Creating a preeminent cell therapy company





Leading The Cancer Revolution

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the possibility that the proposed transaction may not be completed in the time frame expected by Parent and the Company, or at all; the risk that Parent and Company may not realize the anticipated benefits of the proposed transaction in the time frame expected, or at all; the effects of the proposed transaction on relationships with Parent's or the Company's employees, business or collaboration partners or governmental entities; the ability to retain and hire key personnel; potential adverse reactions or changes to business relationships resulting from the announcement or completion of the proposed transaction; significant or unexpected costs, charges or expenses resulting from the proposed transaction; the potential impact of unforeseen liabilities, future capital expenditures, revenues, costs, expenses, earnings, synergies, economic performance, indebtedness, financial condition and losses on the future prospects, business and management strategies for the management, expansion and growth of the combined business after the consummation of the proposed transaction; potential negative effects related to this announcement or the consummation of the proposed transaction on the market price of Parent's American Depositary Shares or the Company's common stock and/or Parent's or the Company's operating or financial results; uncertainties as to the long-term value of Parent's American Depositary Shares (and the ordinary shares represented thereby), including the dilution caused by Parent's issuance of additional American Depositary Shares (and the ordinary shares represented thereby) in connection with the proposed transaction; unknown liabilities related to Parent or the Company; the nature, cost and outcome of any litigation and other legal proceedings involving Parent, the Company or their respective directors, including any legal proceedings related to the proposed transaction; risks related to global as well as local political and economic conditions, including interest rate and currency exchange rate fluctuations; potential delays or failures related to research and/or development of Parent's or the Company's programs or product candidates; risks related to any loss of Parent's or the Company's patents or other intellectual property rights; any interruptions of the supply chain for raw materials or manufacturing for Parent or the Company's product candidates, the nature, timing, cost and possible success and therapeutic applications of product candidates being developed by Parent, the Company and/or their respective collaborators or licensees; the extent to which the results from the research and development programs conducted by Parent, the Company, and/or their respective collaborators or licensees may be replicated in other studies and/or lead to advancement of product candidates to clinical trials, therapeutic applications, or regulatory approval; uncertainty of the utilization, market acceptance, and commercial success of Parent or the Company's product candidates, and the impact of studies (whether conducted by Parent, the Company or others and whether mandated or voluntary) on any of the foregoing; unexpected breaches or terminations with respect to Parent's or the Company's material contracts or arrangements; risks related to competition for Parent's or the Company's product candidates; Parent's or the Company's ability to successfully develop or commercialize Parent's or the Company's product candidates; Parent's, the Company's, and their collaborators' abilities to continue to conduct current and future developmental, preclinical and clinical programs; potential exposure to legal proceedings and investigations; risks related to changes in governmental laws and related interpretation thereof, including on reimbursement, intellectual property protection and regulatory controls on testing, approval, manufacturing, development or commercialization of any of Parent's or the Company's product candidates; unexpected increase in costs and expenses with respect to the potential transaction or Parent's or the Company's business or operations; and risks and uncertainties related to epidemics, pandemics or other public health crises and their impact on Parent's and the Company's respective businesses, operations, supply chain, patient enrollment and retention, preclinical and clinical trials, strategy, goals and anticipated milestones. 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A more complete description of these and other material risks can be found in Parent's and the Company's respective filings with the U.S. Securities and Exchange Commission (the "SEC"), including each of their Annual Reports on Form 10-K for the year ended December 31, 2021, subsequent Quarterly Reports on Form 10-Q and other documents that may be filed from time to time with the SEC, as well as, the Registration Statement on Form S-4 which includes the joint proxy statement of Parent and the Company that also constitutes the prospectus of Parent, which joint proxy statement/prospectus will be mailed or otherwise disseminated to Parent's shareholders and the Company's stockholders when it becomes available. Parent and the Company also plan to file other relevant documents with the SEC regarding the proposed transaction. 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Leading The Cancer Revolution

Strategic combination transaction details

Terms/Ownership	 Stock for stock transaction Adaptimmune shareholders will own ~75% of the combined company TCR² stockholders will own ~25% of the combined company
Cash Position	Cash runway for combined company extended into 2026*
Assets	 Clinical programs targeting MAGE-A4 and mesothelin Enhancements in IND-enabling studies for PRAME and CD70
CEO and Board of Directors	 Adrian Rawcliffe, current Adaptimmune CEO, will lead the combined company Nine members of Board of Directors; six from Adaptimmune, three from TCR²
Locations	 Locations in key cell therapy and innovation hubs: Cambridge, MA, Philadelphia, PA and Oxford/Stevenage, UK
Timing and Approvals	 Currently expected in Q2 2023 Subject to approval of both companies' stockholders/shareholders Subject to other closing conditions





