



ASX: ALA





**Strategic Collaboration** 

September 2022

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### Arovella Therapeutics Highlights



#### **World Leading Partners**

Arovella licenced its iNKT Cell Therapy
Platform from Imperial College London and its
DKK1 mAb/CAR from MD Anderson and is
collaborating with Imugene



#### Data Driven

Arovella uses data to drive decision making for its key assets and clinical indications



#### Allogeneic Platform, Two Targets

Arovella is developing off the shelf cell therapies for CD19 expressing lymphomas and solid tumours, and DKK1 producing cancers.



#### **World Class Team**

Arovella's leadership group has deep experience in drug development, particularly cell therapies



#### **Acquiring New Technologies**

Arovella continues to focus on sourcing, evaluating and acquiring innovative technologies that align with key focus areas



#### **Growth Potential**

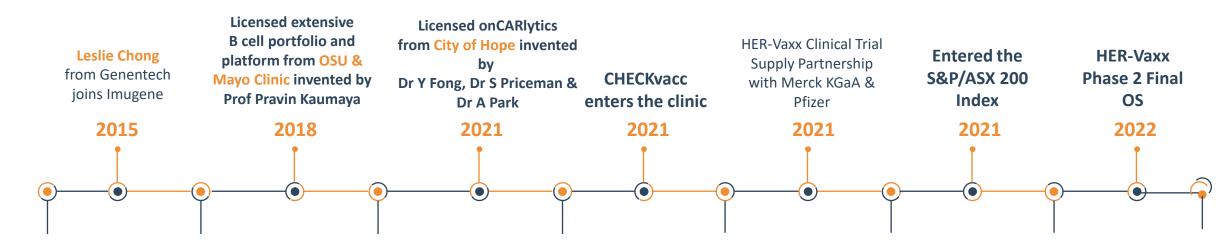
Arovella is the only ASX listed company working with an iNKT cell therapy platform and the only company worldwide with CAR technology targeting a DKK1 peptide



#### INTRODUCTION TO IMUGENE

Imugene is a biotech company headquartered in Australia and publicly traded on the Australian Securities Exchange (ASX:IMU)





Paul Hopper builds Imugene around technology originating from the Medical University of Vienna

2013

HER-Vaxx enters the clinic

2017

2019

Completed the acquisition of a prolific oncolytic virus from

City of Hope invented by Dr

Yuman Fong

2021

Strategic
Partnership with
Celularity

2021

Strategic
Partnership with
Eureka

2021

PD1-Vaxx Clinical Trial Supply Partnership with Roche 2022

VAXINIA enters the clinic

2022

Strategic Partnership with **Aroyella** 







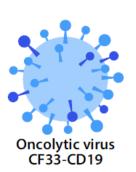
# CAR19-iNKT + CF33-CD19

An off-the-shelf cell therapy and oncolytic virus combination to mark and destroy solid tumours



# Combing CAR19-iNKT Cells and CF33-CD19 (onCARlytics)

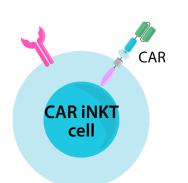
- CF33 is an oncolytic virus that targets tumour cells and not healthy cells
- The virus was developed at City of Hope by Professor Yuman Fong
- Dr Saul Priceman has engineered CF33 to induce CD19 production after tumour cells have been infected
- Phase 1 trials for CF33 commenced October 2021 with CHECKvacc and May 2022 with VAXINIA







- CAR19-iNKT cells are very potent and are rapidly activated to kill CD19 expressing cancer cells
- The product is being developed as an off-theshelf product for cancer treatment
- The platform was developed by Professor Tassos Karadimitris at Imperial College London

