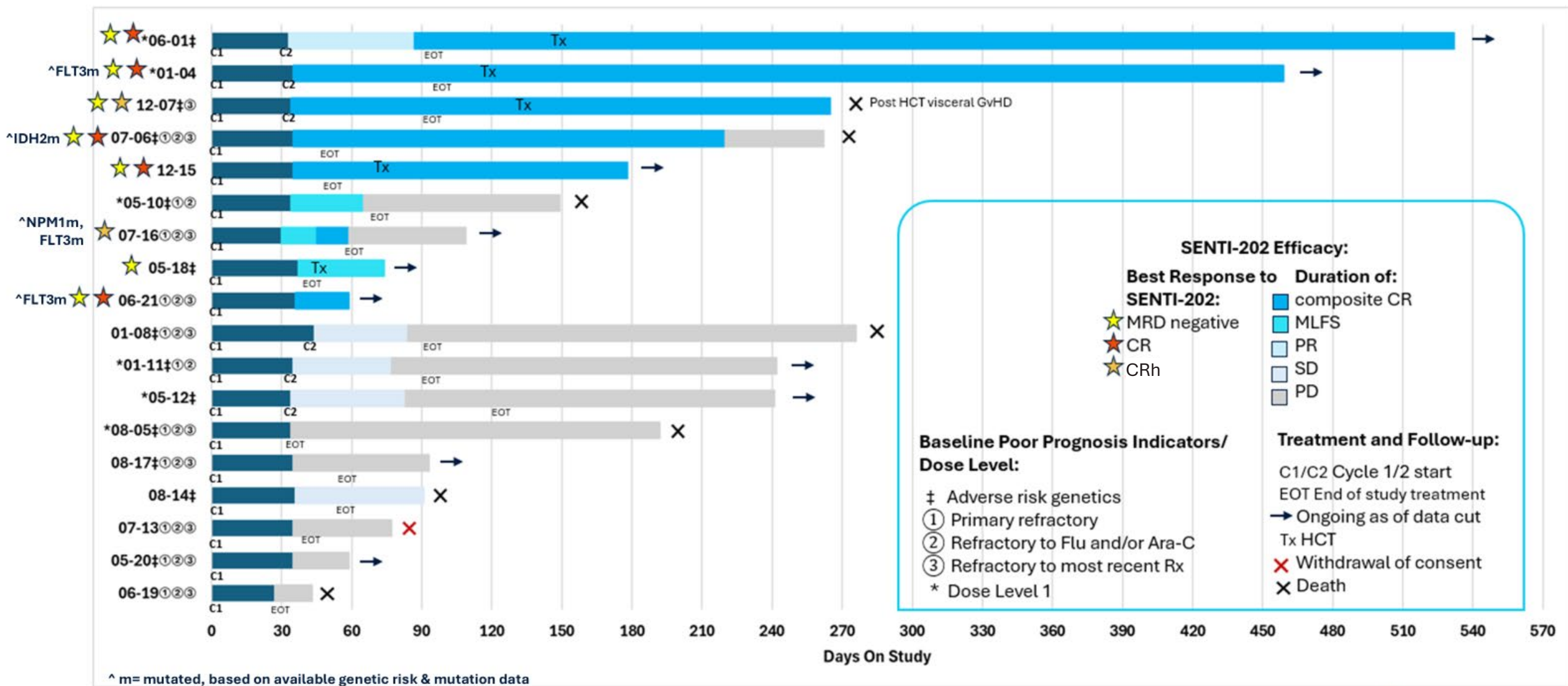
# 50% of Patients Achieved a Response With SENTI-202 Treatment

	Dose Level 1	Dose Level 2/RP2D	
Response	1 x 10 <sup>9</sup> CAR+ NK cells/ dose N=6	1.5 x 10 <sup>9</sup> CAR+ NK cells/ dose N=12	All Patients N=18 <sup>^</sup>
Overall Response Rate (ORR), n (%)	3 (50)	<b>6 (50)</b>	9 (50)
CR/CRh rate, n (%)	2 (33)	<b>5 (42)</b>	7 (39)
Response Category, n(%)			
CR	2 (33)	<b>3 (25)</b>	5 (28)
CRh	0	<b>2 (17)</b>	2 (11)
MLFS	1 (17)	<b>1 (8)</b>	2 (11)
Negative MRD* Status, n/n (%)			
in CR patients	2/2 (100)	<b>3/3 (100)</b>	5/5 (100)
in CR/CRh patients	2/2 (100)	<b>4/5 (80)</b>	6/7 (86)
in CR/CRh/MLFS patients	2/3 (67)	<b>5/6 (83)</b>	7/9 (78)
Median Time to Response (min, max), mo	1.2 (1.1,1.2)	<b>1.2 (1.0,1.3)</b>	1.2 (1.0, 1.3)
Median Duration of Follow-Up (min, max) mo	8.0 (3.6, 17.5)	<b>3.1 (0.9, 9.1)</b>	4.8 (0.9, 17.5)
<sup>^</sup> 2 patients early in Cycle 1 and too early to evaluate response as of data cut-off date; *MRD assessed by multi-parametric flow (sensitivity ≤10 <sup>-4</sup> ) in all patients except one (assessed by NGS, sensitivity ≤10 <sup>-2</sup> )			