Strategic combination creates a preeminent cell therapy company











Solid tumors represent ~90% of all cancers

Potential products in indications for MAGE-A4 and mesothelin

New targets: PRAME and CD70;
Next-gen toolbox

Experienced teams successfully advancing and manufacturing T-cell therapies

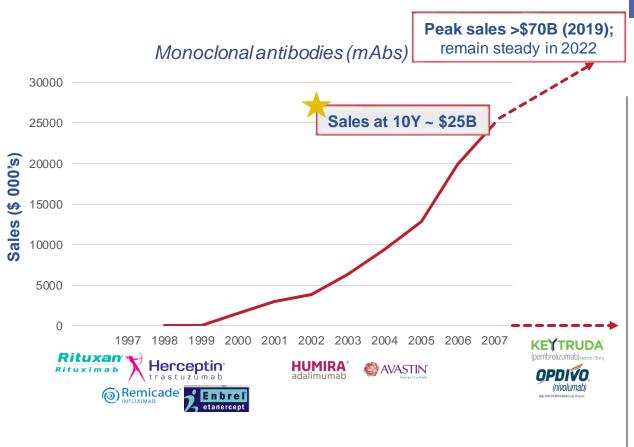
Significant operational benefits



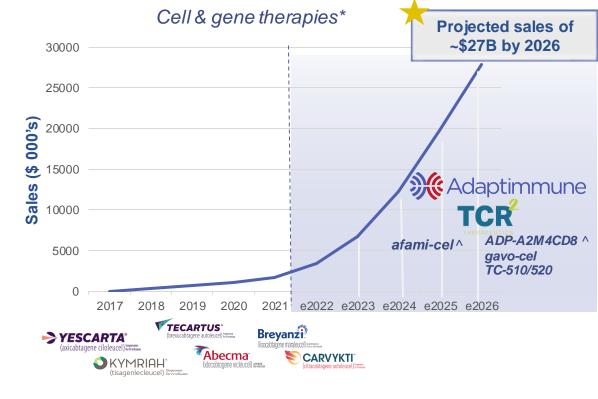


Cell and gene therapies set to transform the treatment landscape





Combined company poised to be an early leader



mAbs drove most M&A since 1997 Total: **>\$187B**

















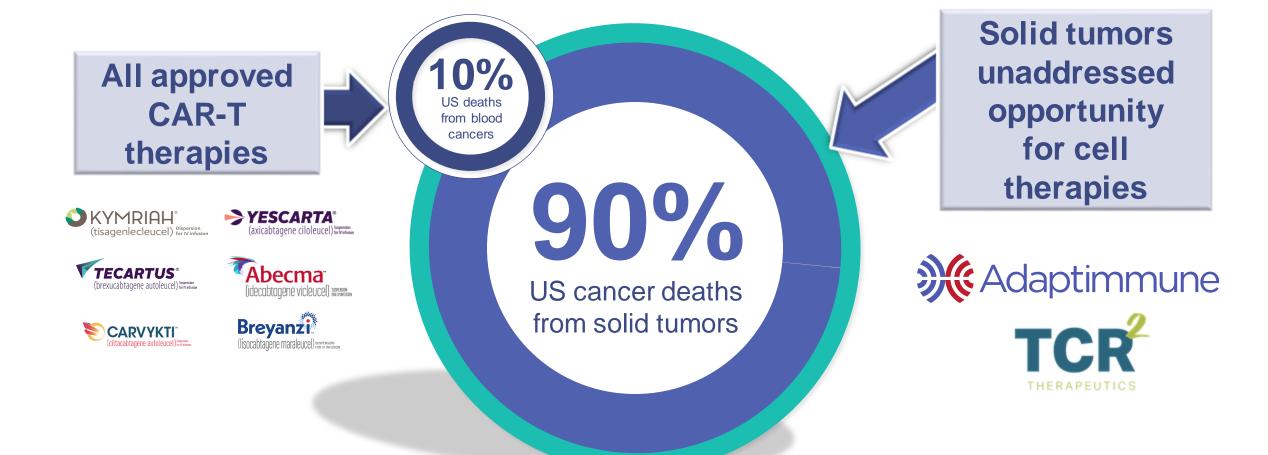






Cell therapy solid tumor space: a significant opportunity





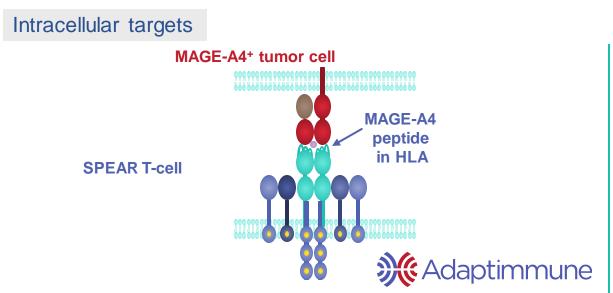


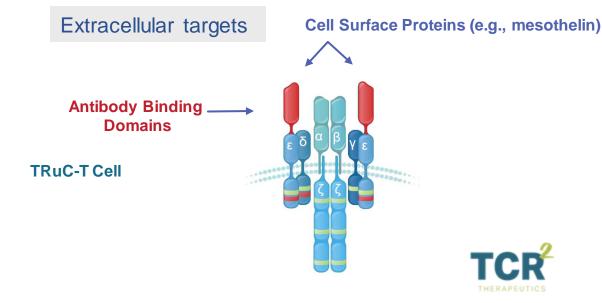


Complementary platforms drive broad access to solid tumors



Clinically validated cell therapies in solid tumors all utilize the full TCR complex





