



## Commitment to a Cure

Corporate Presentation

*September 2022*

NASDAQ: CLLS

EURONEXT GROWTH: ALCLS.PA



# Forward-Looking Statements

This presentation contains “forward-looking” statements within the meaning of applicable securities laws, including the Private Securities Litigation Reform Act of 1995. Forward-looking statements may be identified by words such as “designed to”, “anticipate,” “expected,” “on track,” “plan,” “scheduled,” and “will,” or the negative of these and similar expressions.

These forward-looking statements, which are based on our management’s current expectations and assumptions and on information currently available to management, including information provided or otherwise publicly reported by our licensed partners. Forward-looking statements about advancement, timing and progress of clinical trials (including with respect to patient enrollment and follow-up), the timing of our presentation of data and submission of regulatory filings, the adequacy of our supply of clinical vials, the operational capabilities at our manufacturing facilities, and the sufficiency of cash to fund operations.

These forward-looking statements are made in light of information currently available to us and are subject to numerous risks and uncertainties, including with respect to the numerous risks associated with biopharmaceutical product candidate development as well as the duration and severity of the COVID-19 pandemic and governmental and regulatory measures implemented in response to the evolving situation.

With respect to our cash runway, our operating plans, including product development plans, may change as a result of various factors, including factors currently unknown to us. Furthermore, many other important factors, including those described in our Annual Report on Form 20-F and the financial report (including the management report) for the year ended December 31, 2021 and subsequent filings Collectis makes with the Securities Exchange Commission from time to time, as well as other known and unknown risks and uncertainties may adversely affect such forward-looking statements and cause our actual results, performance or achievements to be materially different from those expressed or implied by the forward-looking statements. Except as required by law, we assume no obligation to update these forward-looking statements publicly, or to update the reasons why actual results could differ materially from those anticipated in the forward-looking statements, even if new information becomes available in the future.

# Collectis at a Glance



**4** Ongoing  
Clinical Trials

**40+** patients dosed in  
Collectis-sponsored trials



**Global GMP  
Facilities**

- Operational since mid-2021
- End-to-end manufacturing autonomy



**Near-Term Clinical  
Catalysts**

- UCART clinical data updates



**\$135M**

Cash Runway into 2024\*

## Diversified Partnerships with Industry Leaders



**~200+** patients dosed to date

- Revenues > **\$4B** in milestones + royalties
- **6 trials** sponsored by Collectis' licensed partners