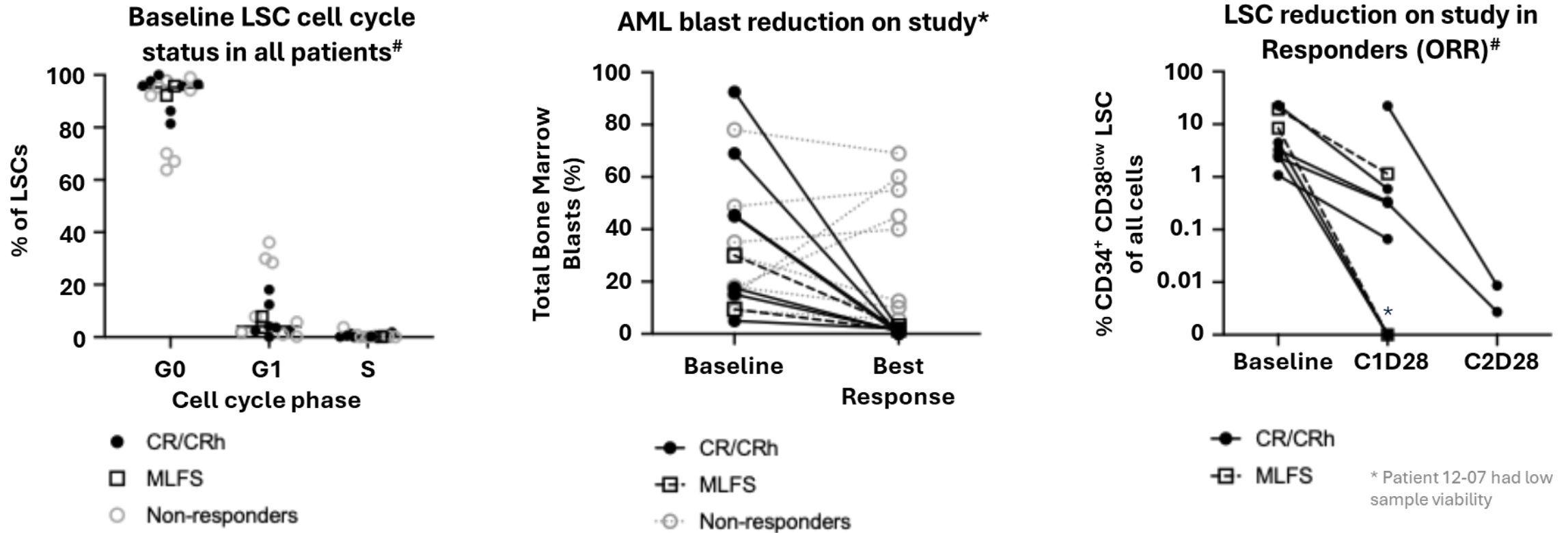
50% of patients at RP2D and overall achieved a response

- 42% of patients at RP2D and 39% overall achieved a CR/CRh
- All CRs and ~80+% of all responses are MRD negative
- With limited follow up in RP2D cohort, current Kaplan-Meier estimate of median duration of composite CR across all patients:
  - 7.6 months (25<sup>th</sup> and 75<sup>th</sup> percentile being 6.1, NE)

# SENTI-202 Responses are Durable with Longest Durability > 1 Year



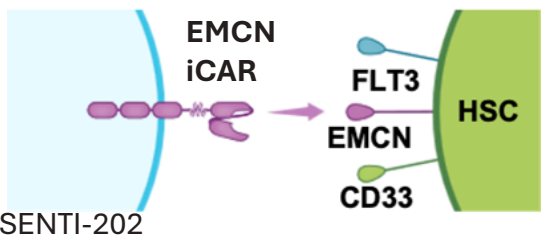
# Selective AML Blast and Leukemic Stem Cell (LSC) Killing Consistent With SENTI-202 CD33/ FLT3 “OR” Logic Gate Mechanism of Action



- LSCs in treated patients were mostly quiescent at baseline, and not likely to be responsive to lymphodepleting chemotherapy.
- AML blast reduction was noted in all responders (ORR) and in some non-responders.
- LSC proportions in responder (ORR) bone marrow decreased at least 10-fold after SENTI-202 treatment.

