



The Next Revolution in Cell Therapy

Leading Today, Defining Tomorrow

November 2022

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Caution should be exercised when interpreting results from separate trials involving separate product candidates. There are differences in the clinical trial design, patient populations, follow-up times, and the product candidates themselves, and the results from the clinical trials of autologous products may have no interpretative value on our existing or future results.

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Allogene: Creating the Allogeneic Cell Therapy Playbook

4 Foundational platform technologies

- AlloCAR T™
- TurboCAR™
- iPSC
- Allogeneic manufacturing



>175 Patients treated



More patients treated with AlloCAR T™ product candidates than any other allogeneic CAR T

~350
employees

defining the field and writing the allogeneic CAR T playbook



\$637 million

in cash, cash equivalents and investments as of September 30, 2022



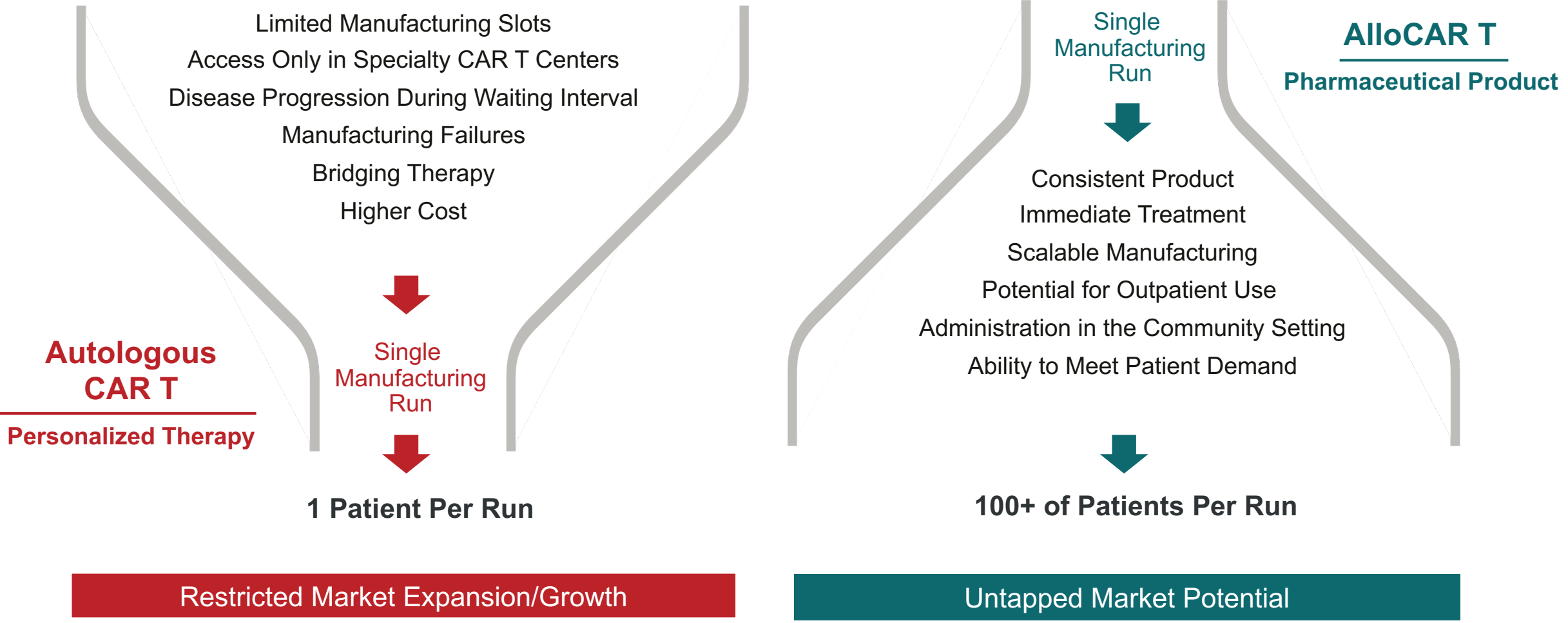
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singular focus on allogeneic cell therapy