SPEAR T-cell Platform proprietary engineered TCR targeting MAGE-A4

Optimized affinity TCRs and next-gen modifications

TRuC® Platform (T-Cell Receptor Fusion Constructs) targeting MSLN

Single-domain antibody, fused to the CD3-epsilon leveraging endogenous TCR signalling





Clinical programs have potential to reach >300,000 patients



Two clinical and two preclinical pipeline targets cover a broad range of solid tumors

MAGE-A4

Pursuing:

Synovial Sarcoma

(BLA submission complete mid-2023)

Head & Neck (H&N)

(Expansion Ph 1 cohort initiating)

Urothelial

(Expansion Ph 1 cohort initiating)

Ovarian

(Ph 2)

PRAME

Expression in:

Breast, Non-Small Cell Lung Cancer (NSCLC), Kidney, Gastroesophageal, Melanoma, Endometrial, Ovarian, H&N

Clinical Pipeline



Preclinical Pipeline

MSLN (Mesothelin)

Pursuing:

Ovarian

(Ph 2)

Potential in:

Mesothelioma

(Ph 1 and 2)

Pancreatic

(Ph 1)

Colorectal

(Ph 1)

CD70

Expression in:

Renal Cell Carcinoma (RCC); Acute Myeloid Leukemia (AML)





Deep pipeline of opportunities with two clinical franchises



PROGRAM		TRIAL NAME(S)/ INDICATION(S)/DESIGN	IND-ENABLING	PHASE 1	PHASE 2/3
afami-cel MAGE-A4	%	SPEARHEAD-1 pivotal trial Synovial Sarcoma			
ADD		SURPASS Ph 1 signal finding trial Endometrial, Ovarian, Esophageal, EGJ, Gastric, Melanoma, NSCLC, H&N, Urothelial Two arms: Monotherapy; +/- checkpoint inhibitor			
ADP- A2M4CD8* MAGE-A4	%	SURPASS Ph 1 (new cohorts) Head & Neck; Urothelial Combo in earlier line therapy +/- checkpoint inhibitor			
		SURPASS-3 Ovarian Monotherapy; +/- checkpoint inhibitor			
gavo-cel MSLN (mesothelin)	TCR	Ovarian + checkpoint inhibitor Malignant Pleural/Peritoneal Mesothelioma (MPM) +/- checkpoint inhibitors			
TC-510 MSLN	TCR	PD-1:CD28 Switch Ovarian, MPM, Pancreatic, Colorectal, Triple Negative Breast Cancer (TNBC)			
PRAME (pre-clinical)	%	Indications TBD			
TC-520/CD70 (pre-clinical)	TCR	Indications TBD			



Compelling efficacy across MAGE-A4 and mesothelin franchises





MAGE-A4



~39% ORR in synovial sarcoma

- Median Duration 50.3 weeks
- Potential to be 1st new drug approved for synovial sarcoma in more than 10 years



37% ORR across all indications; 52% ORR across ovarian, urothelial and H&N

- Ovarian: 1 confirmed CR and 5 confirmed PRs; ORR 43% (6/14)
- Urothelial:1 confirmed CR and 3 confirmed PRs; ORR 57% (4/7)
- H&N: Deep antitumor responses; 3/4 confirmed PRs



Mesothelin



22% ORR all three indications; **29% ORR in ovarian**

- Tumor Regression in 93% of heavily pretreated patients
- Ovarian: 2 PRs; 6/7 Tumor Regression; PFS: 5.8 months; OS: 8.1 months
- MPM: 5 PRs, 1 CR, PFS: 5.6 months
- OS: 11.2 months



Preclinical superiority in tumors with high PD-L1 expression

- Enhances efficacy (vs. gavo-cel) in preclinical models
- First readout from Ph 1 across multiple indications expected end of 2023

Afami-cel and ADP-A2M4CD8: reported adverse events (AEs) are consistent with those experienced by people with cancer undergoing chemotherapy, immuno-oncology therapy and/or adoptive cell therapy. Gavo-cel: manageable safety profile and reversible AEs; Most frequent Grade ≥ 3 AE: CRS in 15% of patients.





Funded to deliver on multiple value creating catalysts



	2023	2024
afami-c	• BLA submission completion (synovial sarcoma). Expected mid-year	Potential afami-cel PDUFA/FDA approval; if approved would be the first marketed engineered TCR T-cell therapy for a solid tumor indication
ADP- A2M4CI	,	 1st readout from SURPASS-3 trial in ovarian cancer 1st readout from H&N SURPASS Ph 1 cohort 1st readout for urothelial Ph SURPASS 1 cohort
gavo-c	 1st readout from the Ph 2 portion of trial for platinum resistant or refractory ovarian cancer. Expected end of year Interim update, including key translational data, with mesothelioma patients treated early in the Ph 2 clinical trial. Expected mid-year 	Readout from Ph 2 trial for ovarian cancer
TC-51	1st readout from Ph 1 trial (ovarian, malignant pleural mesothelioma (MPM), pancreatic, colorectal, or triple negative breast cancer (TNBC). Expected end of year	Readout from Ph 1 trial and dose finding results
Preclinio Prograr	PRAME IND-ready	TC-520/CD70 IND-ready