# UCARTs are “Off-The-Shelf”

## Scalable Manufacturing



Reduced cost  
Scalable manufacturing:  
1 batch = 100s doses

## Robustness



The goal is to provide  
potency and consistency  
to each patient

## Market Access



Immediately available  
to all eligible patients

Control Production & Costs for Patients Safety and Profitability

# Experts in Gene-Editing Use TALEN<sup>®</sup>



# Collectis' UCART Candidate Platform

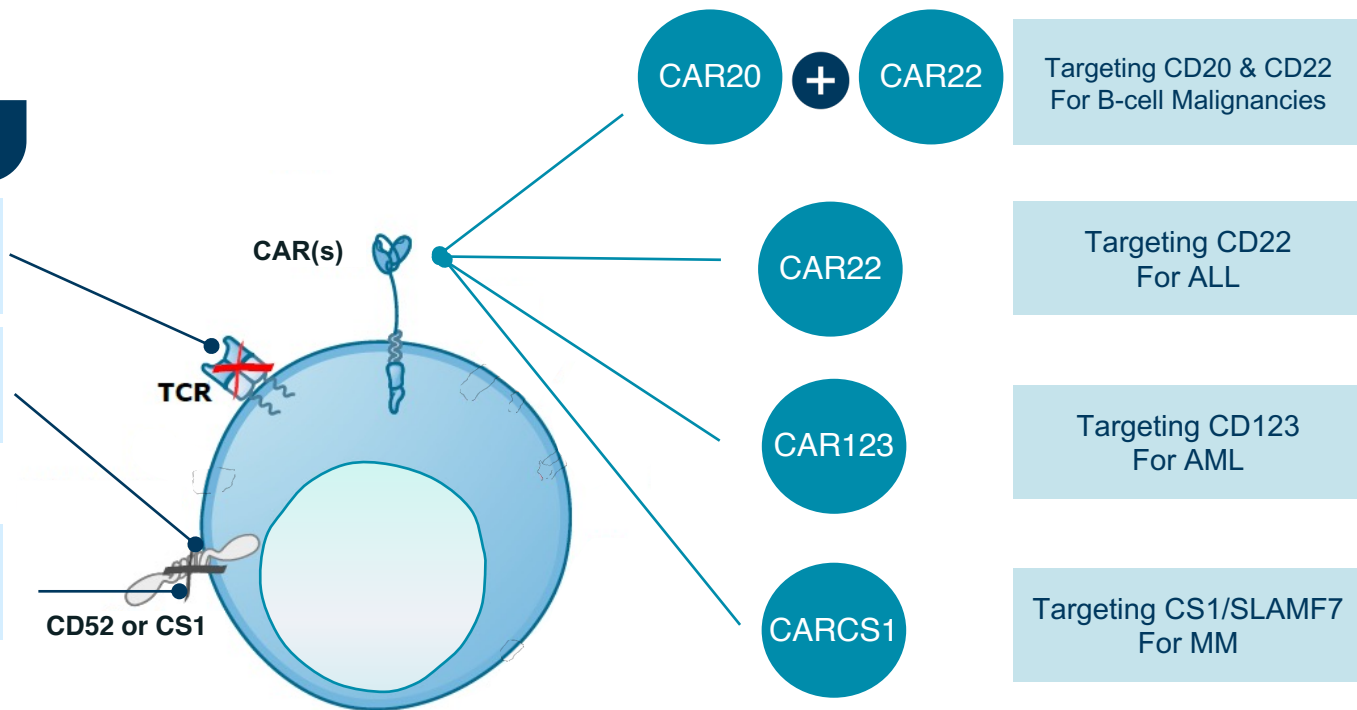
## TALEN® Powered

TCR $\alpha$  KO  
Against GvHD

CD52 KO  
Resistance to alemtuzumab

or












CS1 KO  
Self-lymphodepleting



# Differentiated Targets & Near-Term Catalysts

Fully Owned

Licensed Partners

Candidate / Target	Indication	Study	Preclinical	Phase 1 Dose Escalation	Phase 1 Dose Expansion	Pivotal Phase <sup>2</sup>	Upcoming Expected Milestones
UCART22 CD22	ALL	BALLI-01 NCT04150497					Initiate dosing with in-house product
UCART123 CD123	AML	AMELI-01 NCT03190278					DL2i with FCA preconditioning
UCARTCS1 CS1/SLAMF7	MM	MELANI-01 NCT04142619					DL1 with FC preconditioning
UCART20x22 Dual Target CD20, CD22	NHL	NatHaLi-01					Initiate Phase 1/2a with in-house product second half of 2022
							<b>Licensed to:</b>
ALLO-501 <sup>1</sup> ALLO-501A <sup>1</sup> CD19	NHL	ALPHA NCT03939026 ALPHA2 NCT04416984					  U.S. rights
ALLO-715 <sup>3</sup> +/- nirogacestat <sup>4</sup> BCMA	MM	UNIVERSAL NCT04093595					
ALLO-605 <sup>3</sup> BCMA	MM	IGNITE NCT05000450					
ALLO-316 <sup>5</sup> CD70	RCC	TRAVERSE NCT04696731					

ALL, Acute Lymphoblastic Leukemia; AML, Acute Myeloid Leukemia; MM, Multiple Myeloma; NHL, Non-Hodgkin's Lymphoma; RCC, Renal Cell Carcinoma.

<sup>1</sup> ALLO-501 and ALLO-501A are exclusively licensed to Servier and under a joint clinical development program between Servier and Allogene. The ALPHA and ALPHA2 studies targets Diffuse Large B-Cell Lymphoma (DLBCL) and Follicular Lymphoma (FL) indications, which are subtypes of NHL.

<sup>2</sup> Phase 3 may not be required if Phase 2 is registrational.

<sup>3</sup> ALLO-715 and ALLO-605 target BCMA which is a licensed target from Cellectis. ALLO-715 and ALLO-605 utilize TALEN® gene-editing technology pioneered and owned by Cellectis. Allogene has an exclusive license to the Cellectis technology for allogeneic products directed at the BCMA target. Allogene holds global development and commercial rights for this investigational candidate.

<sup>4</sup> Allogene sponsored trial in combination with SpringWorks Therapeutics.

<sup>5</sup> ALLO-316 targets CD70 which is a licensed target from Cellectis. ALLO-316 utilize TALEN® gene-editing technology pioneered and owned by Cellectis. Allogene has an exclusive license to the Cellectis technology for allogeneic products directed at the CD70 target.

Allogene holds global development and commercial rights for this investigational candidate.



# Collectis' UCART Platform



# UCART22 – BALLI-01 Trial Design

Phase I/IIa, Open Label Dose-escalation and Dose-expansion Study to Evaluate the Safety, Expansion, Persistence and Clinical Activity of UCART22 in Patients with Relapsed or Refractory CD22+ B-cell Acute Lymphoblastic Leukemia

## Dose Escalation

Determine MTD  
and/or RP2D

Dose Expansion  
LD regimen: FC or FCA

Up to 30 pts; mTPI design; 2-4 pts/cohort

Up to 53 pts; binomial exact study design; LD regimen: FC or FCA

### Objectives

#### Primary/Secondary:

- Safety and tolerability
- MTD/RP2D
- Response (NCCN criteria; investigator assessed)

#### Exploratory

- UCART22 expansion and persistence, VCN and chimerism in WB and BM
- Immune reconstitution

### Key Eligibility Criteria

- Patients aged 15 years to 70 years
- Adequate organ function
- ECOG PS  $\leq$ 1
- B-ALL blast CD22 expression  $\geq$ 70%
- Received  $\geq$ 1 standard chemotherapy regimen and  $\geq$ 1 salvage regimen

