

ASX: ALA

Arovella Therapeutics Limited
ACN 090 987 250

**ASX Release**

12 August 2026

INVESTOR WEBINAR

Arovella Therapeutics Ltd (ASX: ALA), a clinical-stage biotechnology company developing an “off-the-shelf” invariant Natural Killer T (iNKT) cell therapy platform, will today host an investor webinar for shareholders and interested parties.

The webinar will provide an update following the Board of Directors’ recent strategic review of the Company, including its priorities for advancing Arovella’s iNKT cell therapy platform, the near-term clinical development of ALA-101 and the Company’s broader opportunity to build shareholder value via pipeline expansion into solid tumour and autoimmune disease indications.

The presentation will be delivered by Chairman, Dr David Williams, and Acting CEO, Dr Nicole van der Weerden, and will also cover progress toward the Company’s Phase 1 first-in-human trial of ALA-101, which is expected to dose the first patient in September 2026. An updated corporate presentation is attached to this announcement, and the webinar will present a shortened version of that presentation.

Details of the investor webinar are below:

Time: 2:00 PM (AEST)

Date: 12 August 2026

Registration: [Click here to register](#)

A recording will be made available via Arovella’s website and social media channels following the event. Thank you to Bell Potter for hosting the webinar.

Release authorised by Arovella Limited Board of Directors.

FURTHER INFORMATION

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**NOTES TO EDITORS:****About Arovella Therapeutics Ltd**

Arovella Therapeutics Ltd (ASX: ALA) is focused on developing its invariant natural killer T (iNKT) cell therapy platform licensed from Imperial College London to treat blood cancers, solid tumours, and autoimmune disease. Arovella's lead product is ALA-101. ALA-101 consists of CAR19-iNKT cells that have been modified to produce a Chimeric Antigen Receptor (CAR) that targets CD19. CD19 is an antigen found on the surface of numerous cancer types. iNKT cells also contain an invariant T cell receptor (iTCR) that targets glycolipid bound CD1d, another antigen found on the surface of several cancer types. ALA-101 has had its Investigational New Drug application (IND) accepted by the US FDA and is being developed as an allogeneic cell therapy, which means it can be given from a healthy donor to a patient. Arovella is also expanding into solid tumour treatment through its CLDN18.2-targeting technology licensed from Sparx Group. Arovella will also incorporate its IL-12-TM technology into its solid tumour programs.

Glossary: **iNKT cell** – invariant Natural Killer T cells; **CAR** – Chimeric Antigen Receptor that can be introduced into immune cells to target cancer cells; **TCR** – T cell receptors are a group of proteins found on immune cells that recognise fragments of antigens as peptides bound to MHC complexes; **B-cell lymphoma** – A type of cancer that forms in B cells (a type of immune system cell); **CD1d** – Cluster of differentiation 1, which is expressed on some immune cells and cancer cells; **aGalCer** – alpha-galactosylceramide is a specific ligand for human and mouse natural killer T cells. It is a synthetic glycolipid.

For more information, visit www.arovella.com

ASX:ALA



Investor webinar

12 August 2026

Disclaimer

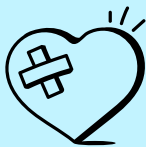
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Cell Therapy has revolutionised blood cancer treatment

CAR-T therapies have demonstrated curative potential in blood cancers



The CAR-T market is expected to reach **\$15.2 billion** by 2035¹

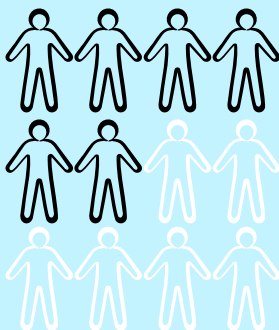


Cure

CAR-T cells have demonstrated ability to cure haematological cancers



Strong Sales



40-60%

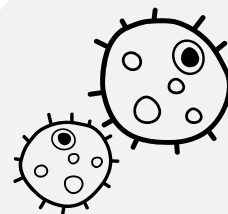
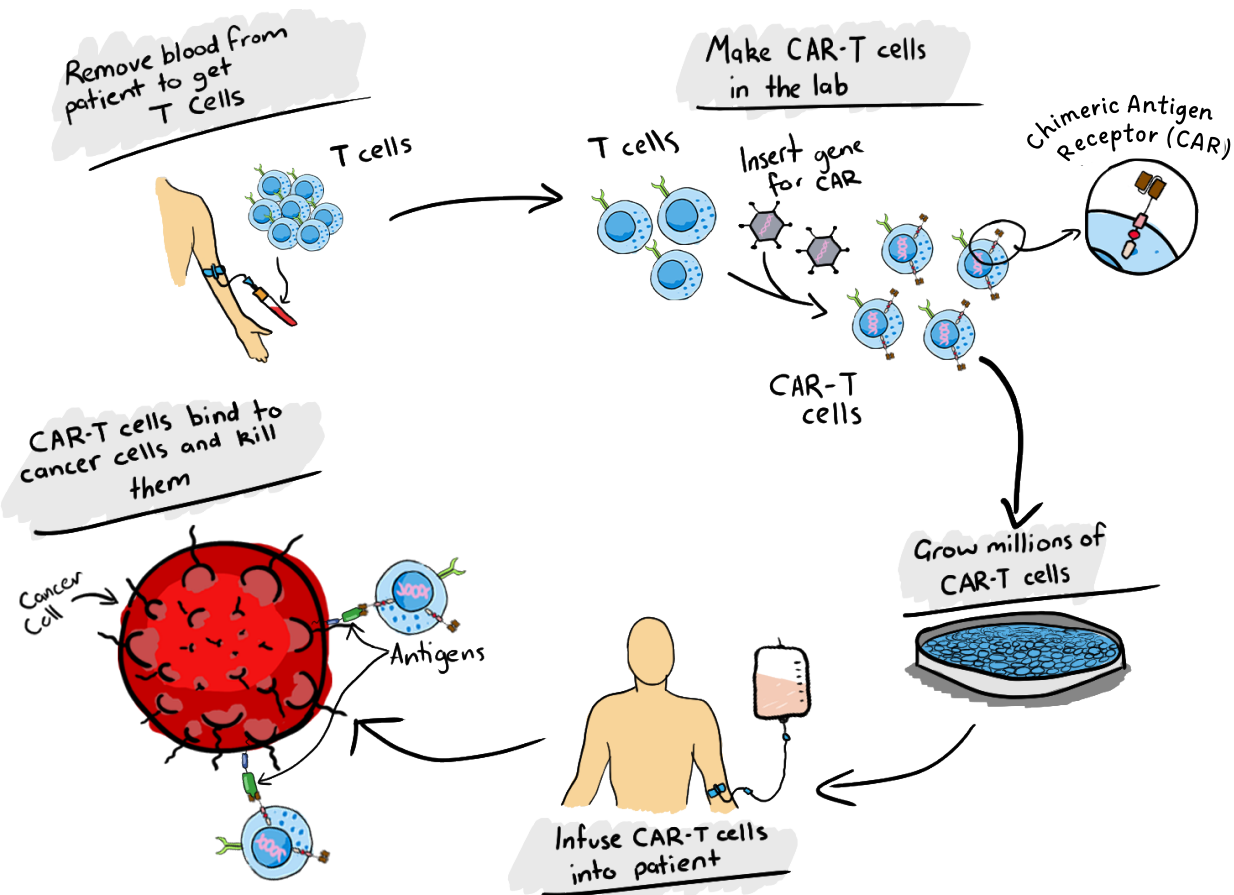
Patients relapse post-CAR-T therapy²

Product	Approval Year	2025 Revenue
 CARVYKTI (ciltacabtagene autoleucel) Suspension for IV infusion	2022	US\$1.9 bil ³
 YESCARTA (axicabtagene ciloleucel) Suspension for IV infusion	2017	US\$1.5 bil ⁴
 Breyanzi (lisocabtagene maraleucel) SUSPENSION FOR IV INFUSION	2021	US\$1.36 bil ⁵



How traditional CAR-T cell therapies work

Effective, but patient-specific, time-intensive and operationally complex



T cells = immune cell

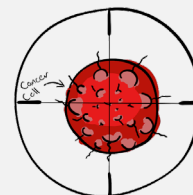
T cells are a common type of immune cell that fight infections and can help fight cancer.