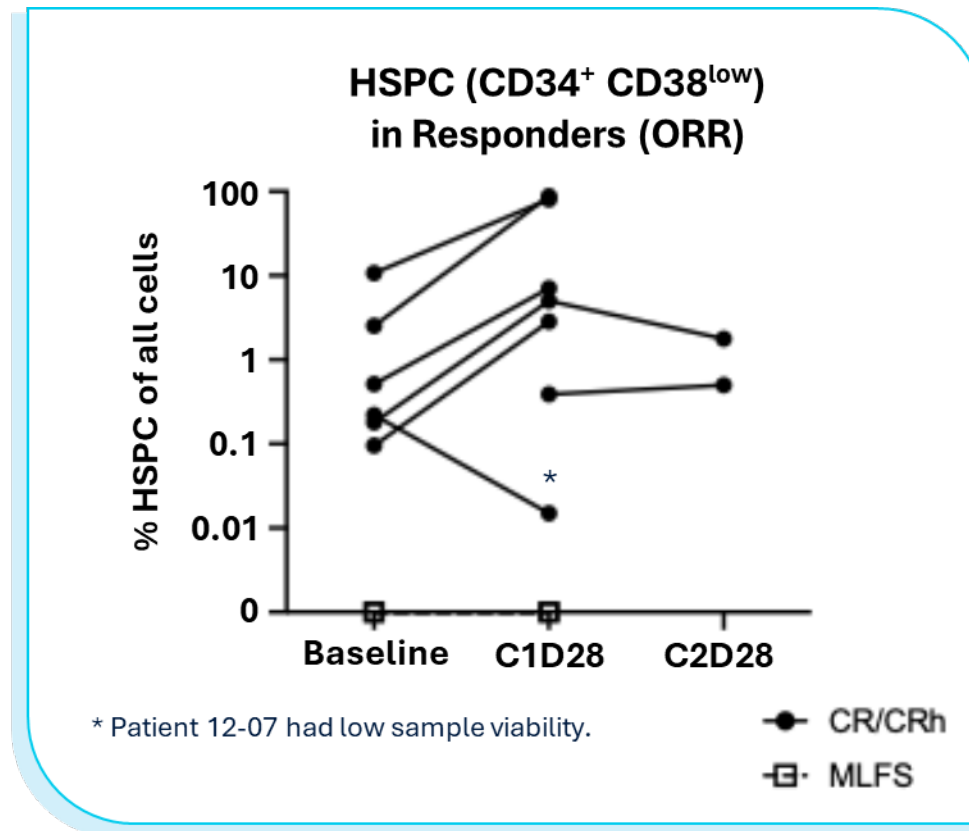
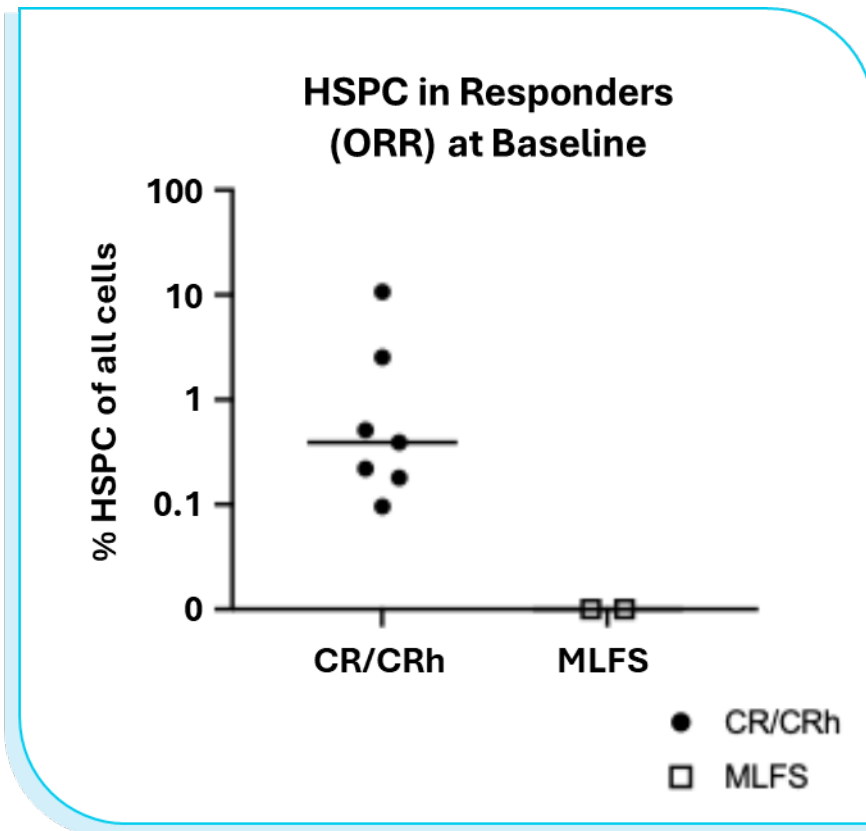
# Selective Protection of Healthy Hematopoietic Stem & Progenitor Cells (HSPC) Consistent With SENTI-202 “NOT” Logic Gate Mechanism of Action