### Dose Levels

DL-1  $1 \times 10^4$  cells/kg

• DL1  $1 \times 10^5$  cells/kg

• DL2  $1 \times 10^6$  cells/kg

• DL3  $5 \times 10^6$  cells/kg

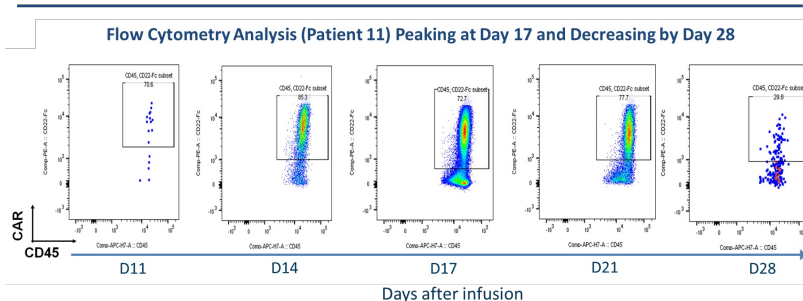
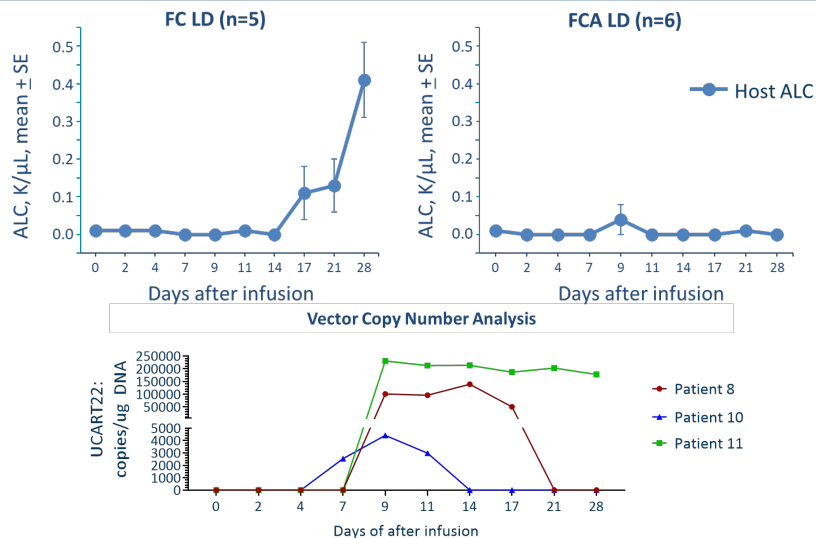
F: 30 mg/m<sup>2</sup>/d x4d; C: 1 g/m<sup>2</sup>/d x3 d;  
F: 30 mg/m<sup>2</sup>/d x3 d; C: 500 mg/m<sup>2</sup>/d x3  
d A: 20 mg x3d



NCT04150497

MTD: Maximum Tolerated Dose; RP2D: Recommended Phase 2 Dose; LD: Lymphodepletion; DL: Dose Level; F: Fludarabine; C: Cyclophosphamide; FC: Fludarabine + Cyclophosphamide ;  
FCA: Fludarabine + Cyclophosphamide + Alemtuzumab; NCCN: National Comprehensive Cancer Network; VCN: Viral Copy Number; WB: White Blood; BM: Bone Marrow;  
ALL: Acute Lymphoblastic Leukemia

# Promising Anti-Leukemic Activity with UCART22



Data Source: ASH 2021 Conference Presentation

FC: Fludarabine + Cyclophosphamide; FCA: Fludarabine + Cyclophosphamide + Alemtuzumab;

LD: Lymphodepletion; DL2: Dose Level 2; DL2i: Intermediate Dose Level 2

- Host lymphocytes on average remained suppressed
- 2/6 patients achieved blast reductions to < 5% by day 28
  - 1 pt in DL2: 0.4% BM blast
  - 1 pt in DL2i: 0% BM blast
- FCA demonstrates improved lymphodepletion and UCART22 expansion with encouraging anti-leukemic activity

# UCART22 Administration Shows Promising Tolerable Safety Profile

## Patient Characteristics (N=12)

**Median age:** 30 (20-61)

### WHO classification:

- B-ALL with recurrent genetic abnormalities: 7 (58%);
- CRFL2 rearrangement: 4 (33%)

**Median prior lines of therapy:** 3 (2-6)

- Prior blinatumomab: 8 (73%)
- Prior inotuzumab: 5 (45%)
- Prior CD19 CART: 3 (27%)

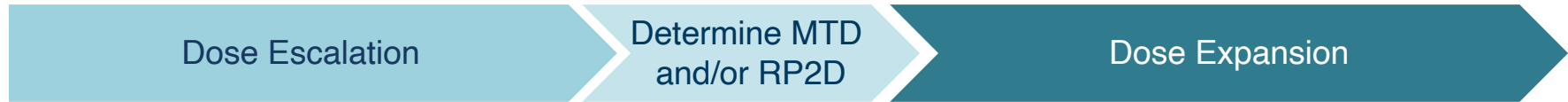
## Safety: FCA Cohorts (N=6)

- 0** dose limiting toxicity
- 0** ICANS (immune effector cell associated neurotoxicity)
- 0** severe UCART22-related TEAEs (treatment emergent adverse events)
- 3** patients with mild to moderate CRS (cytokine release syndrome)
- 1** patient with GII GvHD; skin only\*

\*not confirmed by biopsy; in context of re-activation of prior allogeneic bone marrow donor

# UCART123 – AMELI-01 Trial Design

## Phase I, Open Label Dose-escalation and Dose-expansion Study to Evaluate the Safety, Expansion, Persistence and Clinical Activity of UCART123 in Patients with Relapsed or Refractory Acute Myeloid Leukemia



Up to 28 pts; mTPI design; 2-4 pts/cohort

18-37 pts; Simon's two-stage design

Objectives
<p><b>Primary/Secondary:</b></p> <ul style="list-style-type: none"> <li>Safety and tolerability</li> <li>Establish MTD and identify RP2D</li> <li>Efficacy</li> </ul> <p><b>Exploratory</b></p> <ul style="list-style-type: none"> <li>UCART123 expansion, trafficking, and persistence</li> <li>Profile cytokine, chemokine, growth factor, and C-reactive protein levels post-infusion</li> </ul>

Key Eligibility Criteria
<ul style="list-style-type: none"> <li>Patients with relapsed or primary refractory AML (&gt;5% bone marrow blasts)</li> <li>Patients with CD123+ blast cells</li> <li>PS of <math>\leq 1</math> and adequate organ function</li> <li>Identified donor and transplant strategy prior to LD (dose-escalation)</li> </ul>