T cells from patient 'reprogrammed'

Collect patient T cells → engineer the cells → expand and test → return cells to the patient.

Process can take 3-4 weeks with a high cost per batch.

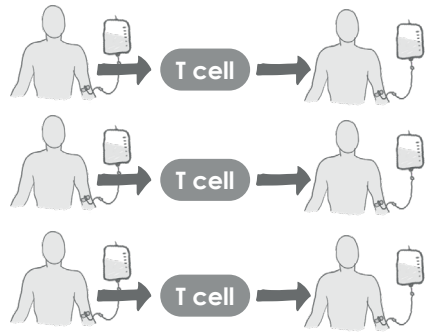


CAR-T cells find & kill tumour cells

CAR-T cells are administered to the patient to find and kill the cancer cells.

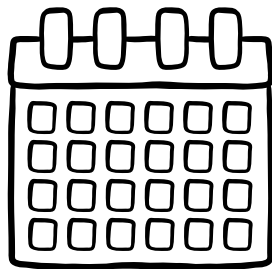
CAR-T technology challenges

Only treats the patient who supplied the T cells



Each manufacturing batch is **patient-specific**

Patient must wait **3-4 weeks** for therapy



Manufacturing & supply chain costs high, failures can occur



T cells can be compromised by disease

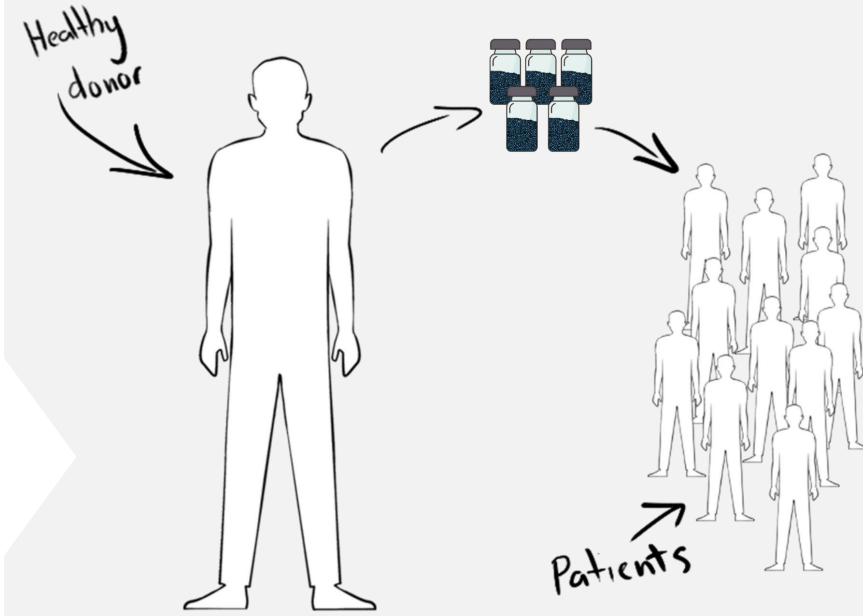


Limited centres can collect and manufacture



Time is an issue for patients with aggressive disease

ALA's off-the-shelf solution:



One CAR-iNKT batch **treats multiple patients**



1 week

Patients ready to dose within 1 week



Why invest in Arovella

CAR-iNKT platform designed to support multiple future therapies

Structurally differentiated next-generation cell therapy



Near-term clinical validation

- FDA IND accepted
- Phase 1 expected to start Sep 2026
- Preliminary data expected early CY27



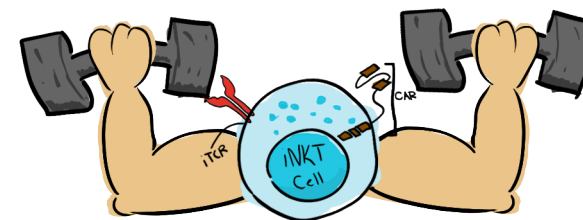
Platform scalability

- Off-the-shelf manufacturing
- Healthy donor starting material
- Multiple doses per batch reduces cost



Pipeline expansion

- Blood cancers
- Solid tumours
- Autoimmune disease



Arovella is not one product — building a platform that could support multiple future therapies.

Strong Leadership Team

SENIOR MANAGEMENT TEAM



Dr Nicole van der Weerden
ACTING CHIEF EXECUTIVE OFFICER

Drug development, regulatory, governance



Dr Robson Dossa
VP MANUFACTURING & QUALITY

Cell therapy manufacturing and CMC



Dr Michelle Ferguson
SENIOR DIRECTOR RESEARCH & DEVELOPMENT

Translational research and platform expansion



Jacqueline Cumming
SENIOR DIRECTOR CLINICAL DEVELOPMENT

International multi-centre trial delivery

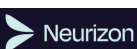
KEY STRENGTHS

BOARD OF DIRECTORS



David Williams
CHAIR

Capital markets and governance



Dr Michael Thurn
DIRECTOR

Clinical and regulatory strategy



Mark Diamond
DIRECTOR

Commercialisation and partnering

Highlights for CY26

Arovella's lead, ALA-101, advancing to clinical trials for blood cancers

Cash and cash equivalents
at 30 June, 2026

**\$14.4
million**

Expected to fund:

- preliminary ALA-101 clinical safety and efficacy data
- advancing ALA-105 towards the clinic



US FDA accepted Investigational New Drug application for phase 1 first-in-human trial of ALA-101 in blood cancers



Ethics approval to commence the phase 1 trial for ALA-101 at key Australian clinical sites, with first patient dose expected Sept 2026