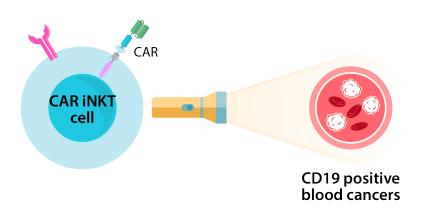




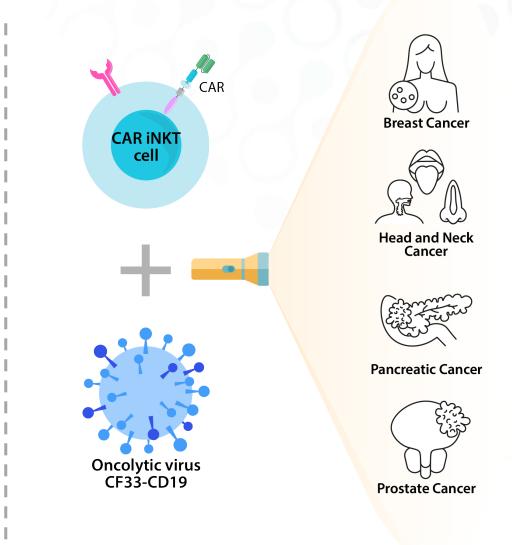
Imperial College London



# Expanding ALA-101's Utility

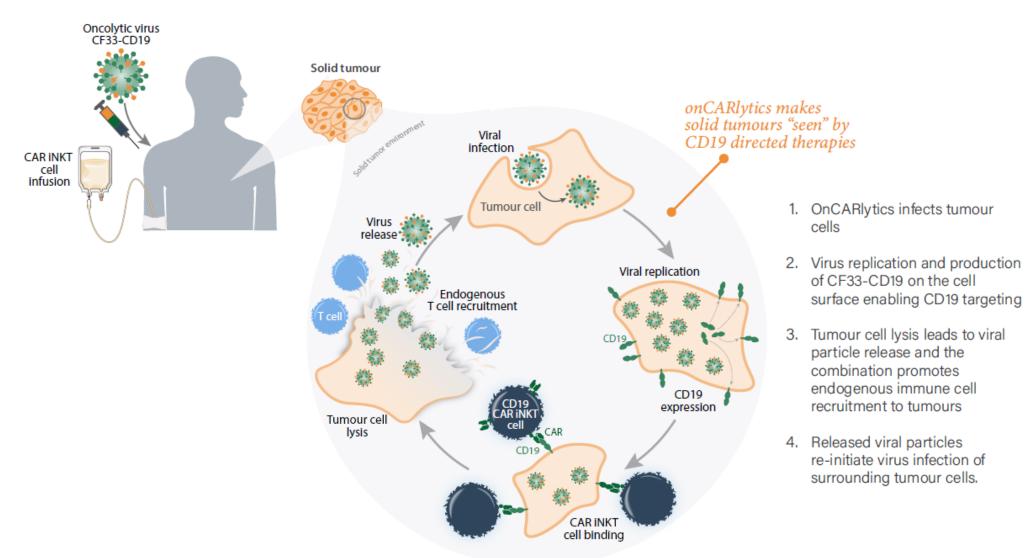


- We expect CAR19-iNKT cells to be effective against blood cancers that naturally produce CD19
- Combining CF33-CD19 with CAR19iNKT cells opens up the possibility of treating a range of solid tumours





### What is the Mechanism of Action?





# Arovella Therapeutics Cell Therapy Pipeline

Cell Therapy						
	INDICATION	DISCOVERY	PRECLINICAL	PHASE 1	PHASE2/3 <sup>1</sup>	PARTNER
ALA-101 (CAR19-iNKT)	CD19 expressing cancers	CD19 Expressing Lymphor	ma			
ALA-101 + CF33-CD19	Solid tumours	Solid Tumours				IMUGENE Developing Cancer Immunotherapies
ALA-104 (DKK1-CAR-iNKT)	Multiple Myeloma	Multiple Myeloma & Solic	d Tumours			