EMCN inhibitory CAR (iCAR) protects healthy cells



NOT Logic Gate *protects* healthy HSC/HSPC from *off-tumor, on-target effects*

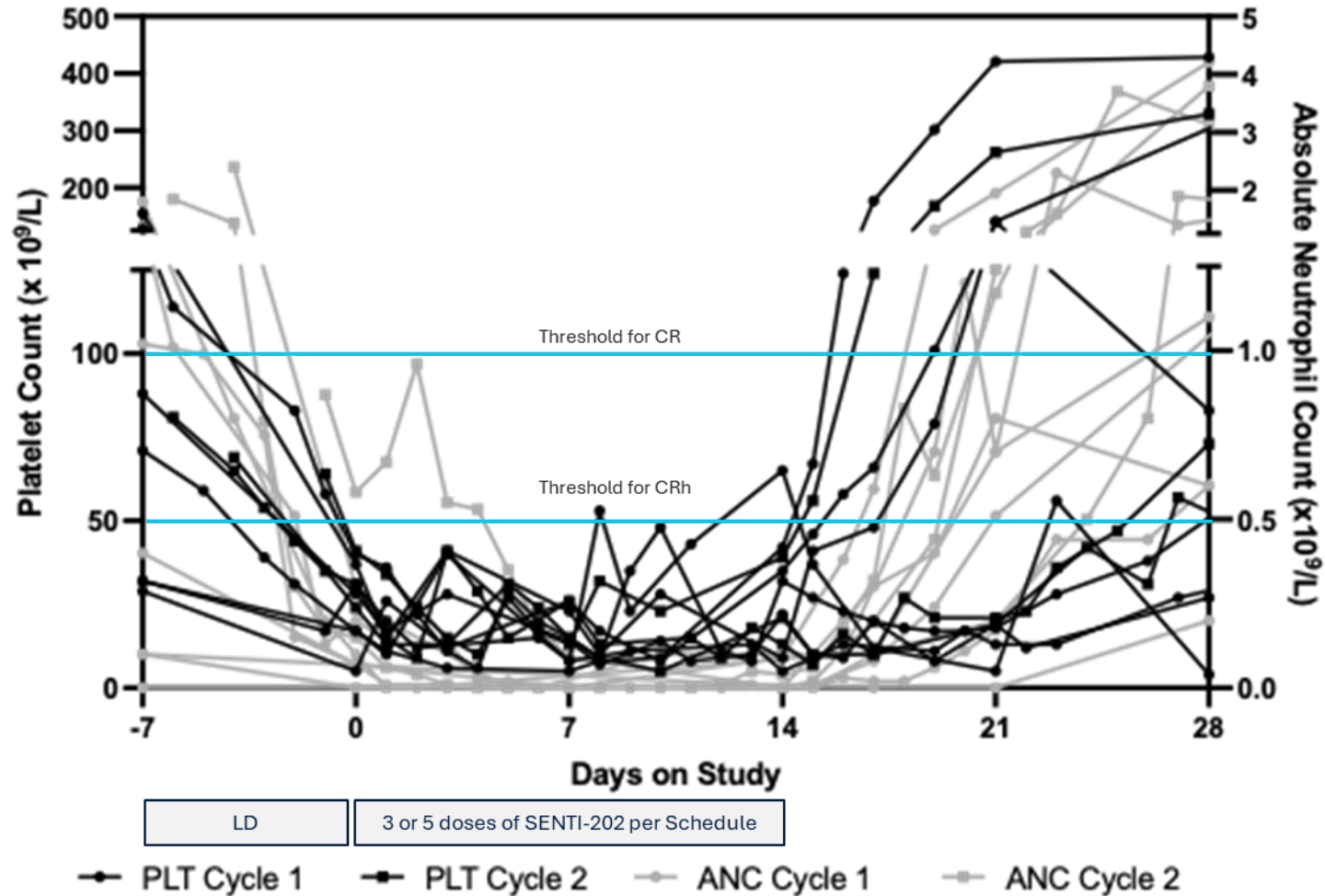
- Protects HSC/HSPC even when they express CD33 and/or FLT3
- EMCN is found predominantly on healthy HSC/HSPC, and rarely on AML