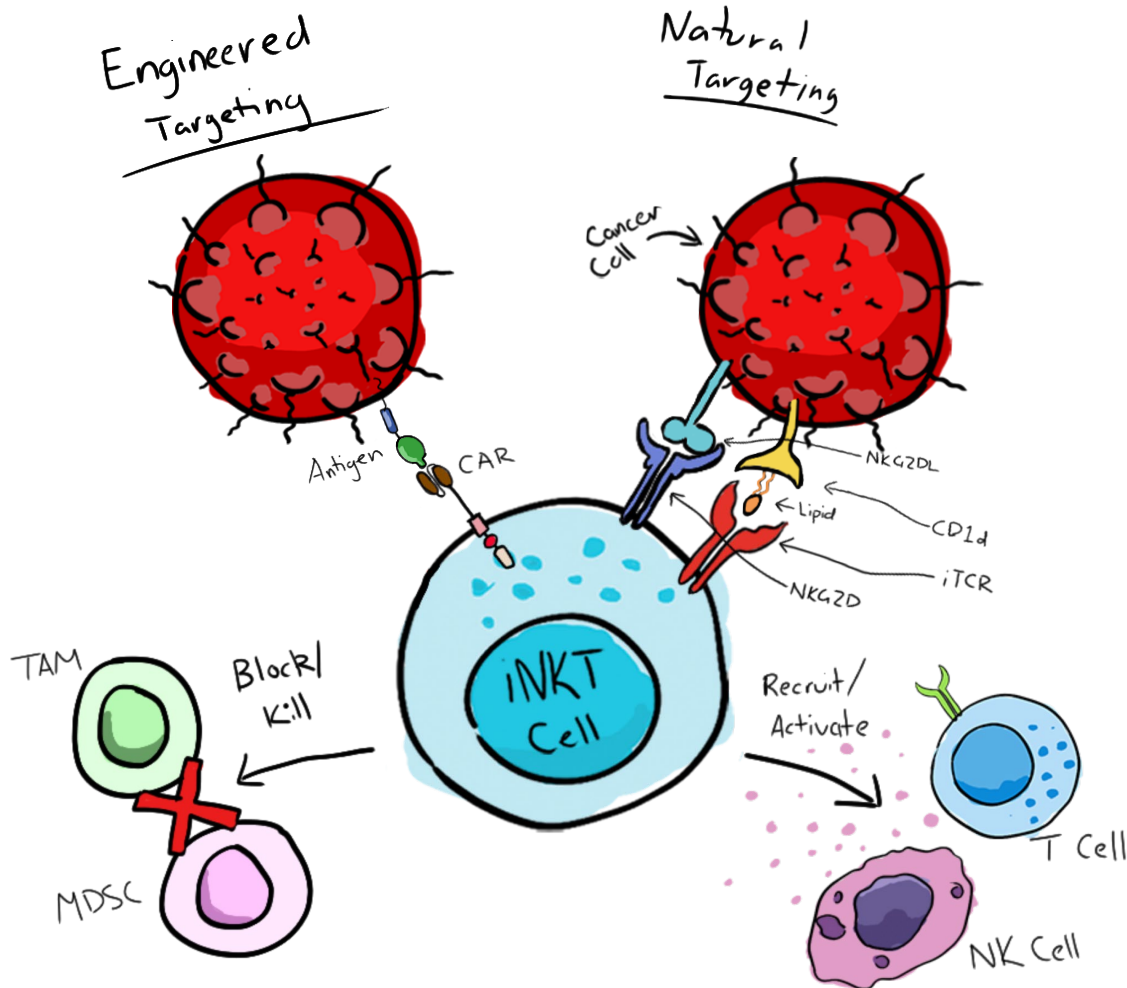
Manufactured first clinical batch of ALA-101, with release testing currently underway



Generated compelling preclinical data for Arovella's first armoured solid tumour CAR-iNKT product, ALA-105, targeting gastric and pancreatic cancers

CAR-iNKT cells – a differentiated immune cell

Unique biology with potential to overcome core limitations of CAR-T



Multiple ways to attack tumours

1

ALLOGENEIC WITHOUT GENE EDITING

Off-the-shelf solution; no gene editing required (preserves cell fitness)

2

MULTIPLE WAYS TO KILL CANCER CELLS

Reduces the likelihood of antigen escape; potential for better efficacy

3

INFILTRATE TUMOURS

Potential for better efficacy than CAR-T for solid tumours

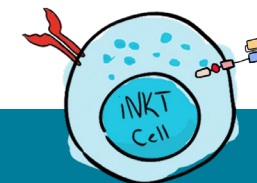
4

MODULATE THE TME AND IMMUNE SYSTEM

Shape the tumour microenvironment to block and kill pro tumour cells; secrete signalling molecules to activate other immune cells

Overcoming limitations of existing cell therapies

CAR-iNKT cells are uniquely positioned for cell therapy applications

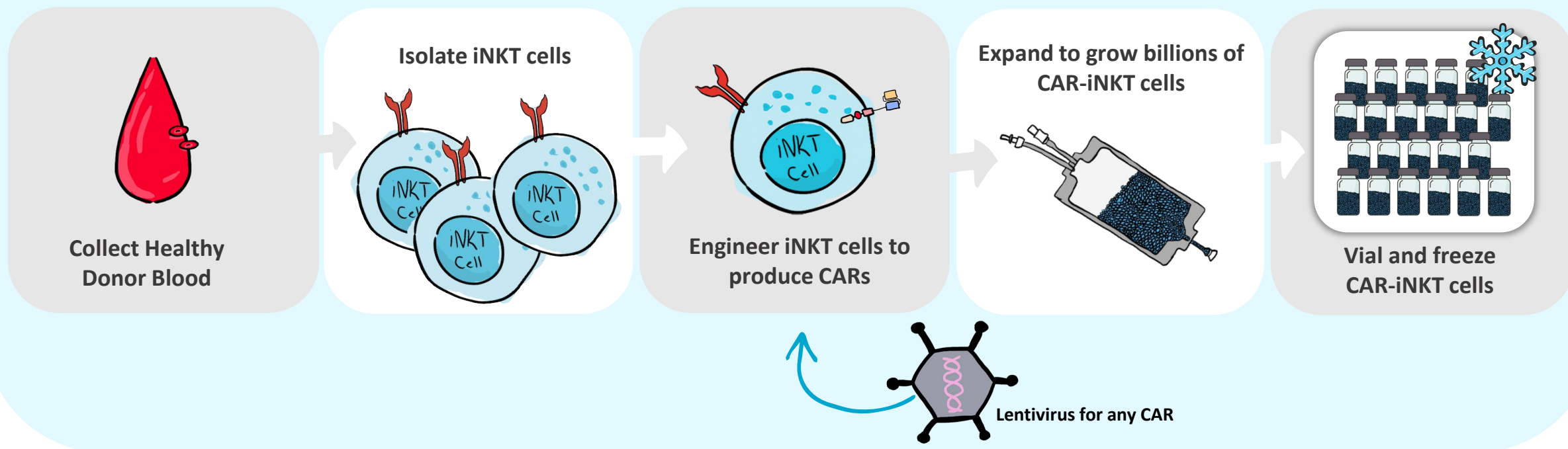


Modality	Key Limitations	Arovella CAR-iNKT Advantage
Autologous CAR-T	- Relies on fitness of patient's own T cells - Complex, costly manufacturing - Limited efficacy in solid tumours	- Healthy donor cells with better fitness - Off-the-shelf supply with lower cost of goods - iNKT cells penetrate tumours and modify the tumour microenvironment
Allogeneic CAR-T (T cells)	- GvHD risk requires complex genome editing - Single targeting mechanism - Demonstrated limited efficacy in solid tumours	Allogeneic without the need for genome editing Multiple targeting mechanisms Better infiltration into solid tumours
CAR-NK	- Limited persistence and expansion - Limited efficacy in clinical trials	- Combines NK + T cell features - Combines innate speed with adaptive durability
In vivo CAR-T	- Early-stage; safety profile not yet clear - Relies on fitness of patient's own T cells - Limited ability for genome editing to improve efficacy	- Does not rely on fitness of patient's own T cells - Leverages the unique biology of iNKT cells Controlled product with defined release criteria
iPSC-derived	- Manufacturing complexity and inconsistency - Reduced functional diversity	Natural immune development and cell function