Innovative toolbox to improve depth and durability of responses



Next-generation platform approaches



Persistence, trafficking T-cell effectiveness

- CD8
- Checkpoint inhibitors
- IL15
- IL7 + CCL19*



Overcoming tumor microenvironment

- PD-1 switch
- Checkpoint inhibitors
- dnTGFbeta
- SiP and TiP technology**



Multi-targeting and platform approaches

- Overlapping target screening (e.g., MAGE-A4, MSLN and PRAME in ovarian cancer)
- Dual targeting
- Allogeneic platforms





Company combines specialized cell therapy capabilities for success



Unique class of medicines



Combined company capabilities:

- Wholly focused on cell therapies for solid tumors
- Experienced teams
- 7 programs taken into clinic -5 ongoing, 1st BLA initiated
- Designed and built from ground up as dedicated cell therapy company
- End-to-end from discovery to delivery

US Philadelphia, PA and Cambridge, MA



- TRuC research
- Autologous cell manufacturing
- Clinical development
- Translational sciences







UK **Oxford and Stevenage**

- TCR and allogeneic research
- Vector manufacturing
- Allogeneic manufacturing



capabilities







Combined company will have extended runway into 2026*









Strong balance sheet extending the runway into 2026 to finance multiple catalysts*



Strategic combination creates a preeminent cell therapy company











Solid tumors represent ~90% of all cancers

Potential products in indications for MAGE-A4 and mesothelin

New targets: PRAME and CD70;
Next-gen toolbox

Experienced teams successfully advancing and manufacturing T-cell therapies

Significant operational benefits





Appendix





Advanced autologous engineered TCR program targeting MAGE-A4

Validated target with annual mortality of >82,000¹ patients (US and EU) with MAGE-A4+ tumors

- Clinically validated "clean" target;
 member of cancer testis antigen family
- Expression across broad range of solid tumors confirmed by screening protocol
- In early- and late-phase clinical trials with acceptable safety profile, to date, and responses in multiple solid tumor indications

- Expression levels ranging from ~15% to ~70% across tumors
- Encouraging responses in:
 - Synovial sarcoma
 - Ovarian
 - Head & neck
 - Bladder
 - Gastroesophageal

- NSCLCsquamous
- Melanoma
- MRCLS

MAGE-A4 target for both first-gen afami-cel and next-gen (ADP-A2M4CD8) programs

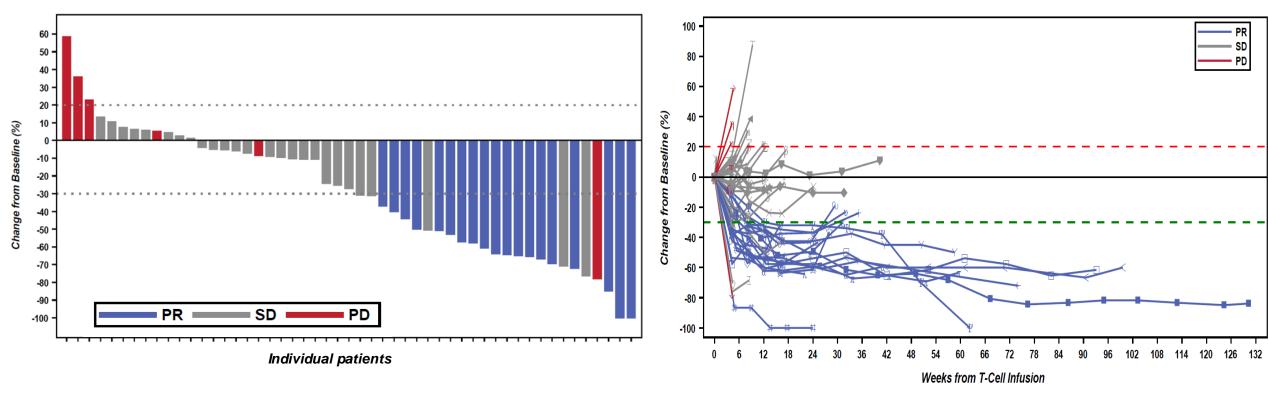


^{1.} Mortality figures based on American Cancer Society 2022 (US) and Global Can (EU4/UK 2020)