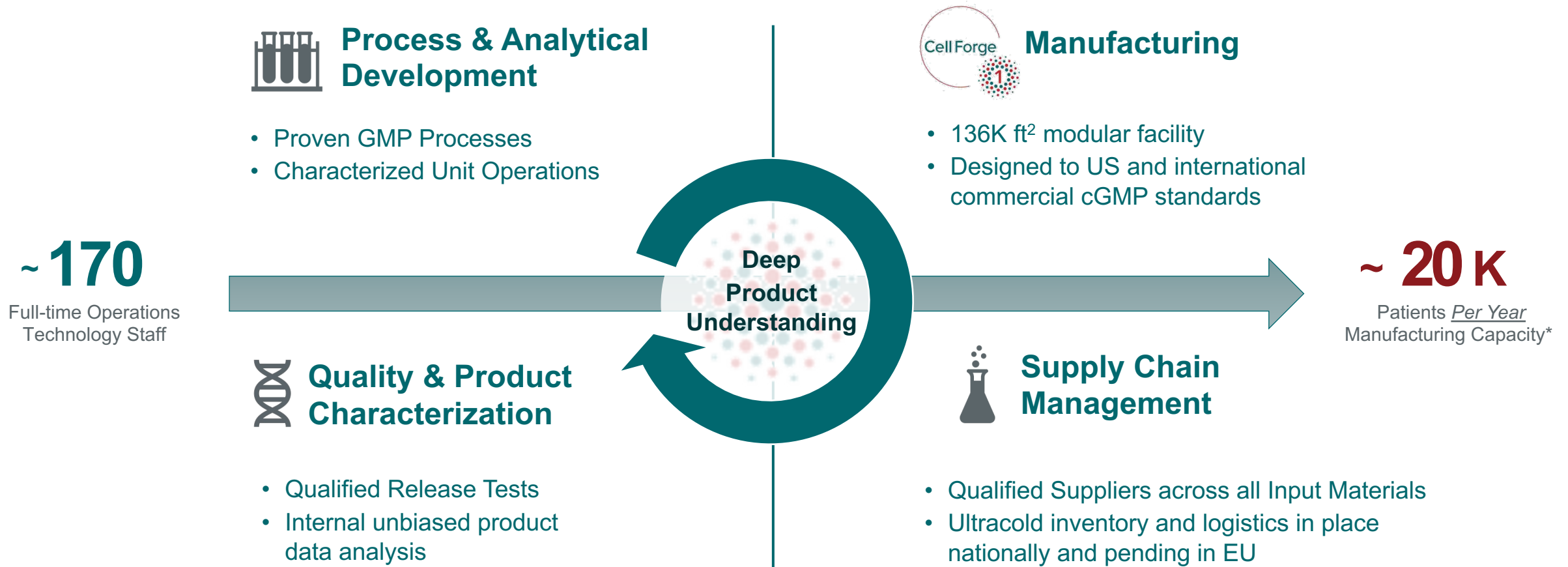
The industry's **first** allogeneic CAR T Phase 2 trial



AlloCAR T: Potential to Break the Bottleneck in Cell Therapy



Fully-Integrated Operations Technology Organization



* Projection for first potential commercial asset, ALLO-501A, at scale

Broad Allogeneic Pipeline Across Heme and Solid Tumors

CATEGORY		PROGRAM	PRE-CLINICAL	PHASE 1	PHASE 2/3 ¹
Hematological Malignancies	CD19	ALPHA2: ALLO-501A (NHL)	<div></div>	<div></div>	
		ALPHA: ALLO-501 (NHL)	COMPLETED ACCRUAL; FOLLOW-UP ONLY		
	BCMA	UNIVERSAL: ALLO-715 (MM)	<div></div>	<div></div>	
		IGNITE: ALLO-605 (TurboCAR™/MM)	<div></div>	<div></div>	
		ALLO-316 (CD70/AML)	<div></div>		
		ALLO-819 (FLT3/AML)	<div></div>		
Solid Tumors		TRAVERSE: ALLO-316 (CD70/RCC)	<div></div>	<div></div>	
		ALLO-316 (Other CD70+ tumors)	<div></div>		
		DLL3 (SCLC)	<div></div>		
		8 Undisclosed Targets	<div></div>		
Lymphodepletion Agent		EXPAND: ALLO-647 (Anti-CD52 mAb)²	INITIATION ACTIVITIES UNDERWAY		