World-class CAR-iNKT manufacturing platform

Semi-automated process suitable for large-scale and late-phase clinical development

Arovella Manufacturing Platform



Arovella believes it has one of the most advanced donor-derived CAR-iNKT development programs*, with an FDA-accepted IND

One platform: three value-creation pathways

Value creation via three workstreams



Core platform: healthy-donor iNKT cells + modular CAR backbone + scalable manufacturing



Blood cancer validation -> solid-tumour expansion -> autoimmunity expansion

1

CD19+ blood cancers (ALA-101)

- CD19 is a validated target for blood cancers
- Proves safety, dosing & persistence of CAR-iNKT cells
- Creates regulatory & CMC precedent
- Generates B cell depletion data

2

CLDN18.2+ solid tumours (ALA-105)

- Gastric first; pancreatic later
- Tests iNKT solid-tumour biology
- Leverages armouring technology
- Supports expansion to future solid tumour CAR targets

3

CD19+ autoimmune disease (ALA-101)

- Leverages B cell depletion data from ALA-101 phase 1 trial
- Indications prioritized based on emerging CAR-T clinical data

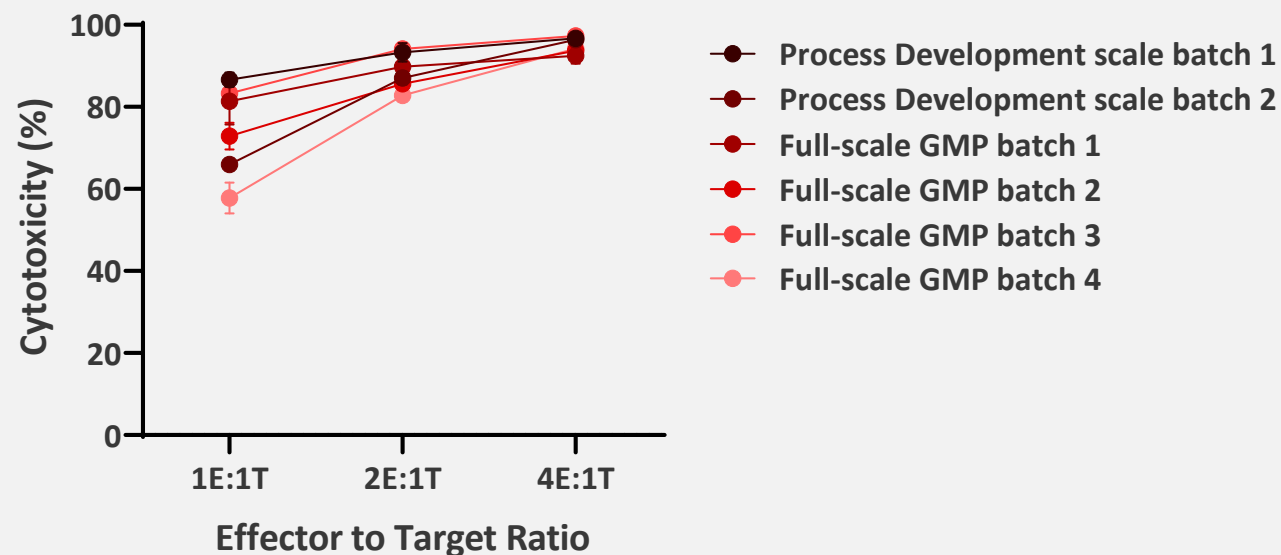
Manufacturing process highly reproducible

Consistently produces highly potent drug product

Robust CAR-iNKT manufacturing platform delivers consistent and highly potent drug product

Six development batches manufactured from four donors showed consistent potency in a Raji cytotoxicity assay.

Killing of CD19+ Tumour Cells



CD19 CAR-iNKT cell effectors : Raji Burkitt's lymphoma target cells

Killing of CD19-positive tumour cells by six different batches of ALA-101 drug product from four unique donors

ALA-101 Manufacturing Platform

Batches consistently meet pre-specified release specifications

>80

Clinical doses per batch

at the planned starting dose*



>99%

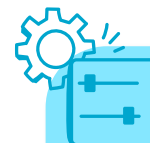
iNKT Purity

99.6% mean (range 99.2–100.0%)

~23
days

Manufacturing duration

from donor cells to cryopreserved drug product



>60
months

Stability

Expected based on data from existing cryopreserved cell products

>96%

Post-thaw cell viability

96.8% mean (range 96.0–98.0%)



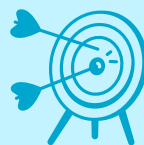
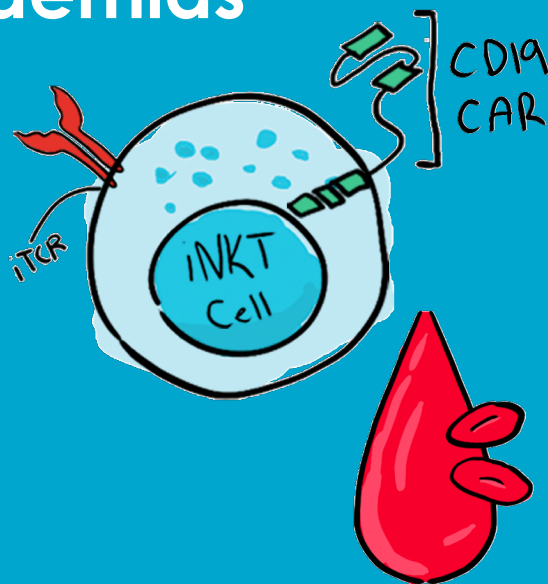
ALA-101 (CD19 CAR-iNKT)

A next generation **off-the-shelf**
cell therapy for CD19
expressing cancers

ALA-101: an off-the-shelf solution for CD19+ blood cancers

Phase 1 first-in-human study expected to commence next month

FDA IND accepted for CD19+ lymphomas and leukaemias



Validated target with potential for indication expansion

Possibility to expand into autoimmunity if phase 1 trial supports B cell depletion



Addresses key CAR-T challenges

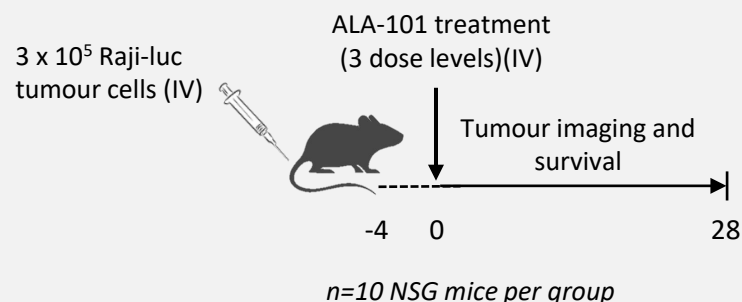
- **Safety** - Low risk of GvHD; properties of iNKT cells may decrease toxicity
- **Scalability and cost** - Allogeneic, off-the-shelf manufacturing produces multiple doses/batch
- **Patient access** – Potential for improved safety may allow for outpatient administration
- **Healthier starting material** – Avoids T cell dysfunction and exhaustion seen in heavily pre-treated patients