Afami-cel in Synovial Sarcoma - Response rate 38.6%, Duration 50 weeks



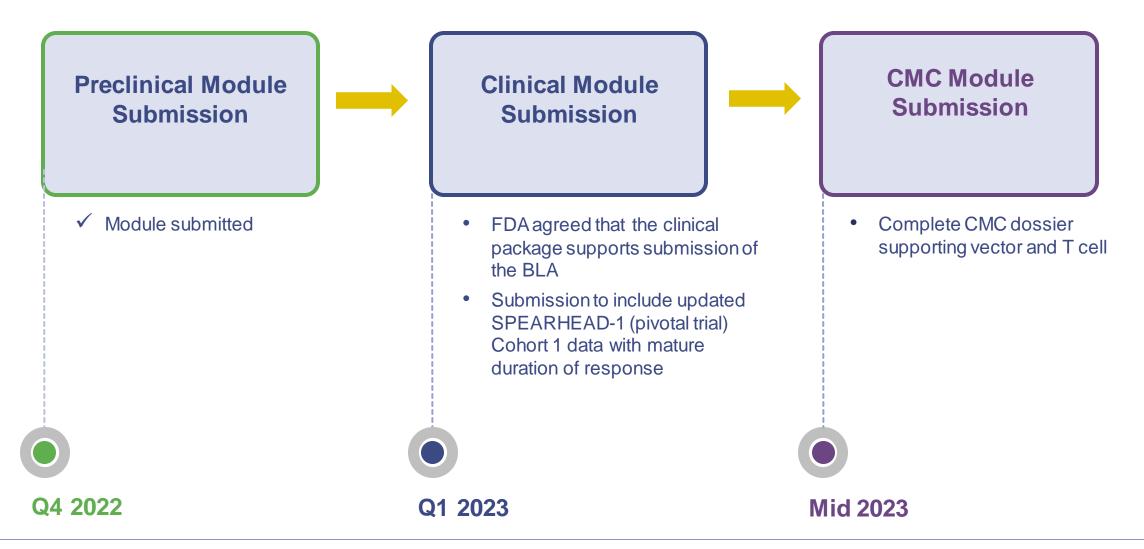


- · afami-cel is efficacious in heavily pre-treated patients with synovial sarcoma
- Median duration of response in synovial sarcoma: 50.3 weeks (range: 11.7–122.0+)
- 8 responses ongoing as of data cut-off





Rolling BLA submission to be completed by mid-2023



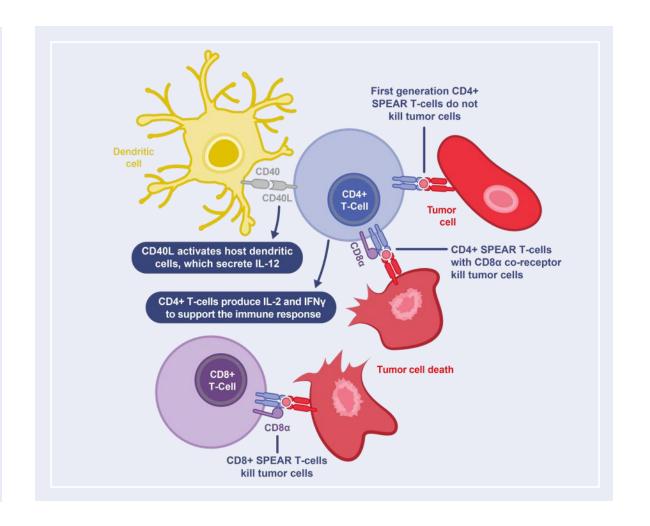




ADP-A2M4CD8 – SURPASS family of trials

Next-gen product targeting MAGE-A4 designed to be more potent

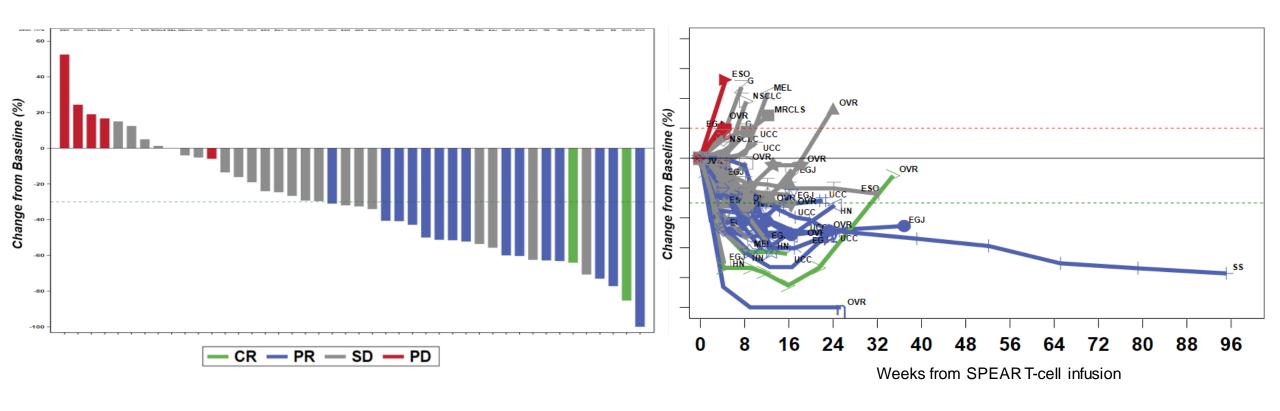
- ✓ Same MAGE-A4 targeted TCR as afami-cel with the addition of CD8α co-receptor
- ✓ Designed to be more potent and to more effectively engage the broader immune system compared to first-gen
- ✓ Single dose of cells
- ✓ Based on results to date, focusing on ovarian, urothelial and H&N cancers
 - ✓ ORR of 52% across the three tumor types
 - √ ~ 15,000 eligible patients per year (with these three tumors) in the US and EU expressing MAGE-A4 and HLA-A2*