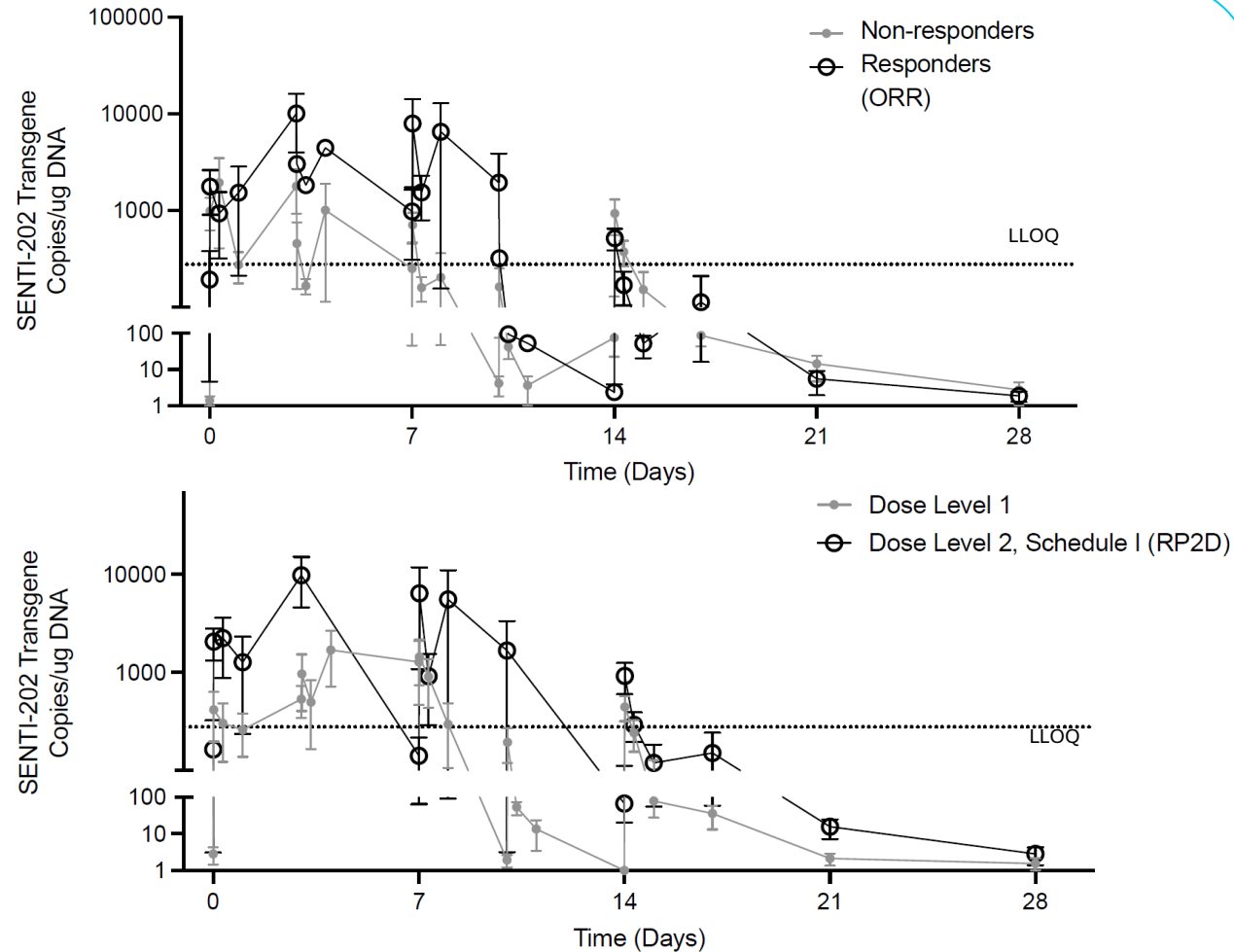
- Among all responders (ORR), patients with any detectable HSPC at baseline achieved CR/CRh, while patients with no detectable HSPC at baseline achieved MLFS.
- In responders achieving CR/CRh, the proportion of HSPCs in bone marrow was increased or maintained.