¹ Phase 3 may not be required if Phase 2 is registrational

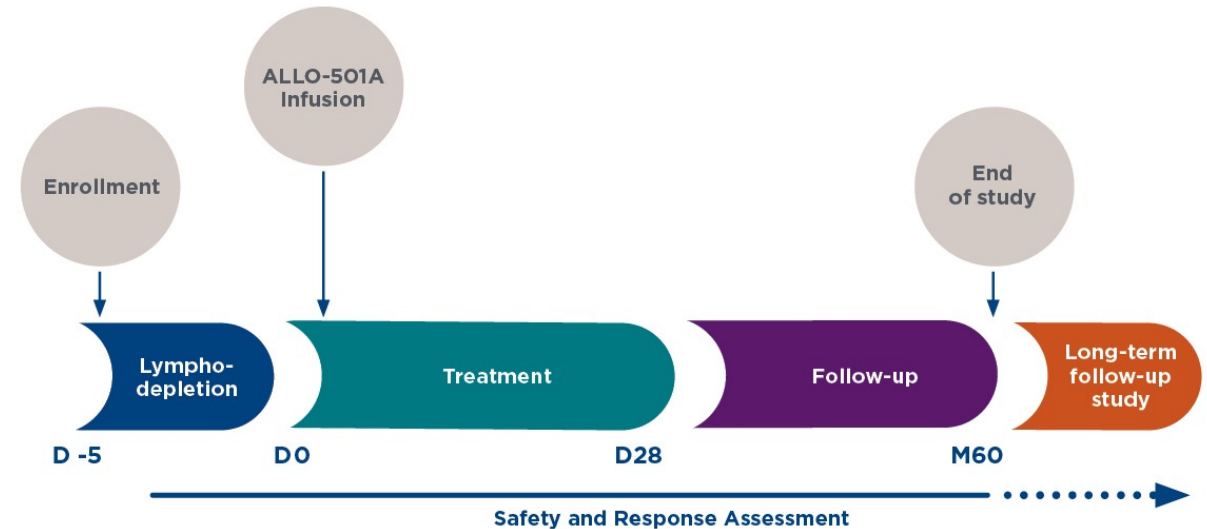
² ALLO-647 intended to enable expansion and persistence of allogeneic CAR T product candidates



ALPHA2: Industry's First Allogeneic CAR T Phase 2 Study

Single Arm, Open Label Study Evaluating ALLO-501A in Patients with r/r Large B Cell Lymphoma

- Key Objective: Assess the clinical efficacy of ALLO-501A
- Primary Endpoint: Overall Response Rate (ORR)
- Key Secondary Endpoint: Duration of Response
- Target enrollment: 100 patients



Treatment Regimen

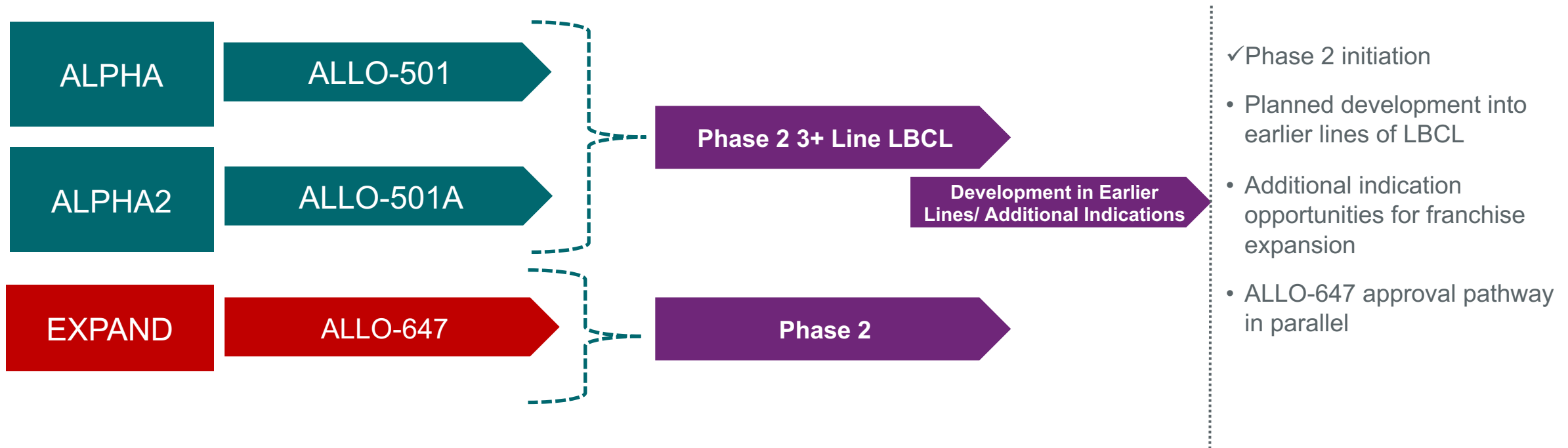
- Lymphodepletion
 - Flu: 30 mg/m² per day x 3 days
 - Cy: 300 mg/m² per day x 3 days
 - ALLO-647: 90 mg
- ALLO-501A: 120 million CAR+ cells following lymphodepletion



ALLO-501A Potentially Pivotal Study – Label Expansion Opportunities

2022

Objectives



ALLO-501/ALLO-501A: Durable Complete Responses

R&D Showcase to Feature Clinical Updates on ALPHA and ALPHA2 Trials

Advantage of AlloCAR T Delivery Established:

- ~97% of patients treated between 2-5 days of study enrollment

Consistent & Manageable Safety Paves Outpatient Use:

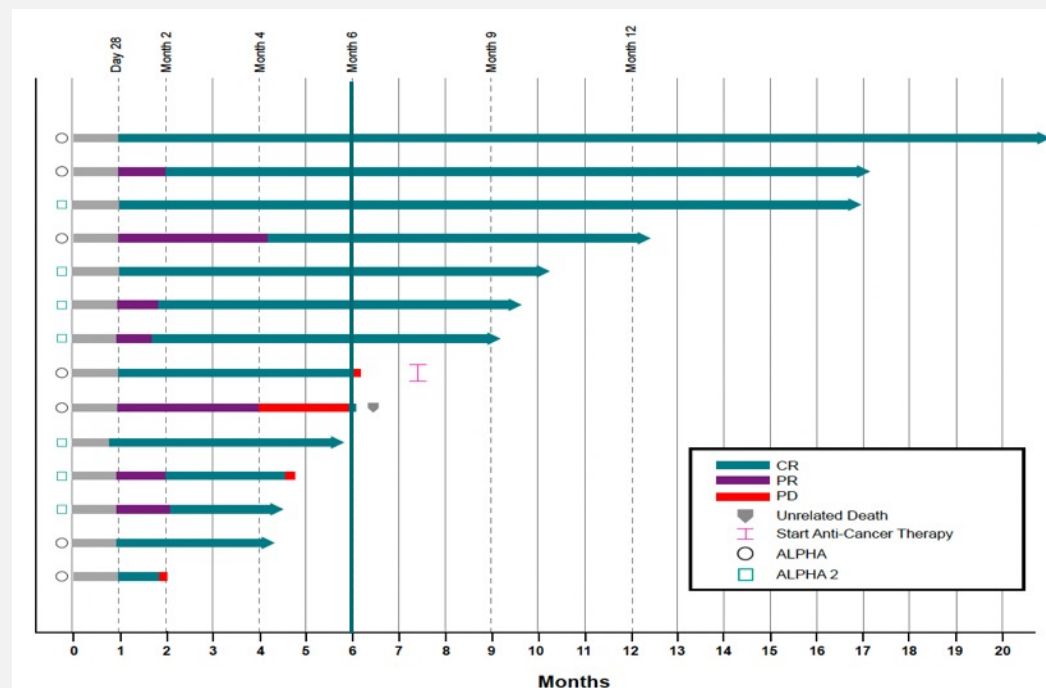
- No DLTs
- No GvHD
- Minimal Grade 3 ICANS or CRS
- Grade 3+ infection rates similar to autologous CAR T trials

ALLO-501/501A: Deep and Durable Responses in LBCL

- Durable Responses Observed with 10/14 CRs Ongoing
- All patients who achieved a CR at month 6 remained in CR

Key autologous benchmark:
6-month CR rate in the range of high 20s to 40% (mITT)

Impact in LBCL: All Patients in CR at Month 6 Remain in Response



ALLO-501/501A: CR Rates on Par with Autologous Therapies

	ALLO-501 (LBCL n=11) Phase 1 Dose Escalation	ALLO-501A Consolidation 1 (n=9)	KYMRIAH®# Phase 2 Pivotal	YESCARTA®* Phase 2 Pivotal	BREYANZI®+ Phase 2 Pivotal
ORR	64%	44%	50% (label)	72% (label)	73% (label)
CR in LBCL (mITT)	46% (5/11)***	44%	32% (label)	51% (label)	54% (label)
CR in LBCL (ITT)	42% (5/12)	40%	26%	48%	43%
CR at 6 months in LBCL (mITT)	36%	38%	29%	36%	~ 40%
% enrolled** or lymphodepleted^ but did not receive intended cell product	2% (1/42)****	8% (1/12)	33% (54/165)**	9% (10/111)**	36% (95/299)^
ALLO-501 (FL and LBCL)					
CRS (Gr 3+)	3%	0%	22%	13%	4%
Neuro Events (Gr3+)	3%	0%	12%	31%	12%
Infection (Gr3+)	24%	0%	20%	23%	19%

KYMRIAH USPI. Patient population in the label includes: 78% - primary DLBCL not otherwise specified (NOS); 22% DLBCL following transformation from Follicular Lymphoma

*YESCARTA USPI & Schuster S et al NEJM 2019. Patient population in the label includes: 76% - DLBC; 16% - Transformed Follicular Lymphoma; 8% Primary Mediastinal Large B-cell Lymphoma.

+BREYANZI USPI. Patient population in label includes: 53% - de novo DLBCL; 25% DLBCL transformed from indolent Lymphoma; 14% high-grade B-cell Lymphoma; 7% Primary Mediastinal Large B-cell Lymphoma; 1% grade 3B Follicular Lymphoma

**Percent of patients who enrolled and did not receive intended cell product including out of spec products

***CAR T naïve patients (n=29); 11 DLBCL. For CR at 6 Month 10 patients either reached Month 6 or discontinued/died or progressed. Safety population is N=38 (all patients, FL and DLBCL).