Results consistent: 37% response rate in SURPASS Ph 1 trial



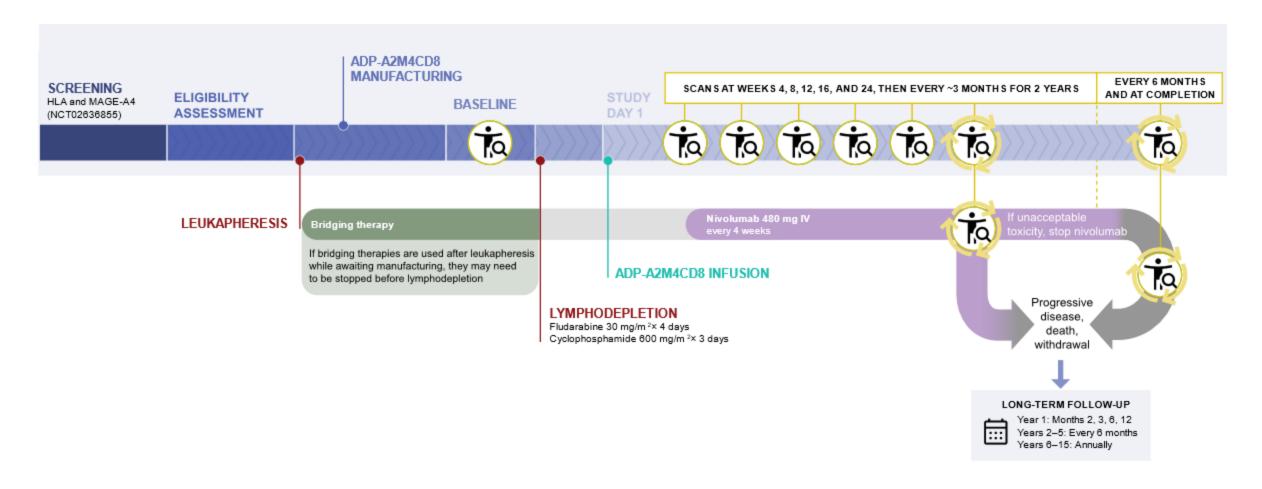
- 52% response rate in focus areas of ovarian, urothelial, and head & neck cancers (13/25)
- 75% response rate in focus areas of ovarian, urothelial, and head & neck cancers in patients with 3 or fewer prior lines of therapy (9/12)





SURPASS Phase 1 (NCT04044859): ADP-A2M4CD8 TCR T-cell therapy as monotherapy or in combination with nivolumab

Focus on patients with urothelial carcinoma, head and neck carcinoma, ovarian carcinoma

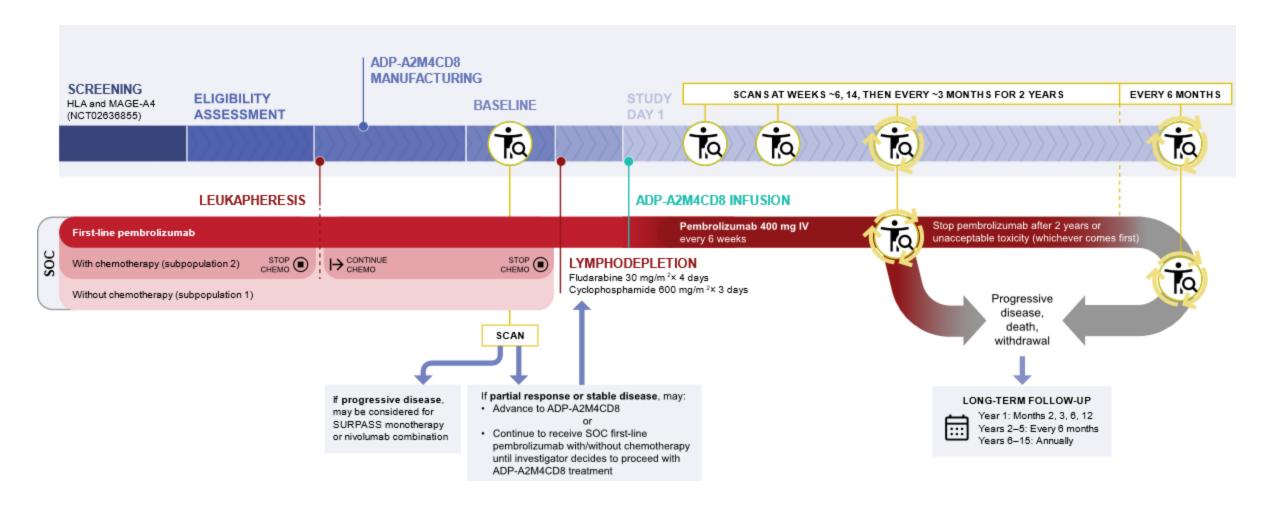






SURPASS Phase 1 (NCT04044859) new H&N cohort: First-line ADP-A2M4CD8 TCR T-cell therapy in combination with pembrolizumab