Potent activity in aggressive tumour model

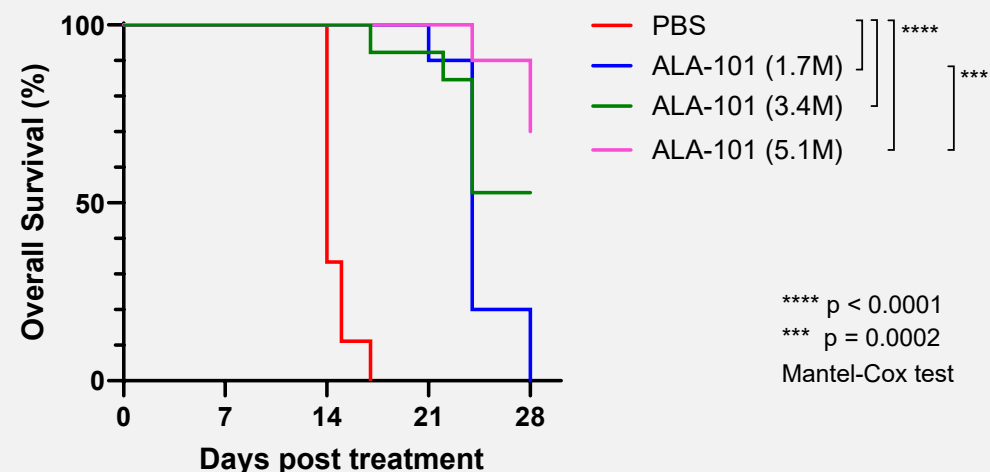
Significantly enhances survival and reduces tumour burden

ALA-101 demonstrates robust dose-dependent activity in an aggressive systemic model of lymphoma

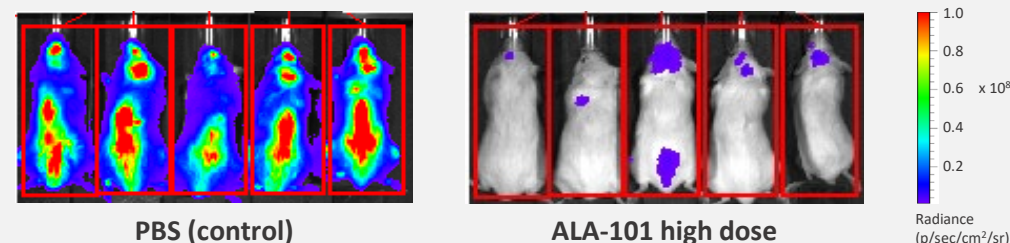
In vivo activity confirmed for multiple batches of ALA-101



Survival of ALA-101-treated mice in Raji lymphoma anti-tumour efficacy model

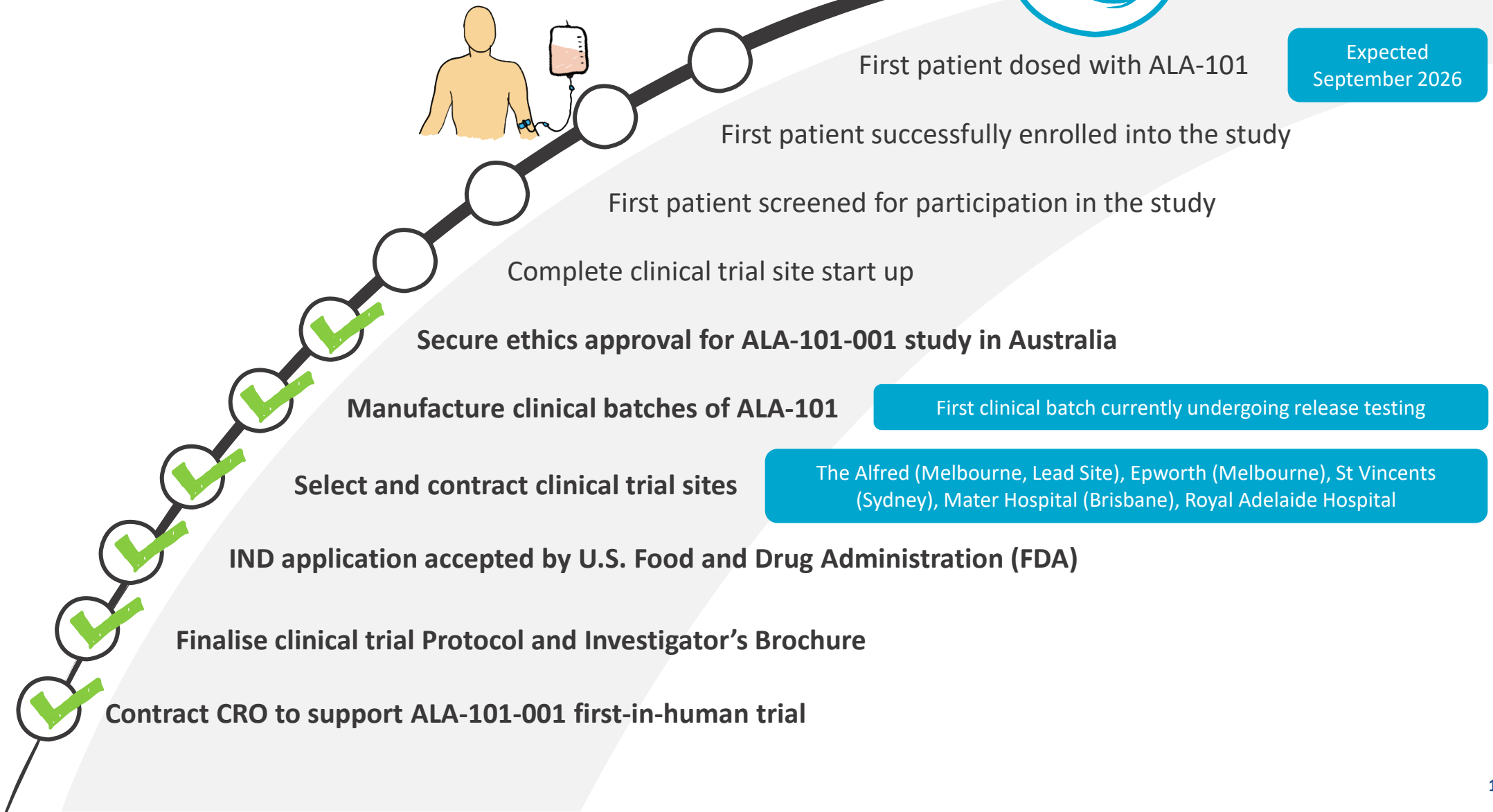


Representative bioluminescent imaging of tumour cells at Day 14



Taking ALA-101 into first-in-human trials

ALA is progressing towards its ALA-101-001 phase 1 study



ALA-101-001 Phase 1 study; Blood Cancer

Study population ▶ Adults with relapsed/refractory CD19-positive B cell cancers ▶ **NHL (DLBCL • FL • MZL • MCL) Leukaemia (CLL • HCL)**