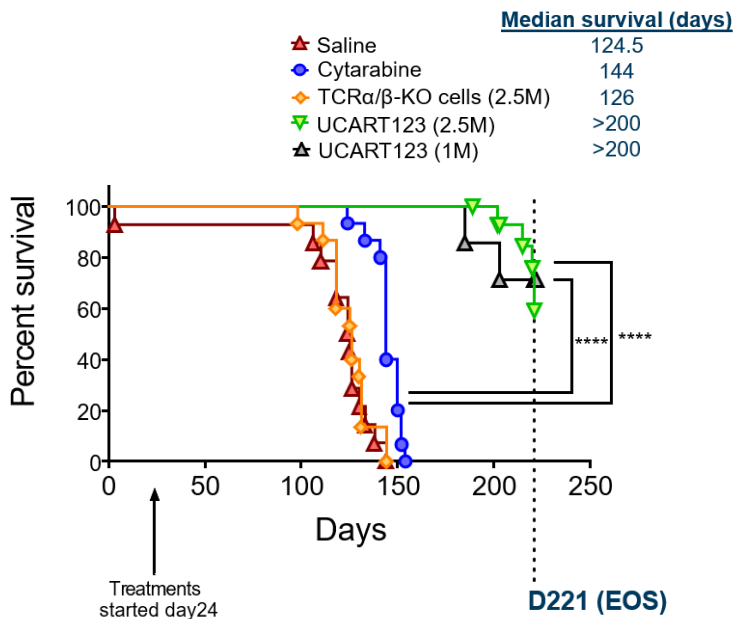
Dose Levels
<ul style="list-style-type: none"> <li>DL-1 1.25<math>\times 10^5</math> cells/kg</li> <li>DL1 2.5<math>\times 10^5</math> cells/kg</li> <li>DL2 6.25<math>\times 10^5</math> cells/kg</li> <li>DL3 3.30<math>\times 10^6</math> cells/kg</li> <li>DL4 5.05<math>\times 10^6</math> cells/kg</li> </ul> <p>F: 30 mg/m<sup>2</sup>/d x 4d; C: 750 g/m<sup>2</sup>/d x 3d; F: 30 mg/m<sup>2</sup>/d x 4d; C: 750 g/m<sup>2</sup>/d x 3d; A: 12 mg/d x4d</p>



NCT04106076

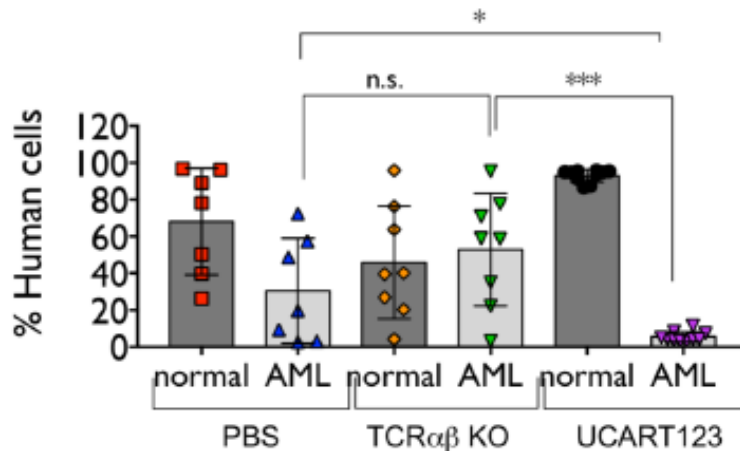
MTD, Maximum Tolerated Dose; RP2D, Recommended Phase 2 Dose; DL, Dose Level; PS, Performance Status; mTPI, modified Toxicity Probability Interval; LD, Lymphodepletion; AML: Acute Myeloid Leukemia

# UCART123 Effectively Eliminates AML with no Major Impact on Normal Hematopoietic Progenitor Cells in AML PDX Model



UCART123 led to increased survival compared to standard AML treatment and controls

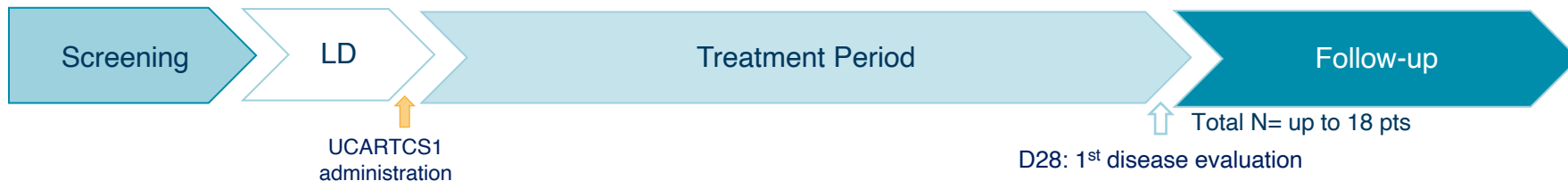
## Bone Marrow evaluation at sacrifice



Leukemic cells are selectively eliminated by UCART123, while most of the normal BM human cells (expressing lower levels of CD123) are spared

# UCARTCS1 – MELANI-01 Study Schema

## Phase I, Open Label Dose-Escalation Study to Evaluate the Safety, Expansion, Persistence and Clinical Activity of UCARTCS1, Administered in Patients with Relapsed or Refractory Multiple Myeloma