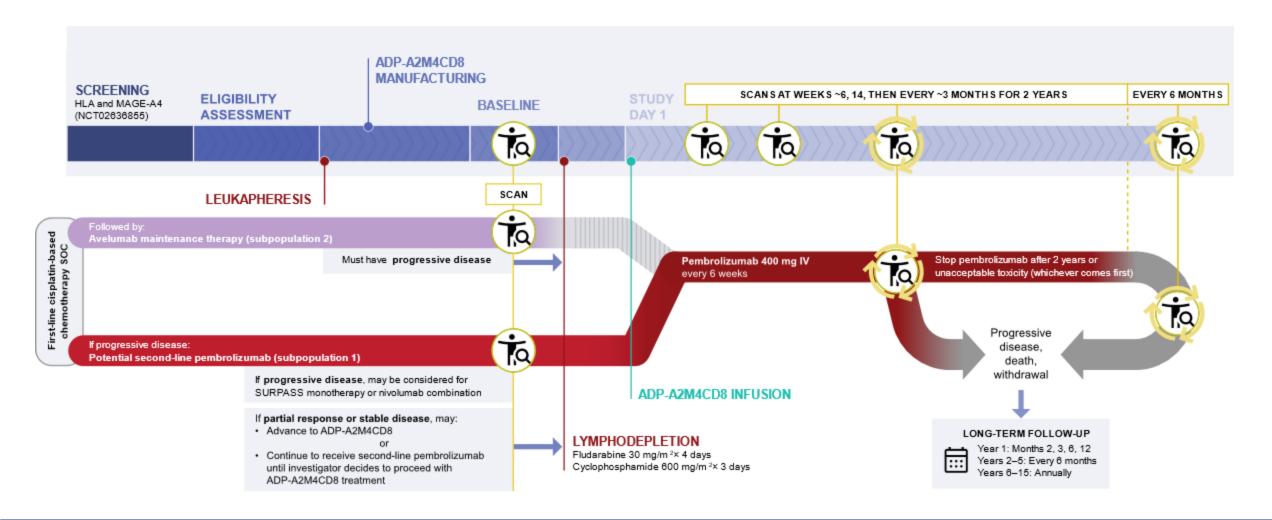
In patients with unresectable locally advanced or newly metastatic H&N tumors with CPS≥1





SURPASS Phase 1 (NCT04044859) new urothelial cohort: Second-line ADP-A2M4CD8 TCR T-cell therapy in combination with pembrolizumab following first-line cisplatin-based chemotherapy

In patients with unresectable, locally advanced, or newly metastatic urothelial tumors

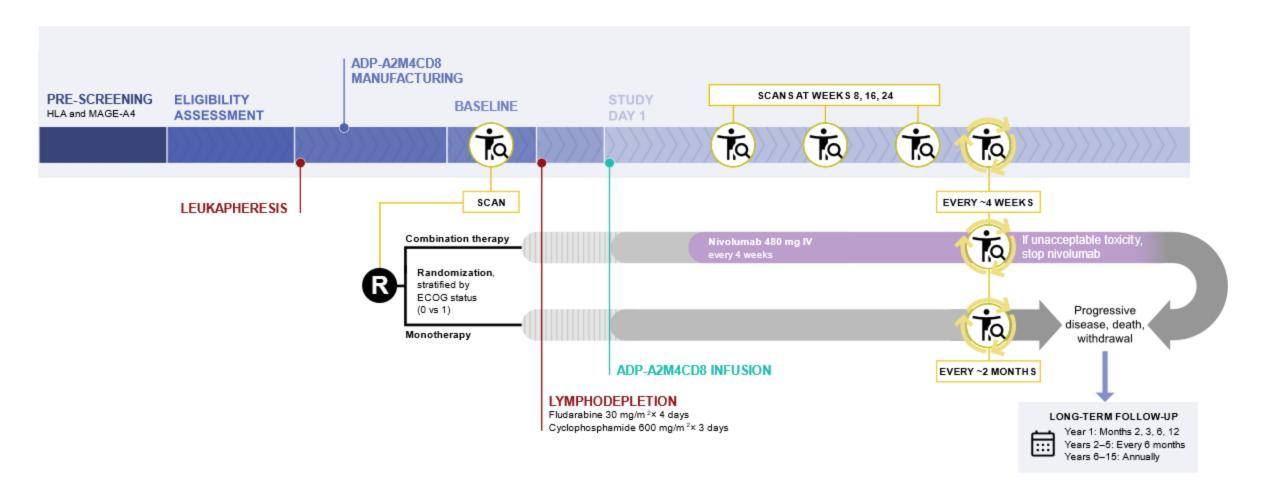






SURPASS-3 Phase 2 (NCT05601752): Randomized ADP-A2M4CD8 TCR T-cell therapy alone or in combination with nivolumab

In patients with recurrent ovarian carcinoma









Phase 2 autologous engineered TRuC program targeting Mesothelin

Validated target with annual mortality of ~215,000 patients* across multiple target indications

- Mesothelin (MSLN) is a highly expressed surface protein antigen expressed across a broad range of solid tumors
- Unique characteristics of TRuC program support treatment of patients with tumors expressing MSLN, no limitations by HLA subtype
- TRuC cells are engineered for fast and efficient efficacy, migration and durable responses