Patient journey

1. Screening

Confirm eligibility, disease status + baseline samples

2. Lymphodepletion

Conditioning chemotherapy prepares immune space

3. ALA-101 infusion

Single dose of healthy donor CD19 CAR-iNKT cells

4. On-study follow-up

Safety, response + biology through Month 24

5. Long-term follow-up

Continued monitoring after end-of-study visit

Study design: dose escalation with backfill / expansion

Dose escalation

Up to 4 dose levels;
~13–21 participants

Backfill / expansion

Further efficacy + biology
Up to 25 additional participants

≤46 total

Planned participants

DLT review Safety + tolerability

Backfill can occur in multiple dose levels to better assess dose-response

Goal: Identify a recommended Phase 2 dose based on safety, pharmacology, expansion, persistence and preliminary efficacy

Outcome measures

If successful, ALA-101 could demonstrate:

- ✓ CAR-iNKT cells are safe in humans
- ✓ Donor-derived CAR-iNKT cells can expand and persist
- ✓ CD19-expressing blood cancers can be controlled
- ✓ ALA-101 can deplete B cells

Study results inform development of Arovella's future products

CD19 blood cancers

Defines dose, safety profile and first efficacy signals for next-stage of development.

Solid tumours

Informs persistence, trafficking, immune activation and resistance biology for future CAR-iNKT targets.

Autoimmunity

Builds data on B cell depletion, durability and donor compatibility for future autoimmune indications.

The autoimmune opportunity for ALA-101

CD19 cell therapy is emerging as a potential new approach to treat autoimmune disease

The problem

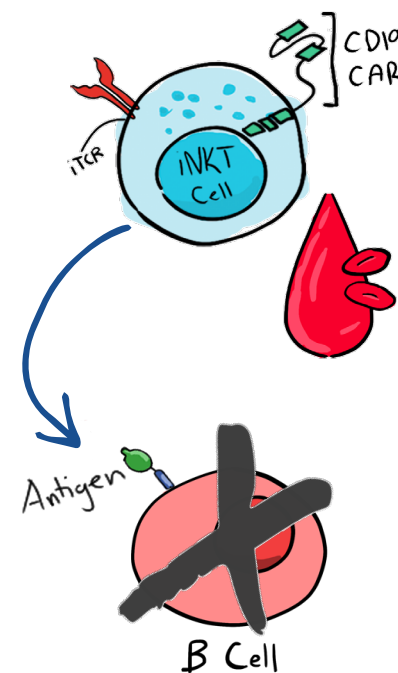
Serious autoimmune diseases such as lupus, myositis, stiff person syndrome, generalized myasthenia gravis, and systemic sclerosis, are driven by abnormal B cells and are typically managed with lifelong immune suppression rather than cured.

The breakthrough

Several clinical studies have demonstrated the ability of CD19-targeting CAR-T therapies that target B cells to produce meaningful clinical responses in patients with a range of severe and refractory autoimmune disorders and allow the discontinuation of immunosuppressive therapy.

Why it matters for Arovela

ALA-101 targets CD19. Arovela's SAPPHIRE phase 1 trial is designed to generate the B cell depletion, safety, persistence and durability data that may support the evaluation of ALA-101 in autoimmune disease.



ALA-101 clinical trial
in blood cancers



Proves safety, dosing,
persistence & B cell
depletion



Potential CD19 autoimmune
expansion using the same
product, target and
manufacturing process



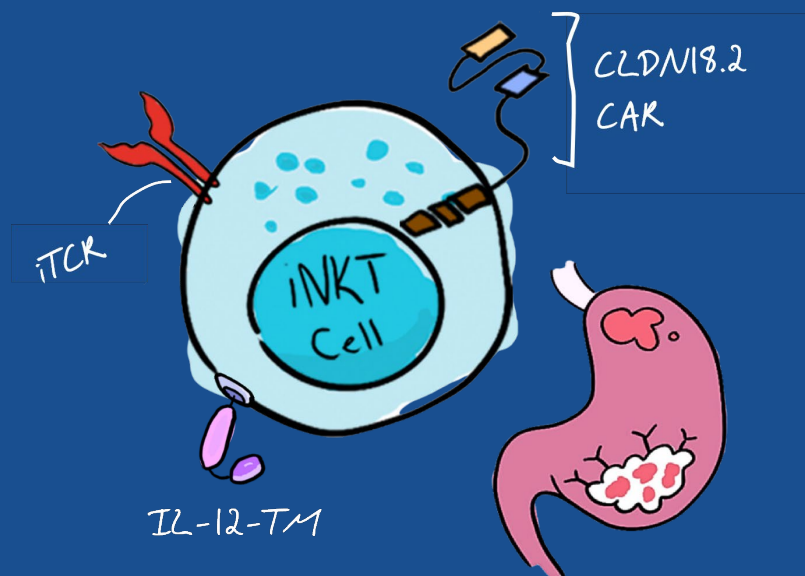
ALA-105 (CLDN18.2 CAR-iNKT)

A clinically validated target
that is expressed in several solid
tumour types

An off-the-shelf solution for solid tumours

With ALA's proprietary cytokine armouring

Novel, proprietary CLDN18.2-targeting CAR



Validated target with high unmet need

Potential to target a broad range of cancers



Addresses key CAR-T challenges

- **Efficacy** – iNKT cells:
 - naturally infiltrate tumours better than T cells⁶
 - kill pro-tumour cells and activate helpful immune cells⁷
 - also target NKG2D ligands on tumour cells⁸
- **Safety** – Low risk of GvHD; properties of iNKT cells may decrease toxicity
- **Scalability and cost** - Allogeneic, off-the-shelf manufacturing produces multiple doses/batch

Introducing Claudin 18.2 (CLDN18.2)

A promising solid tumour target

CLDN18.2 overexpression has been
**identified in several
types of cancers**

gastric cancer (GC)

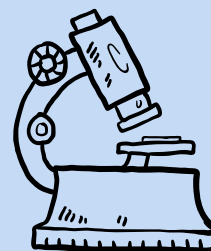
gastroesophageal junction cancer (GEJC)

pancreatic cancer (PC)

esophageal cancer (EC)

ovarian adenocarcinoma (OAC)

lung cancers (LC)



Validated target

First monoclonal antibody approved in 2024; **First CAR-T for solid tumours approved** in China in 2026