Objectives
<b>Primary/Secondary:</b>
<ul style="list-style-type: none"> <li>Safety and tolerability</li> <li>MTD and Efficacy</li> </ul>
<b>Exploratory</b>
<ul style="list-style-type: none"> <li>CS1 expression on MM cells</li> <li>UCARTCS1 expansion and persistence</li> <li>Changes in serum biomarkers; immune cell reconstitution</li> </ul>

Key Eligibility Criteria
<ul style="list-style-type: none"> <li>Patients with confirmed MM (IMWG criteria) relapsed after prior MM therapy</li> <li>ECOG PS &lt;2</li> <li>No prior investigational drug or CAR therapy targeting CS1</li> <li>Adequate organ function</li> </ul>

Dose Levels
<ul style="list-style-type: none"> <li>DL-1    3 × 10<sup>5</sup> cells/kg</li> <li>DL1      1 × 10<sup>6</sup> cells/kg</li> <li>DL2      3 × 10<sup>6</sup> cells/kg</li> <li>DL3      9 × 10<sup>6</sup> cells/kg</li> </ul>
F: 30 mg/m <sup>2</sup> /d x 4d; C: 1 g/m <sup>2</sup> /d x3 d

NCT04142619

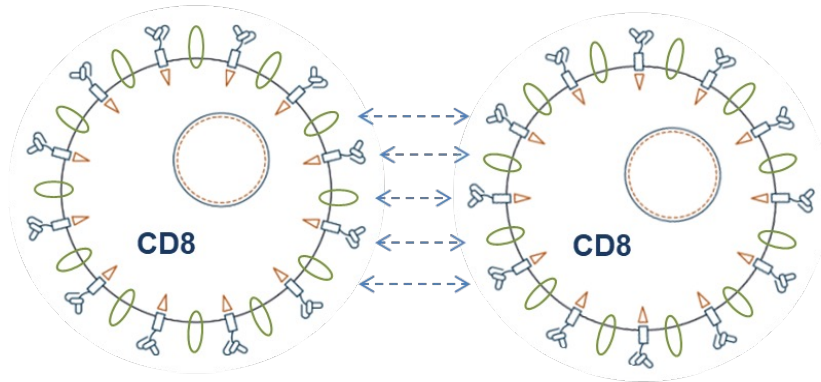
\*Lymphodepletion: Fludarabine 30mg/m<sup>2</sup>/day, Day -5 to -2; Cyclophosphamide 1g/m<sup>2</sup>/day, Day -4 to -2; F: Fludarabine; C: Cyclophosphamide;

CS1, CD2 subset-1 (also CD319/SLAMF7); D, Day; DL, Dose Level; ECOG PS, Eastern Cooperative Oncology Group Performance Status; IMWG, International Myeloma Working Group; MM, Multiple Myeloma; MTD, Maximum Tolerated Dose; LD: Lymphodepletion

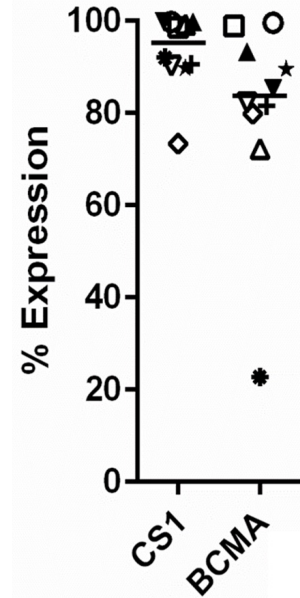


# CS1 Is a Relevant Therapeutic Target in Multiple Myeloma

- CS1 (CD319, SLAMF7)
  - Highly and consistently expressed in MM cells
  - Not expressed in normal tissues or stem cells
- CS1 is expressed on CD8+ T-cells
  - TALEN®-mediated CS1 inactivation prevents cross T-cell reactivity and facilitates CAR T-cell production



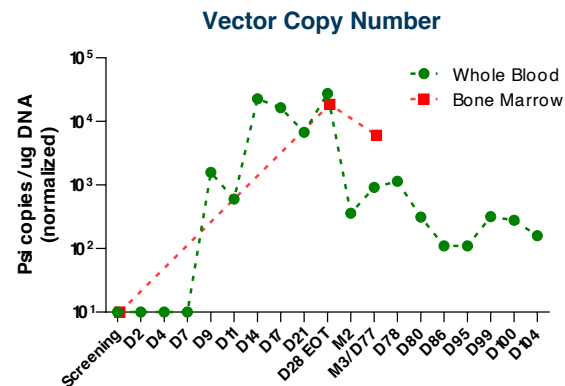
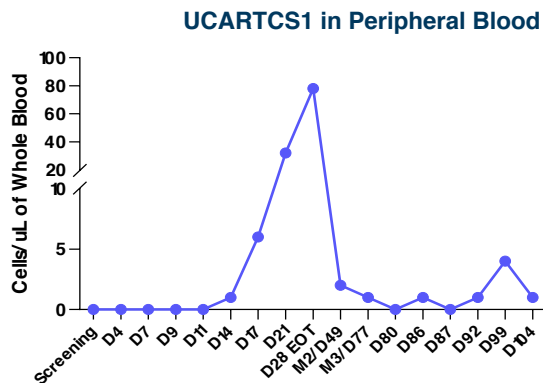
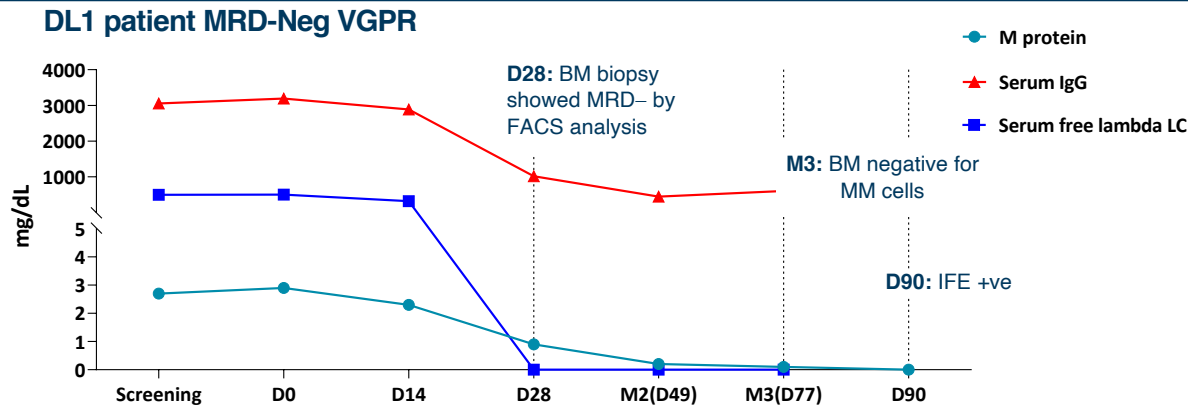
Target expression in MM patient samples\*