- Expression levels ranging from ~20% to ~76%² across tumors including:
 - ~ 58% of Ovarian cancer patients
- Others include:
 - Pancreatic
 - Triple Negative Breast (TNBC)
 - Colorectal
 - Mesothelioma
 - NSCLC
 - Cholangiocarcinoma

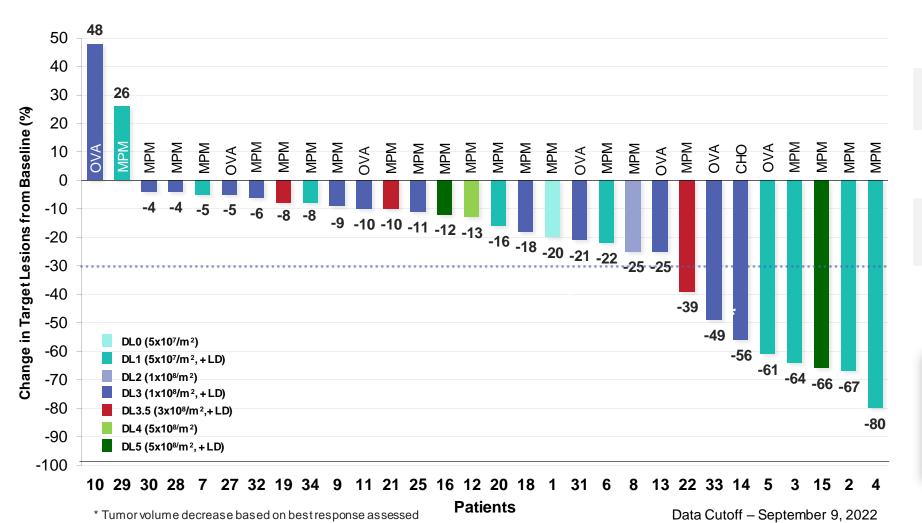
Mesothelin is target for both first-gen gavo-cel and next-gen (TC-510) programs





Consistent tumor regression in patients with gavo-cel

Tumor Regression in 93% of Patients, Disease Control Rate 77%



Blinded Independent Central Review

	All	gavo-cel + LD
ORR	20%	22%
MPM ORR	18%	21%
Ovarian ORR	29%	29%

DCR = PR or SD lasting at least 3 months

Ovarian Cancer Results

ORR: 29% (gavo-cel + LD)

PFS: 5.8 months

OS: 8.1 months

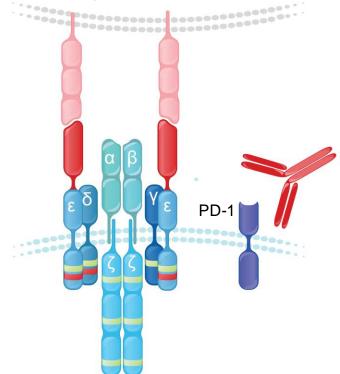




Improving gavo-cel efficacy: combination with anti-PD1 and next-gen enhancements (TC-510)

gavo-cel + anti-PD1

Re-invigorate TRuC-T cells

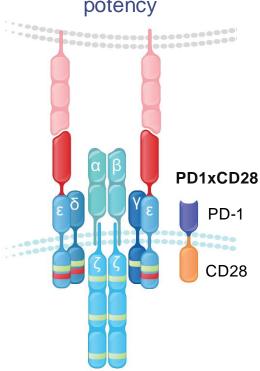


Ph 2 trial in combination with nivolumab in ovarian cancer and mesothelioma with opportunity for redosing with cells

TC-510 = gavo-cel plus PD1xCD28 switch in dose escalating in Ph1 studies in multiple indications

PD1xCD28 Switch

Maintenance of T cell potency



- Enhances T cell activity in tumor microenvironment
- Delays T cell exhaustion

Enhances gavo-cel and TILs in the tumor microenvironment









Preclinical autologous engineered TCR program targeting PRAME

Validated target with annual mortality of >160,000¹ patients (US and EU) with PRAME+ tumors

- Clinically validated "clean" target; member of cancer testis antigen family
- Unique opportunity in a broader range of tumors than other targets
- First-gen in preclinical development to be IND-ready in 2023
- Considering next-gen approaches and potential synergy with MAGE-A4

- Highly expressed across a broad range of solid tumors including:
 - Breast
 - NSCLC
 - Kidney
 - Gastroesophageal

- Melanoma
- Endometrial
- Ovarian
- Head & neck





TC-520 targeting CD70: Next-gen approach to attractive target

- ✓ Versatile target expressed in:
 - hematological malignancies: acute myeloid leukemia (AML), lymphoma
 - solid tumors: renal cell carcinoma (RCC),
- ✓ Expression in normal cells limited to a subset of activated T-cells, B-cells and dendritic cells
- ✓ Path to first-in-class autologous CD70 cell therapy with membrane bound IL-15 to enhance persistence
- Clinically validated target: POC demonstrated in AML with αCD70 mAb in AML (argenx)