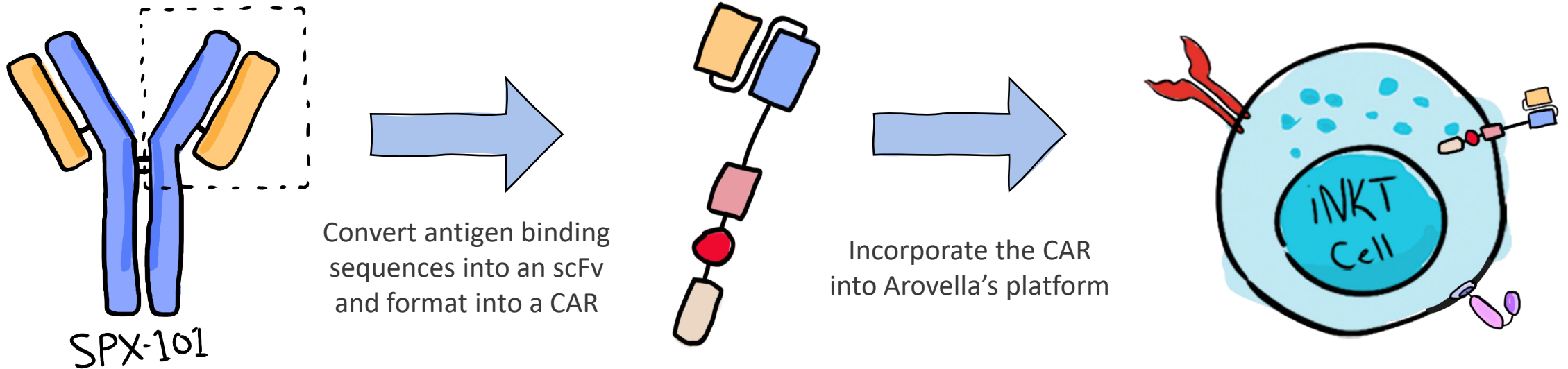


Gastric cancer

market alone expected to reach
\$10.7 billion by 2031⁹

Leverage an antibody to create a CLDN18.2-CAR

Sequence of SPX-101 used to create novel CAR



The CLDN18.2-binding domains of a monoclonal antibody (SPX-101) were used to create a CAR, which is incorporated into Arovella's iNKT cell platform to manufacture CAR-iNKT cells that target and kill CLDN18.2-expressing tumours



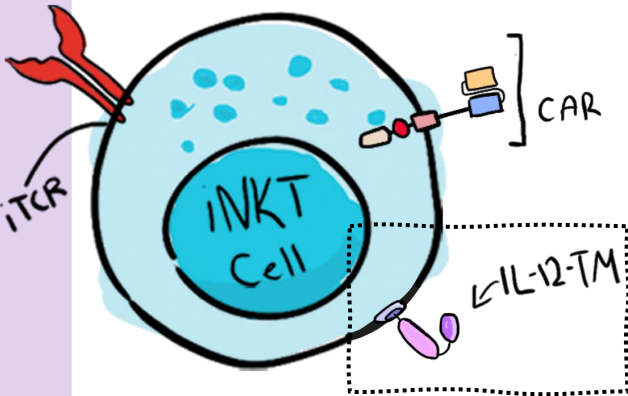
“Armouring” CAR-iNKT cells

IL-12-TM (cytokine technology) enhances CAR-iNKT cell activity in solid tumours

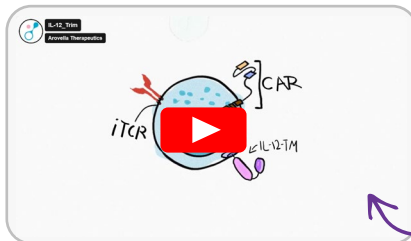
IL-12-TM

IL-12-TM is a modified version of IL-12

with a membrane anchor that links it to the surface of CAR-iNKT cells, preventing release into the blood stream for improved safety.



The IL-12-TM is incorporated into the lentiviral vector and **does not require changes to the manufacturing process**



Discover how our IL-12-TM cytokine technology works in our explainer whiteboard video.

iNKT cells + IL-12-TM

Expand more and survive for longer
than CAR-iNKT cells lacking the cytokine

10x more circulating CAR-iNKT cells
4 weeks after treatment in a mouse model

Superior antitumour activity
compared to CAR-iNKT cells lacking the cytokine

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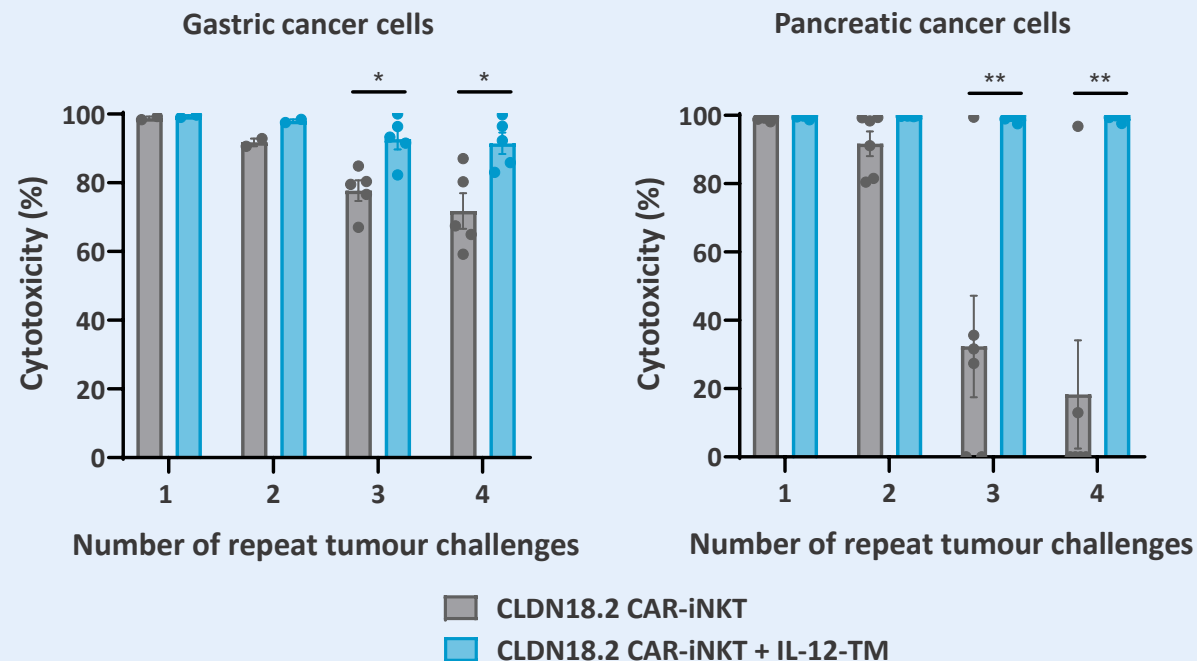
IL-12 reprograms CAR-expressing natural killer T cells to long-lived Th1-polarized cells with potent antitumor activity

Arovella's novel CLDN18.2-targeting CAR is highly active

Potent cytotoxicity in iNKT cells improved by armouring with IL-12-TM

- **CLDN18.2 CAR in iNKT cells**
 - Leads to **strong killing of tumour cells** after multiple rounds of re-challenge
- **IL-12-TM armouring**
 - Enhances killing, with armoured CAR-iNKT cells **eradicating tumour cells** even after four rounds of re-challenge