# ALA-101 + CF33-CD19 Upcoming Milestones

A	ctivity	Target Date
•	Finalise Agreement and Study Setup	Q4 2022
•	Complete <i>in vitro</i> (test tube) study to assess CAR19-iNKT cell activity against CD19 producing cancer cells	Q1 2023
•	Complete <i>in vivo</i> (mouse) studies to assess CAR19-iNKT cell activity against solid tumours in an animal model	Q2 2023
•	Complete the strategy for manufacturing, pre-clinical toxicology, and clinical Phase 1 study	Q3 2023
	Manufacturing for preclinical toxicology and Phase 1*	H1 2024
٠	FDA pre-IND meeting	H1 2024
•	GLP Toxicology study*	H1 2024
•	Regulatory clearance for Phase 1*	H1 2024
	1 <sup>st</sup> Patient dosed*	H2 2024

<sup>\*</sup>Dependent on the availability of suppliers and timing of previous milestones



### Arovella Company Overview

#### **Financial Snapshot**

ASX CODE	ALA
Market capitalisation <sup>1</sup>	\$18.1 million
Shares on issue	669.8 million
52-week low / high	\$0.020 / \$0.057
Cash (June 30 2022)	\$6.1 million

#### **Major Shareholders**

Shareholder	Ownership (%) <sup>2</sup>
THE TRUST COMPANY (AUSTRALIA) LTD	37,546,656 (5.68%)
MANN BEEF PTY LTD	20,000,000 (3.03%)
UBS NOMINEES PTY LTD	15,064,640 (2.28%)
ZERRIN INVESTMENTS PTY LTD	14,000,000 (2.12%)
DYLIDE PTY LTD	12,500,000 (1.89%)





<sup>2.</sup> As of 24 August 2022



# Upcoming Milestones FY23

A	ctivity for Arovella (now to June 2023)	Therapy	Complete (CY)
•	Strategic planning outcomes	Company Wide	Q4 2022
	Finalise CAR19-iNKT and onCARlytics Agreement and study setup	ALA-101/CF33-CD19	Q4 2022
-	Complete <i>in vitro</i> (test tube) study to assess CAR19-iNKT cell activity against CD19 producing solid cancer cells	ALA-101/CF33-CD19	Q1 2023
-	Complete <i>in vivo</i> (mouse) studies to assess CAR19-iNKT cell activity against solid tumours in an animal model	ALA-101/CF33-CD19	Q2 2023
	Complete target validation studies for DKK1-CAR-iNKT	ALA-104	Q1 2023
	Complete <i>in vitro</i> (test tube) and <i>in vivo</i> studies (mouse) for DKK1-CAR-iNKT against multiple myeloma and solid tumours	ALA-104	Q2 2023
•	Optimise CAR Candidate to complete IND enabling studies	ALA-104	Q2 2023
•	Complete process development and confirmation manufacturing runs for CAR19-CAR-iNKT	ALA-101	Q2 2023
•	Continued search for potential world class therapeutic assets focused on cancer treatment	Company Wide	Ongoing

**Company Wide** 

**ALA-101** 

ALA-101 + CF33-CD19

**ALA-104** 



## Cancer Continues to be a Major Health Issue



Worldwide, an estimated 19.3 million new cancer cases (18.1 million excluding non-melanoma skin cancer) occurred in 2020<sup>1</sup>



Cancer is a leading cause of death worldwide, accounting for nearly 10 million deaths in 2020<sup>2</sup>



The global cancer therapeutics market is expected to reach \$366 billion by 2030, from \$167 billion in 2021, growing at a CAGR of 9.1%<sup>3</sup>



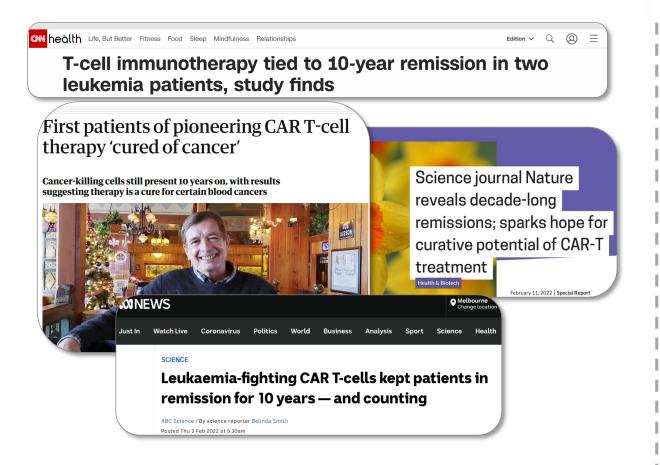
<sup>2.</sup> https://www.who.int/news-room/fact-sheets/detail/cancer