****Percent enrolled is based on total number enrolled (includes FL and LBCL) regardless of prior CAR T therapy

^Percent who underwent lymphodepletion but did not receive intended cell product including out of spec products

^^ Kymriah: estimated from Shuster, 2019, Figure 3B., Breyanzi: Abramson, ASH 2019

ALPHA/ALPHA2 Data Cutoff Date: October 18, 2021



ALLO-715: First AlloCAR T™ To Demonstrate Feasibility in Myeloma

R&D Showcase to Feature Clinical Updates on the UNIVERSAL Trial (Single Dose ALLO-715)

Phase I *UNIVERSAL* Trial Enrolled Refractory Patients

- Heavily pretreated patients
 - Median 5 prior lines of therapy
 - 100% refractory to last line
 - 91% triple refractory
 - 42% penta refractory
- Patients had advanced disease
 - 19% ISS Stage III
 - 21% extramedullary disease

“Off-the-shelf” AlloCAR Ts have potential to address significant unmet need in patients with rapidly progressive disease

- ~90% treated within 5 days of study enrollment
- Obviates need for bridging therapy

Manageable safety:

- No Graft vs. Host Disease (GvHD) or Grade 3 neurotoxicity; Grade 3 cytokine release syndrome (CRS) (2%), Grade 3 Infection (19%)
- Low use of tocilizumab 23% and steroids 14%

Deep and durable responses observed:

- 71% overall response rate and 46% VGPR+ at 320M cell dose
- 92% VGPR+ responses were MRD negative
- 9 of 17 patients remain in response with median duration of response at 8.3 months and ongoing

ASH 2021

VGPR+ = very good partial response or better
MRD = minimal residual disease



Single Dose ALLO-715 Data Indicates Potential to Address Patient Need

Safety	ALLO-715 Ph1 (N=43) ¹	Abecma® (Ide-cel) 300/450M N=127 ²	Carvykti (Cilta-cel) 500k-1M N=97
CRS (Any / Grade ≥3)	56% / 2%	85% / 9%	95% / 5%
Neurologic Toxicity (Any / Grade ≥3)	14% / 0%	28% / 4%	26% / 11% (23% / 5% ICANS)
Infection (Any / Grade ≥3)	30% / 19%	70% / 26%	59% / 27%
Neutropenia ³ (Grade ≥3)	70%	89%	96% / 95%
Grade 5 Adverse Events ⁴	7%	6%	9%

¹ASH 2021; ² Package Insert and Munshi, NEJM, 2021; safety data based on any subject who received cells; ³based on reported adverse events; for Abecma the rate of grade 3 or 4 neutropenia was 96% based on laboratory findings; for Carvykti, based on Usmani, ASCO 2021; ⁴ For Carvykti and Abecma, based on USPI.

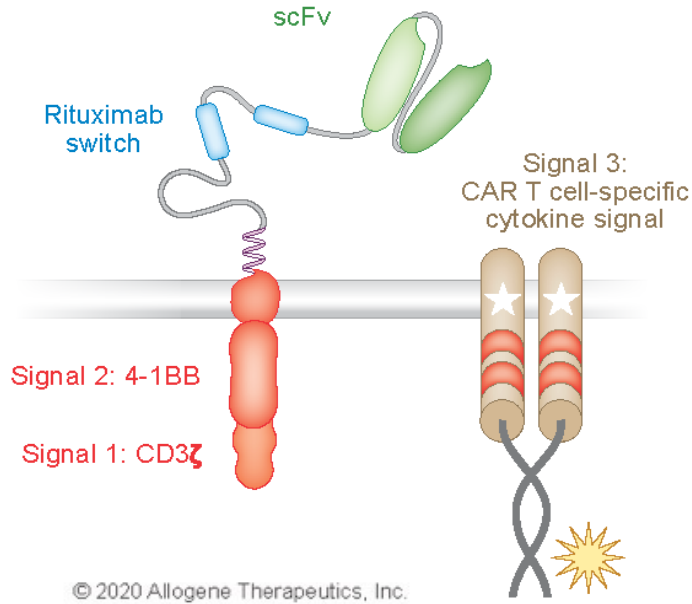
Treatment Administration and Efficacy (mITT)	ALLO-715 320M & FCA (N=24) ¹	Abecma® (Ide-cel) 300/450M N=100 ²	Carvykti (Cilta-cel) 0.5-1.0 x 10 ⁶ N=97
Enrolled	48	135	113
Treated with any cell product ³	43 (90%)	124 (92%)	97 (86%)
Treated with in-spec cell product ³	43 (90%)	100 (74%)	80 (71%)
Days to treatment initiation ⁴	5	33	32
Required bridging therapy	0%	87%	75%
ORR (mITT)	71%	72%	98%
VGPR+ Rate (mITT)	46%	53%	95%
CR/sCR Rate (mITT)	25%	28%	78%
MRD ⁵ - in VGPR+	92%	75%	92%
Duration of Response (median)	8.3 mo and ongoing ⁶	11.0 mo	21.8 mo