# Rapid Peripheral Blood Cell Count Recovery Consistent With SENTI-202's Unique NOT Gate Mechanism of Action



# SENTI-202 Peripheral Blood Exposure is Generally Consistent Across All Dosed Patients



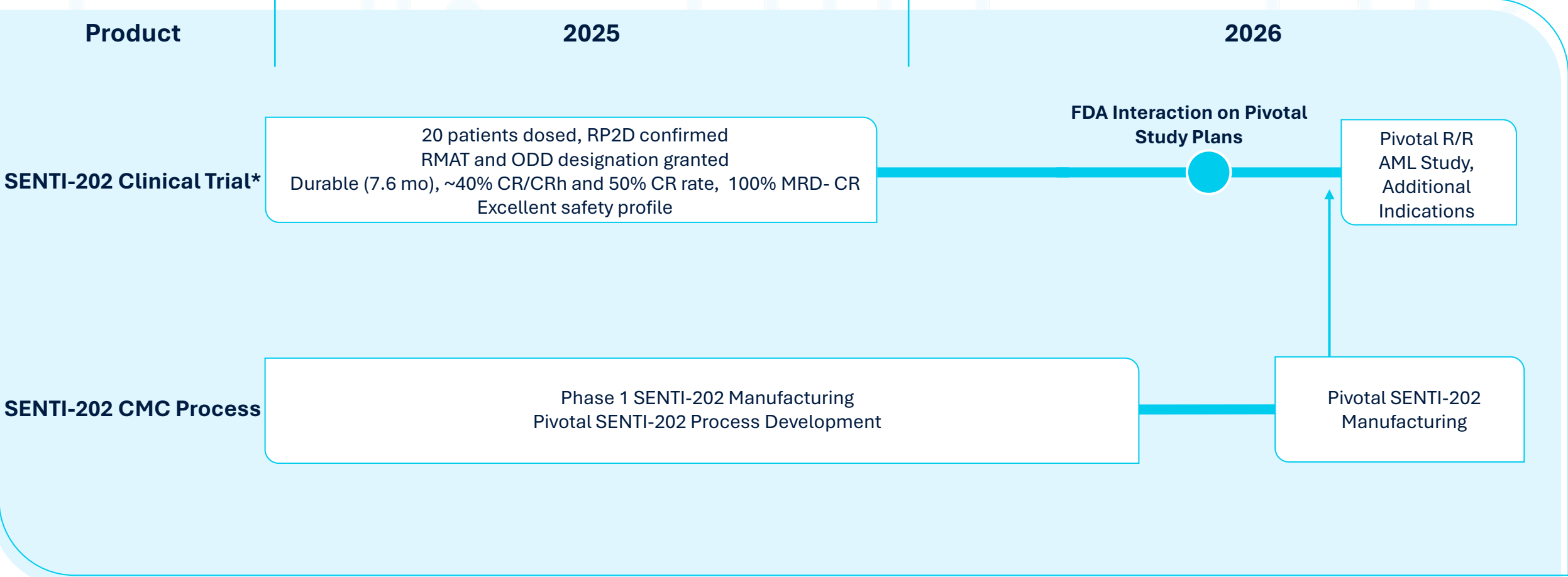
- SENTI-202 is detected in periphery of treated subjects, with PK profile consistent with allogeneic NK cell therapies
  - Peripheral expansion in the first 14 days
  - Clearance from periphery after the first two weeks
- Patients who responded (ORR) had a preliminary trend\* to increased SENTI-202 exposure compared to non-responders
- Preliminary trend\* to dose dependent increased SENTI-202 exposure with increased dose level

\*statistically not-significant

# SENTI-202 Demonstrated Promising Results in the Treatment of Relapsed/Refractory Acute Myeloid Leukemia

- **SENTI-202-101** trial has enrolled heavily treated R/R AML patients with poor prognosis
  - Dose finding is complete with no DLTs/ MTD and RP2D confirmed
  - Dose expansion is ongoing at RP2D of  $1.5 \times 10^9$  CAR+ NK cells/ dose X 3 weekly doses/ 28 days
- **SENTI-202** is well tolerated with out-patient dosing potential
  - Most frequent Grade 3+ AEs were predominantly hematologic, unrelated to SENTI-202 and consistent with events observed in R/R AML patients receiving LD
  - No SENTI-202 related SAEs/ Dose Limiting Toxicities/ AEs resulting in discontinuation
  - Most frequent SENTI-202 related AEI Grade 1/2 pyrexia that resolves rapidly with standard of care
- **SENTI-202** demonstrates promising preliminary efficacy
  - 50% of patients at RP2D and 50% of patients overall achieved an ORR
  - 42% of patients at RP2D and 39% of patients overall achieved CR/CRh
  - Estimated median duration of composite complete remission across all patients of 7.6 months (6.1, NE)
  - 100% CR and ~80+% of all responses are MRD negative
- **SENTI-202** peripheral PK consistent with allogeneic CAR-NK cell therapy profiles
  - Preliminary trend to dose dependent increased exposure observed at RP2D and in patients achieving an ORR
- **SENTI-202** has received both RMAT and Orphan Drug Designation and expansion cohort continues to enroll
  - Protocol designed to permit seamless Phase 1 to pivotal study transition

# Next Steps to Accelerate SENTI-202 into Pivotal Study



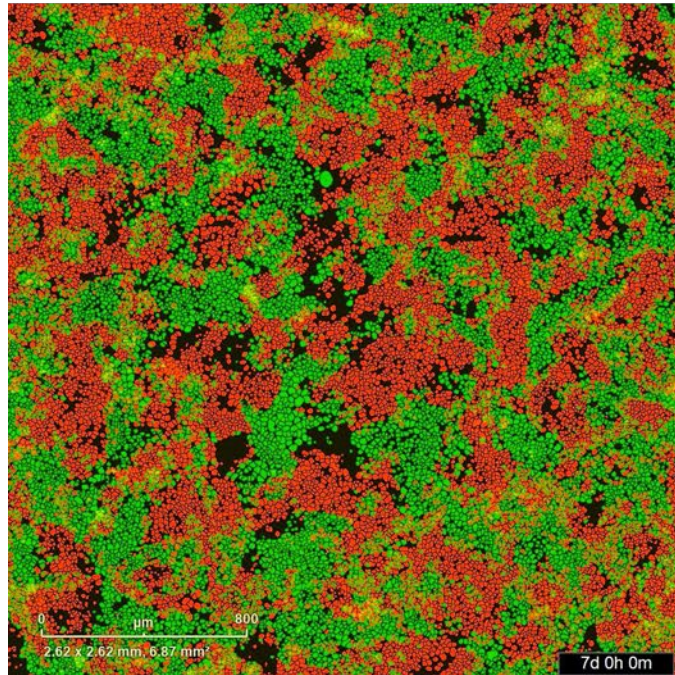
\*Assumes additional financing to continue pivotal process development end of 2025 and to support enrolment of dose expansion patients in 2026