\*ASH 2017

Rohit Mathur, Sattva Neelapu

# Preliminary Data Validate CS1 as a Target for CAR T in Multiple Myeloma



Data Source: ASGCT 2021 Conference Presentation

D, Day; M, Month; BM, Bone Marrow; MRD, Minimal Residual Disease; MM, Multiple Myeloma; VGPR, Very Good Partial Response; DLI, Dose Level 1



# UCART20x22: Overcoming CAR T Challenges with Next Generation Dual Antigen Target

## UCART20x22

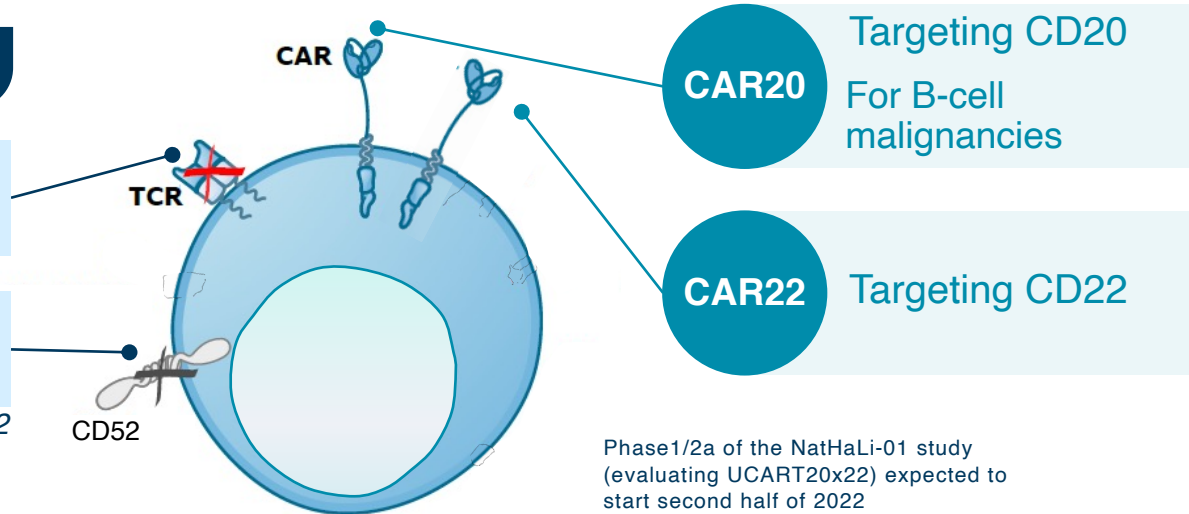
- Strong alternative to CD19 (highly competitive/crowded)
- CD22 and CD20 are validated targets in B-cell malignancies
- Dual targeting designed for better killing & prevent escape
- Strong *in vitro* and *in vivo* preclinical results & fast to develop