¹ ASH 2021; ² Package Insert; ³ cell product that is successfully manufactured and meets release specifications; for Abecma 11 patients did not receive treatment and 24 patients received out of specification product; for Carvykti, 16 patients did not receive Carvykti due to progressive disease and 17 patients received out-of-specification product. ⁴ for ALLO-715, time from enrollment to start of lymphodepletion; for Abecma, time from apheresis to cell product availability (includes 87% of patients who received bridging therapy); ⁵ For UNIVERSAL, MRD status is evaluated in subjects with VGPR+; for Abecma, MRD status is reported among subjects with CR or stringent CR; ⁶ 9 of 17 responding patients remain in response at the time of the data cutoff.



ALLO-605: First TurboCAR™ Candidate in MM

Fast Track Designation Granted June 2021

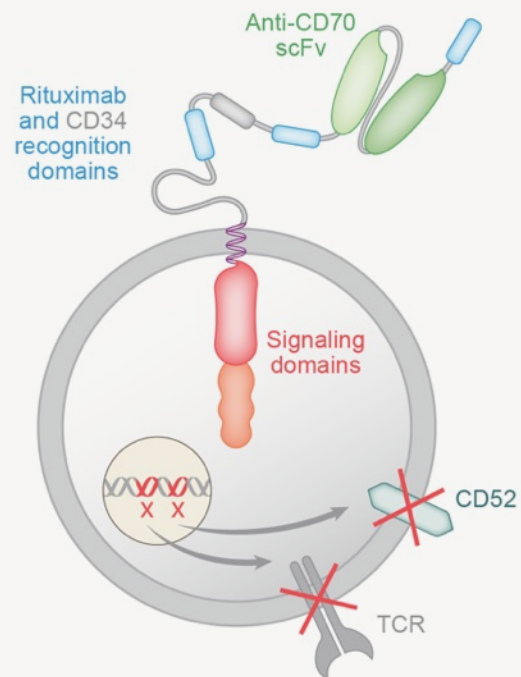


- **TurboCAR™ is designed for selective cytokine signaling in CAR T cells**
 - Delivers benefit only to CAR T cells
 - Does not stimulate host immune cells which could cause systemic toxicity
- **Improved Engraftment and Persistence, and Delayed Exhaustion seen in preclinical studies**
- **Opportunities for development include:**
 - Delaying CAR T exhaustion and improving efficacy of CAR T therapies
 - Improving CAR T potency and reducing CAR T cell dose requirement

ALLO-316: AlloCAR T™ for Renal Cell Carcinoma (RCC)

First of Several Candidates Planned for Development in Solid Tumors

ALLO-316 Schematic



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TRAVERSE Phase 1 Trial

- Phase 1 dose escalation trial
- Establish Foundation in Solid Tumors

The TRAVERSE Trial & Beyond

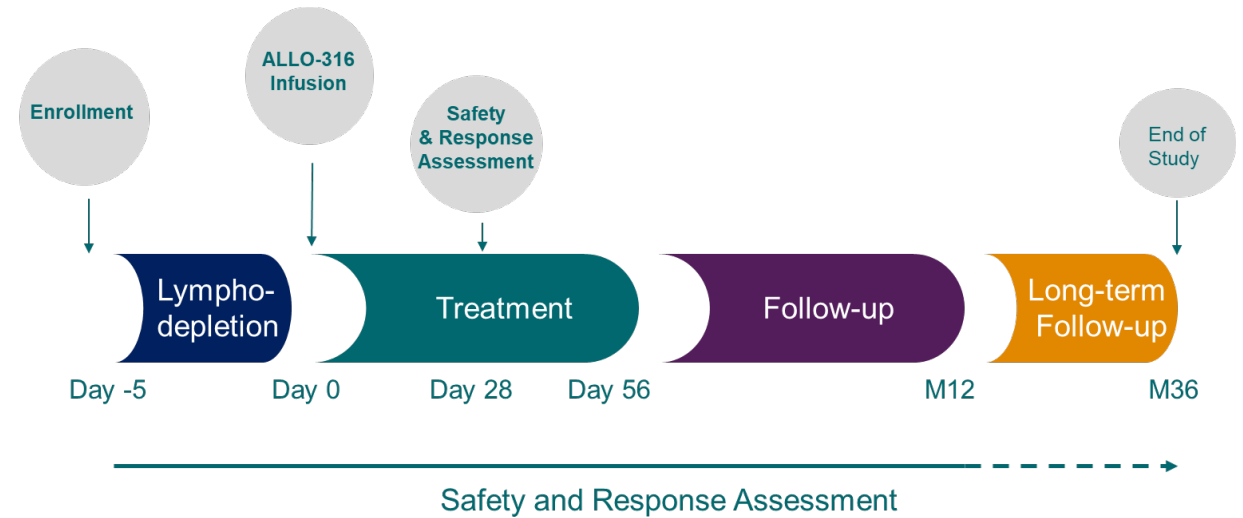
CD70 selectively expressed in several cancers¹:

- RCC (70-80%)
- AML (40-100%)
- DLBCL (71%), MM (63%), CLL (50%)
- GBM (35%)
- NSCLC (30%)
- Cervical/Ovarian (40-50%)
- Head/Neck (25%)

¹ Expert Opin Ther Targets. 2008 Mar; 12(3): 341-351. doi: 10.1517/14728222.12.3.341; Flieswasser et al. 2019

TRAVERSE: Moving AlloCAR T™ into Solid Tumors (RCC)

- Key Objectives:
 - Establish safety and tolerability
 - Determine the recommended cell dose
 - Investigate lymphodepletion sparing conditioning
- Endpoints
 - Primary: Safety and Tolerability
 - Secondary: Anti-tumor Activity, PK/PD
- Design: Dose Escalation
 - 3+3 design
 - Test up to 4 cell doses 40M to 360M cell



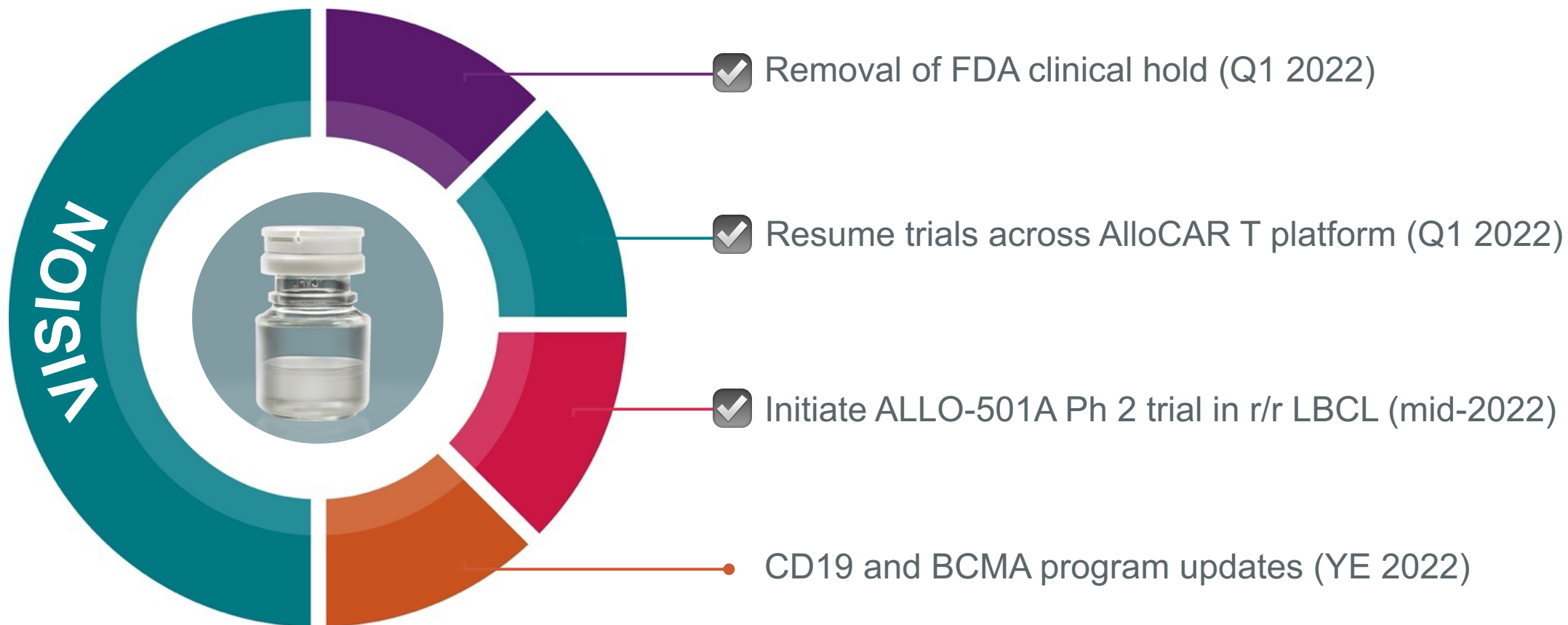
Conditioning Regimen (Day -5, -4, -3)