# Platform Designed for Rapid Optimization of Highly Potent & Protective Logic Gates in NK Cells for Solid Tumors

● Cancer cells ( $VSIG2^-CEA^+$ )

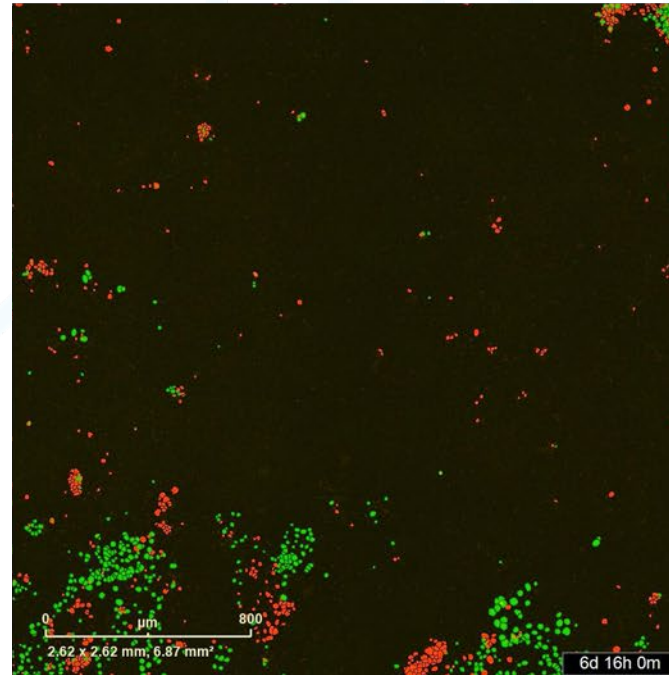
● Model healthy cells ( $VSIG2^+CEA^+$ )