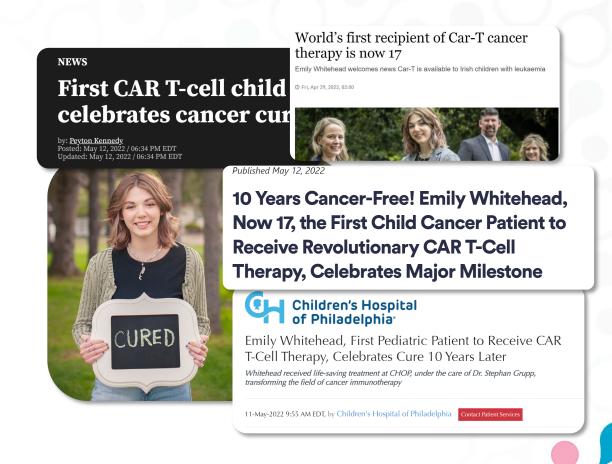


<sup>3.</sup> https://www.globenewswire.com/en/news-release/2022/04/04/2415940/0/en/Cancer-Therapeutics-Market-Size-to-Surpass-US-365-99-Bn-by-2030.html

### Cell Therapy Revolution to Treat Cancer

Recent Media Attention – Feb & May 2022







# iNKT Cell Therapy Platform

# Imperial College London



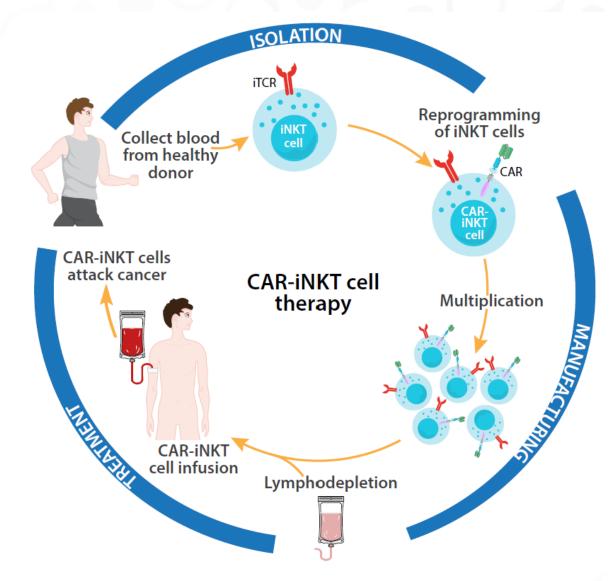
## CAR-<u>iNKT</u> Cell Therapy Production and Advantages

### **CAR-iNKT Production Steps**

- 1. Blood Collection and Immune Cell Harvesting
- 2. Isolation and Re-programming of iNKT Cells
- 3. Multiplication of Cells
- Cells are Administered to the Patient

#### **CAR-iNKT Cell Advantages**

- 1. Preclinical evidence demonstrates iNKT cells can suppress graft versus host disease (GVHD)
- 2. Can be used "off the shelf"
- 3. One of the most potent immune cells
- 4. Activation of other immune system components
- 5. For tumours that produce CD1d, data shows that they perform better than conventional T cells





# CAR-iNKT Cells are Engineered to Enhance Activity

	APPROVED CAR-T CELLS	CAR-NK CELLS	CAR-INKT CELLS
Subpopulation of T cells with NK cell properties	×	×	✓
Intrinsic anti-cancer receptor (dual targeting)	×	×	<b>√</b>
Naturally suppress GVHD	×	×	✓
Allogeneic, 'off-the-shelf' dosing	×	✓	✓
Low risk of CRS or neurotoxicity	×	✓	✓
Minimal genetic engineering for off the shelf	×	✓	✓
Persistence	✓	TBD	TBD <sup>1</sup>