- Fludarabine 30 mg/m²
- Cyclophosphamide 300 mg/m²
- ALLO-647 10 mg/day

	DL1	DL2	DL3	DL4*
Cell Dose (CAR+ T cells)	40 x 10 ⁶	80 x 10 ⁶	120 x 10 ⁶	360 x 10 ⁶

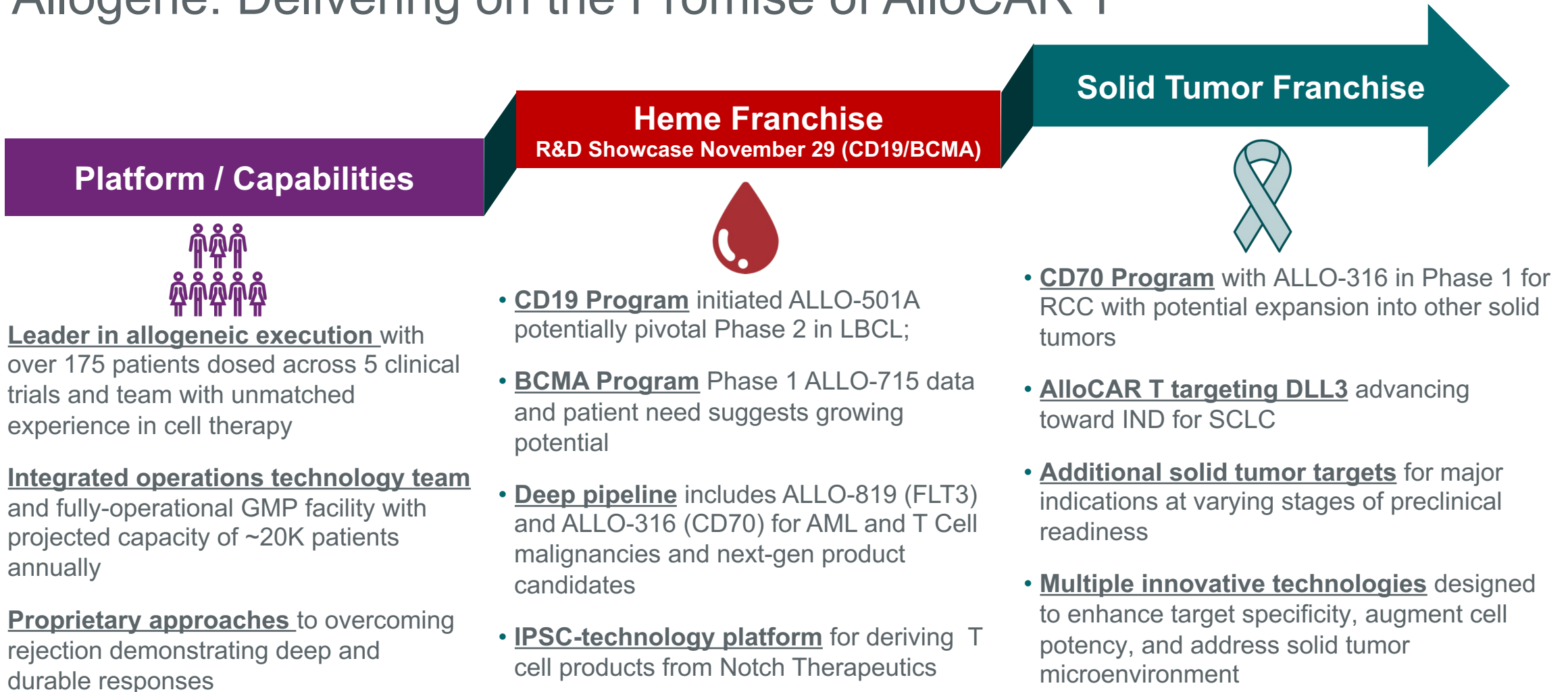
*Optional

Regaining Momentum in 2022



*Define and lead the next revolution in cancer treatment
by delivering to patients the first AlloCAR T™ products for blood cancers and solid tumors.*

Allogene: Delivering on the Promise of AlloCAR T





The Next Revolution in Cell Therapy

Leading Today, Defining Tomorrow

Allogene therapies utilize TALEN® gene-editing technology pioneered and owned by Collectis. ALLO-501 and ALLO-501A are anti-CD19 AlloCAR T™ therapies being jointly developed under a collaboration agreement between Servier and Allogene based on an exclusive license granted by Collectis to Servier. Servier grants to Allogene exclusive rights to ALLO-501 and ALLO-501A in the U.S. Allogene has an exclusive license to the Collectis technology for allogeneic products directed at BCMA, FLT3, DLL3 and CD70.