**TALEN® Powered**

**TCR $\alpha$  KO**  
Against GvHD

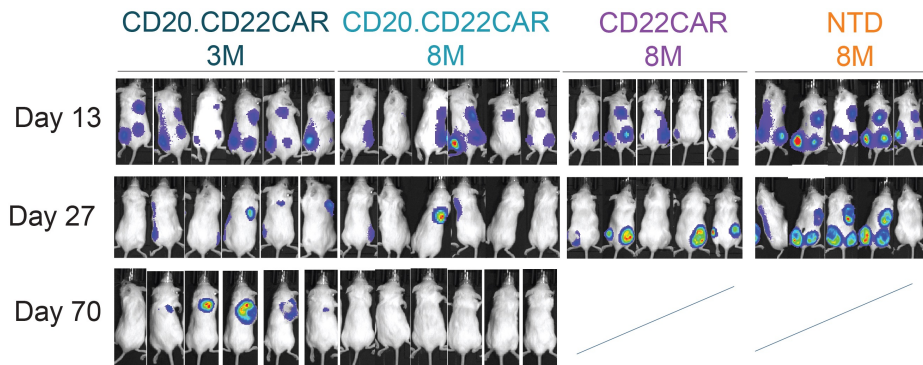
**CD52 KO**  
Resistance to alemtuzumab

*same as in UCART22  
and UCART123*



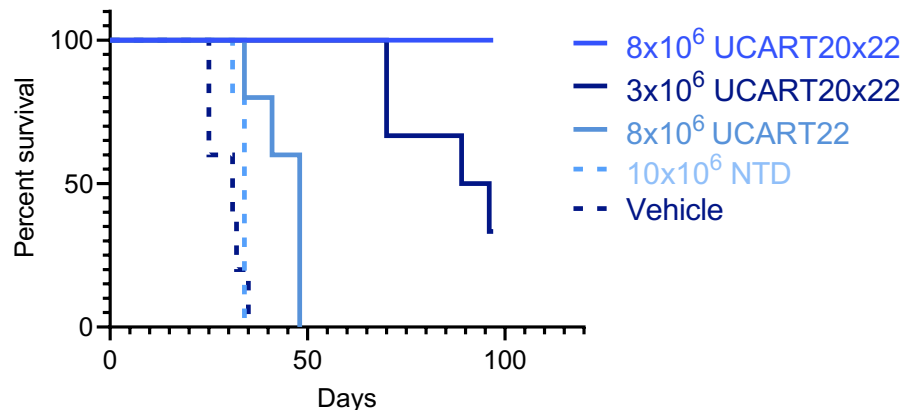
Phase1/2a of the NatHaLi-01 study  
(evaluating UCART20x22) expected to  
start second half of 2022

# UCART20x22 – Efficient Activity *in vivo* Against Multiple Target Combinations



**Subcutaneous lymphoma tumors expressing different antigen combinations in a single mouse**

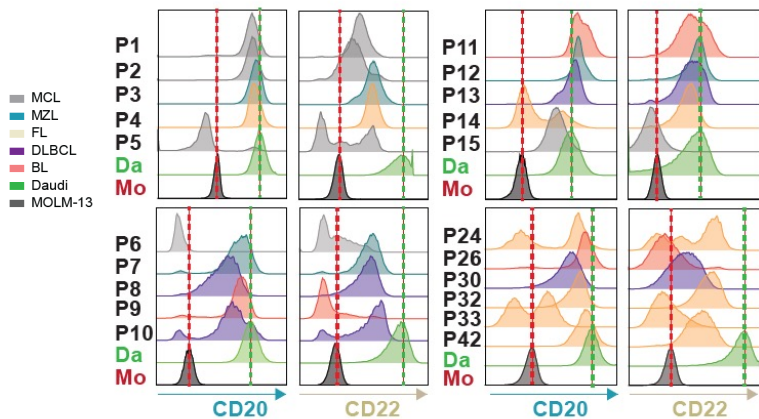
- CD20-CD22+
- CD20+CD22-
- CD20+CD22+



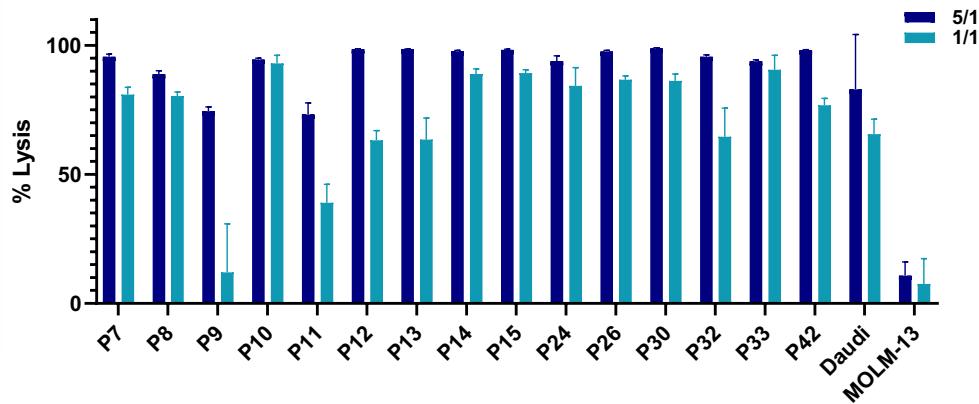
**UCART20x22 efficiently eradicates *in vivo* tumors expressing different CD20/CD22 antigen combinations in a dose dependent manner**

# Efficient B-NHL Primary Sample Targeting with UCART20x22

Primary B-NHL tumors express CD20 and CD22



Cytotox activity against B-NHL samples



UCART20x22 efficiently targets primary B-NHL cells

# UCART Platform Takeaways from ~200 Patients\*

## GvHD

TCR $\alpha$  KO results in safe, non-alloreactive UCART

## Engraftment

CD52 KO + alemtuzumab provides a safe, effective & controllable therapeutic window

## Persistence

Redosing feasible; encouraging pre-clinical activity in NHL and ALL

## Safety

Profile on par with approved autologous CAR T therapies

## Efficacy

Anti-tumor activity consistent with autologous products



\* Includes fully owned and partnered assets.