No NK Cells



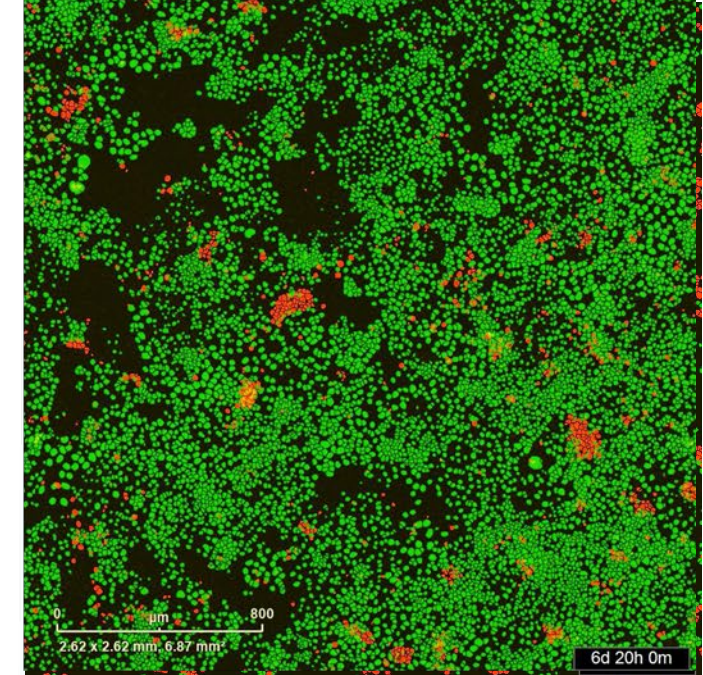
No killing of cancer or healthy cells

CEA CAR-NK Cells



Significant killing of both cancer and healthy cells

CEA NOT VSIG2 CAR-NK Cells



Precise killing of cancer cells while sparing healthy cells

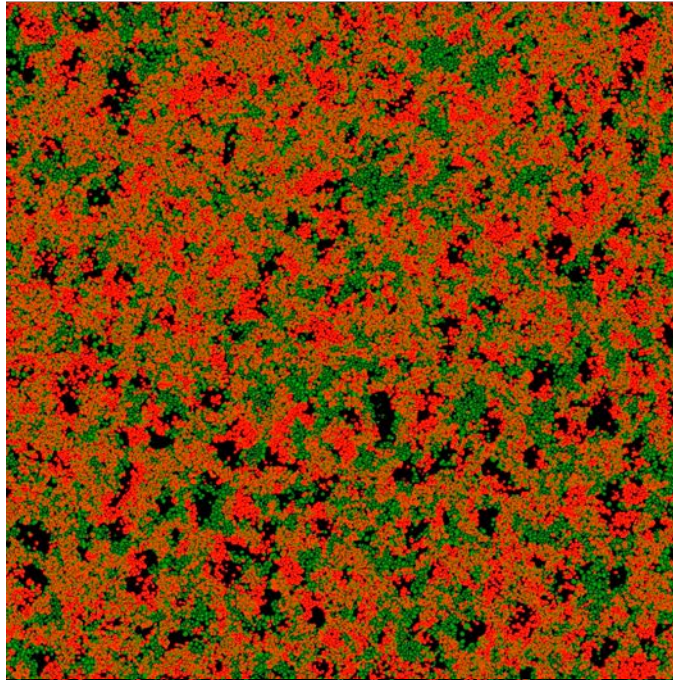
**CEA NOT VSIG2 CAR-NK cells spared VSIG2-expressing model healthy cells while maintaining robust on-target, on-tumor killing of CEA+ cancer cells**

# Platform Designed for Rapid Optimization of Highly Potent & Protective Logic Gates in T Cells for Solid Tumors

● Cancer cells ( $VSIG2^-CEA^+$ )

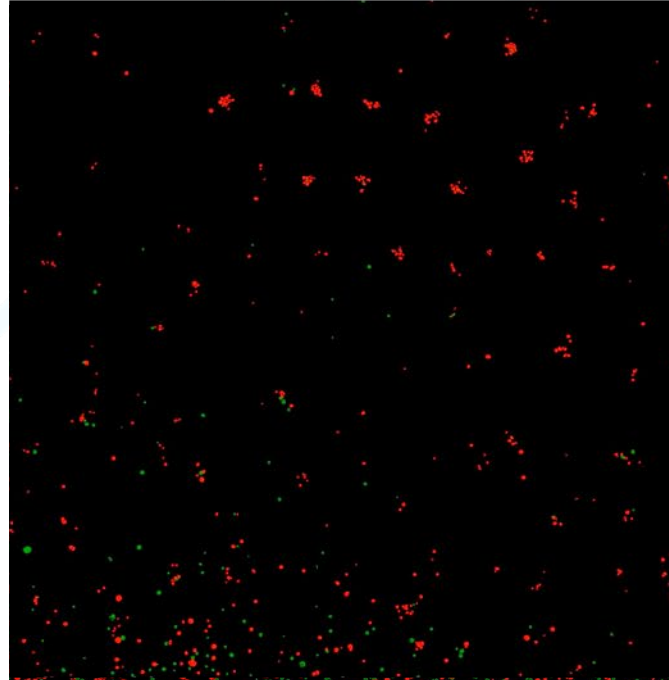
● Model healthy cells ( $VSIG2^+CEA^+$ )

No T Cells



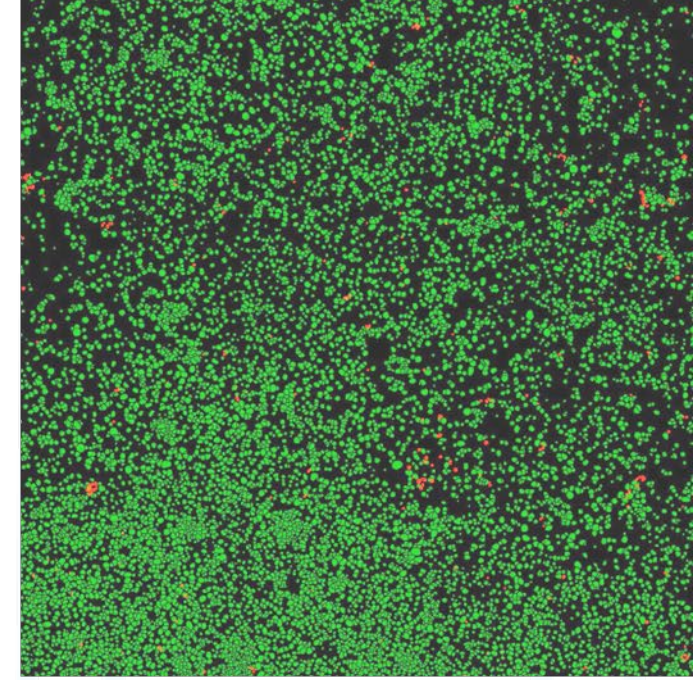
No killing of cancer or healthy cells

CEA CAR-T Cells



Significant killing of both cancer and healthy cells

CEA NOT VSIG2 CAR-T Cells



Precise killing of cancer cells while sparing healthy cells

**CEA NOT VSIG2 CAR-T cells spared VSIG2-expressing model healthy cells while maintaining robust on-target, on-tumor killing of CEA+ cancer cells**

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Thank You!



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