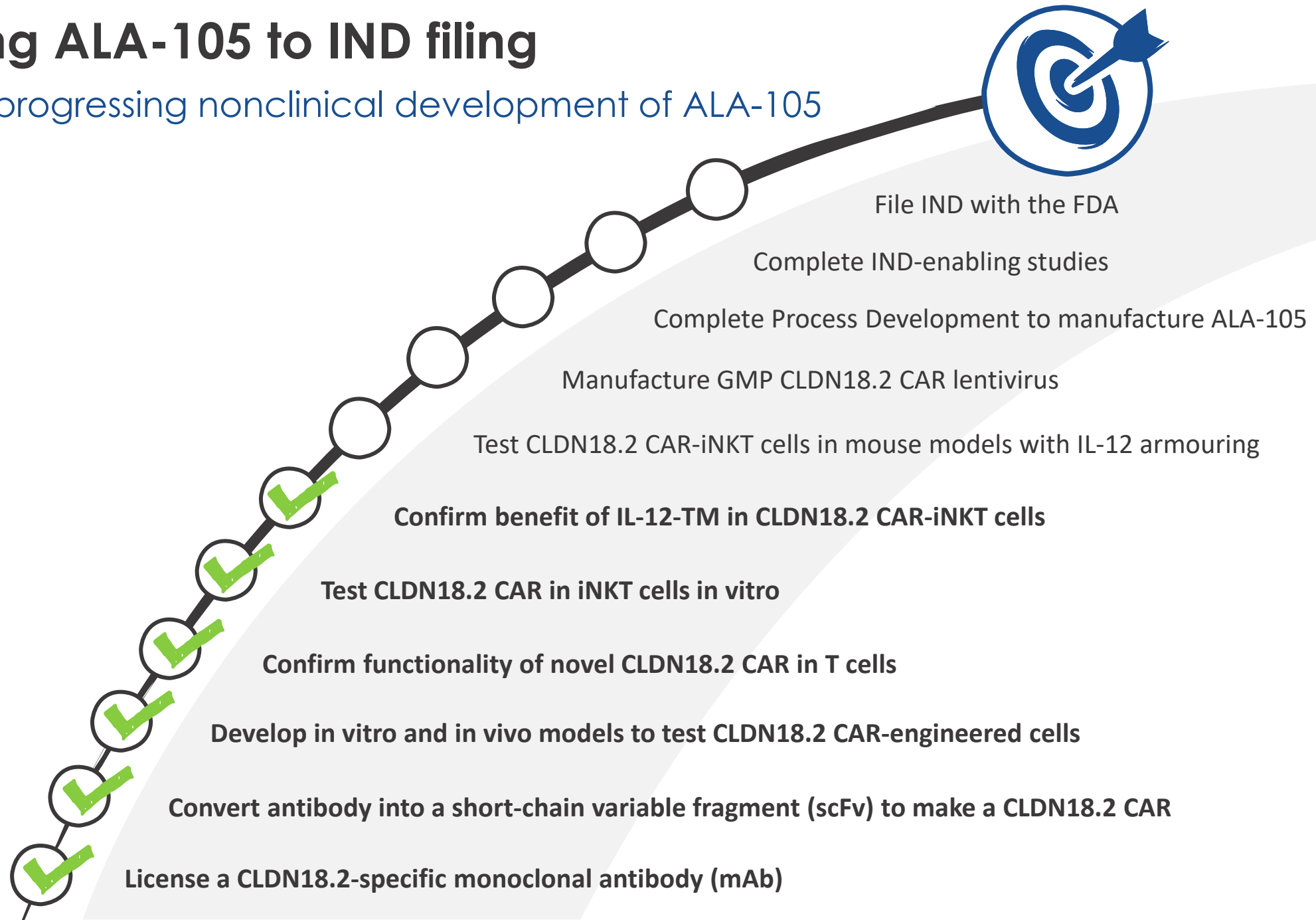
Killing of Gastric and Pancreatic Cancer



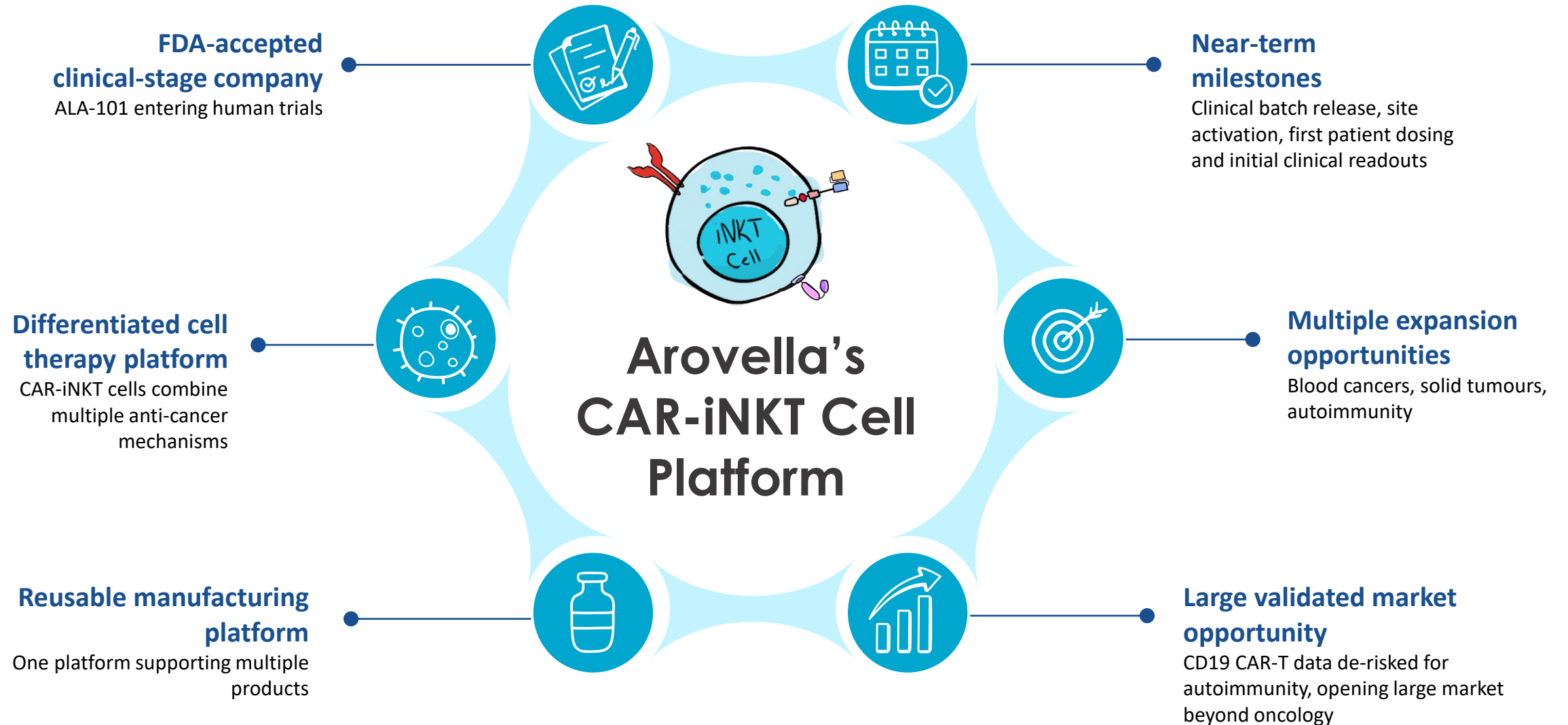
Killing of tumour cells by iNKT cells expressing Arovella's novel CLDN18.2-targeting CAR; with and without IL-12-TM armouring

Taking ALA-105 to IND filing

ALA is progressing nonclinical development of ALA-105



Summary



ASX:ALA



Thank You

Arovella Therapeutics

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Appendix - references



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