# Expected Milestones over the Next 12 Months

## UCART22 r/r B-ALL

Start dosing with in-house manufactured products

Determine RP2D and lymphodepletion

## UCART123 r/r AML

Enroll at DL2i with FCA preconditioning

Determine RP2D and lymphodepletion

## UCARTCS1 r/r MM

Enroll DL1 with FC preconditioning

Determine RP2D and lymphodepletion

## UCART20x22 r/r NHL

Initiate Phase 1/2a with in-house products second half of 2022

## Additional

Updates from licensed partners (Allogene, Iovance and Cytovia)

# Discover, Create, Develop, Produce and Test



## New York, New York

*Innovation, Clinical Development*

**25,000 sq ft. facility**

- ✓ Gene Editing platform – TALEN®
- ✓ I/O discovery platform
- ✓ Gene therapy discovery platform
- ✓ Clinical development



## Paris, France

*HQ, PD/AD, Starting Materials*

**55,000 sq ft. facility**

- ✓ Process & analytical development
- ✓ Raw materials manufacturing
- ✓ QC labs
- ✓ Warehouse
- ✓ Cryogenic Storage rooms



## Raleigh, North Carolina

*UCART – Clinical & potential for Commercial*

**82,000 sq ft. facility**

- ✓ Cell therapy GMP manufacturing
- ✓ QC labs
- ✓ Warehouse
- ✓ Cryogenic Storage rooms

# Key Takeaways – Why Collectis?



## Innovative Allogeneic CAR T

Breaking Paradigms with Life-Saving Therapies



## End-to-end In-house Manufacturing

Owning Manufacturing is Owning the Product



## Best-In-Class Gene Editing Platform

Safe, Precise & Efficient, Backed by Strong IP



## Strong Partnerships

Anticipated Milestones, Diversified Financial Upsides

# Thank You

Reach us at:  
[investors@collectis.com](mailto:investors@collectis.com)

## Collectis Paris

8, rue de la Croix Jarry 75013  
Paris – France



## Collectis New York

430 East 29th Street  
New York, NY, 10016 – USA



## Collectis Raleigh

2500 Sumner Boulevard  
Raleigh, NC, 27616 – USA

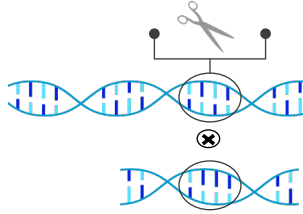




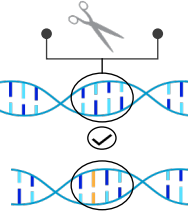
# Appendix

# Powerful and Comprehensive Gene Editing Platform

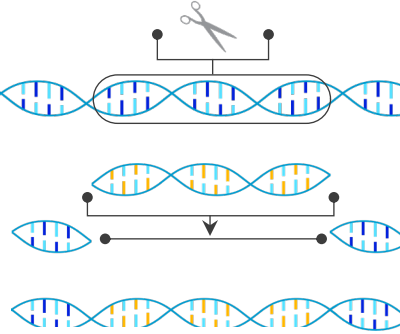
## Gene Knockout



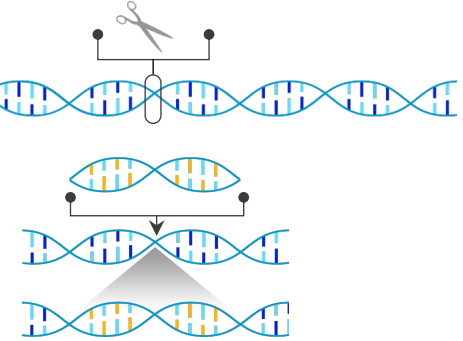
## Gene Repair



## Gene Replacement



## Gene Insertion



Nucleases

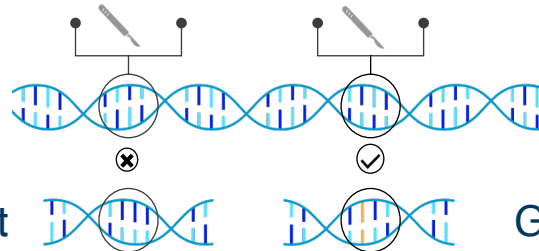


Base editors

Experts in Gene Editing:

- ✓ 30+ years for Collectis' founders
- ✓ 22 years doing gene editing
- ✓ 10 years developing TALEN®

Proprietary electroporation technology










Gene Knockout

Gene Repair



# Why TALEN®?

	<b>Maturity</b> 	<b>Genome Outreach</b> 	<b>Recognition Site</b> # base pairs 	<b>Chromotrypsis</b> 	<b>Precision</b> 	<b>Vectorization</b> 	<b>IP</b> 
<b>TALEN®</b>	In clinic since 2015	Euchromatin & heterochromatin	32	Not reported	Every 7 base pairs	mRNA	Strong for CLLS
<b>CRISPR</b>	In clinic since 2018	Euchromatin only	~20	Yes	Every 64 base pairs	RNP	Scattered

# Diversified Partnerships with Industry Leaders

2014



Exclusive worldwide license to CD19-directed allogeneic CAR T-cells

**CAR T  
CD19**

Up to \$410M In Development & Sales Milestones

+ Low Double-Digit Royalties on Sales

2015<sup>1</sup>



U.S. rights sublicensed to Allogene by Servier

2014<sup>1</sup>



Exclusive worldwide license to 15 allogeneic CAR T-cell targets

**CAR T  
BCMA  
CD70**

Up to \$2.8B In Development & Sales Milestones

+ High Single-Digit Royalties on Sales

2020



Research collaboration and exclusive worldwide license agreement to develop gene-edited TILs

**TILs**

Undisclosed Financials

2021



Worldwide research collaboration and license agreement to develop gene-edited iPSC-derived NK and CAR-NK cells

**iPSC-  
derived  
NK**

\$20M Upfront Convertible Note

Up to \$805M in Development & Sales Milestones

+ Single-Digit Royalties on Sales



<sup>1</sup> Initially granted to Pfizer, Inc. In 2018, Pfizer and Allogene Therapeutics, Inc. entered into an asset contribution agreement pursuant to which Allogene purchased Pfizer's portfolio of assets related to allogeneic CAR T-cell therapy, including the CD19 US rights sublicensed by Servier, and the exclusive worldwide license to 15 allogeneic CAR-T targets.