CAR – Chimeric Antigen Receptor; iNKT – invariant Natural Killer T Cell; CRS – Cytokine Release Syndrome; TBD – To Be Determined 1. Spontaneous secondary remission observed in preclinical animal models

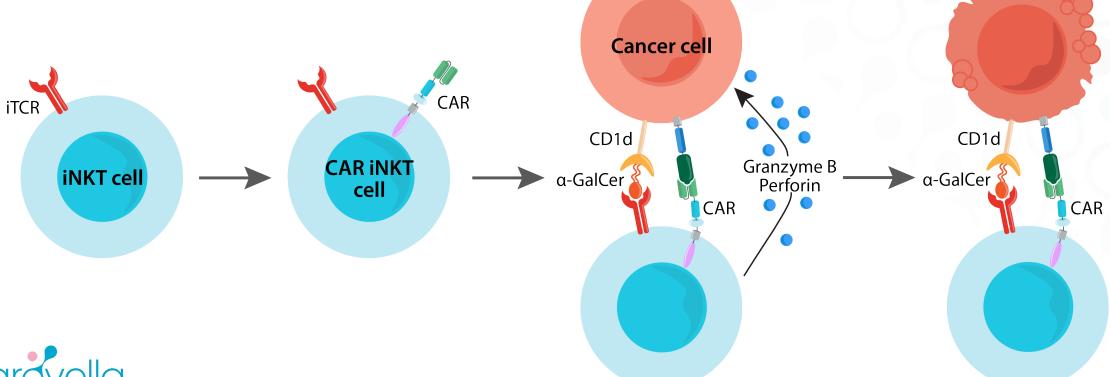


# How does the CAR-iNKT Cell Therapy Platform Work?

1. iNKT cells contain an iTCR that naturally assists to recognise and kill cancer cells that have CD1d on their surface

- 2. We introduce a chimeric antigen receptor (CAR) to target cancer cells, making them dual targeting
- 3. CAR-iNKT cells are activated after they attach to the cancer cells, releasing components to trigger cancer cell death

4. The cancer cell is killed, and other components are recruited to assist





# CAR19-iNKT (ALA-101)

An off-the-shelf cell therapy for CD19 expressing cancers

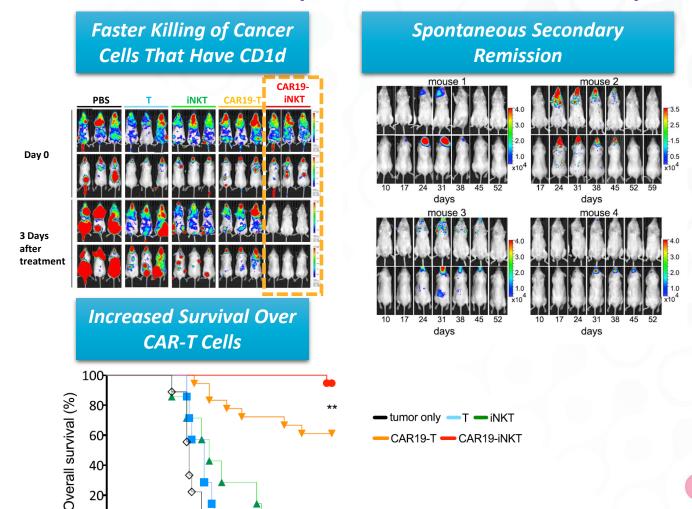


### ALA-101: CAR19-iNKT Cells to Treat Blood Cancers

- ALA-101 is anticipated to be an effective, off-the-shelf cell therapy for the treatment of CD19 expressing cancers
- Our data validates the use of iNKT cells as a treatment for CD19 expressing cancer types
- ALA-101 is more efficient at clearing tumour cells than conventional cell therapies when the cancers produce CD1d and CD19
- Our therapy results in better animal survival than conventional cell therapies
- Commenced the manufacturing of the plasmid and lentivirus in Q1 2022
- Q-Gen selected as cell therapy manufacturer



### **CAR19-iNKT Outperforms Conventional Therapies**



0 10 20 30 40 50 60 70 80 90

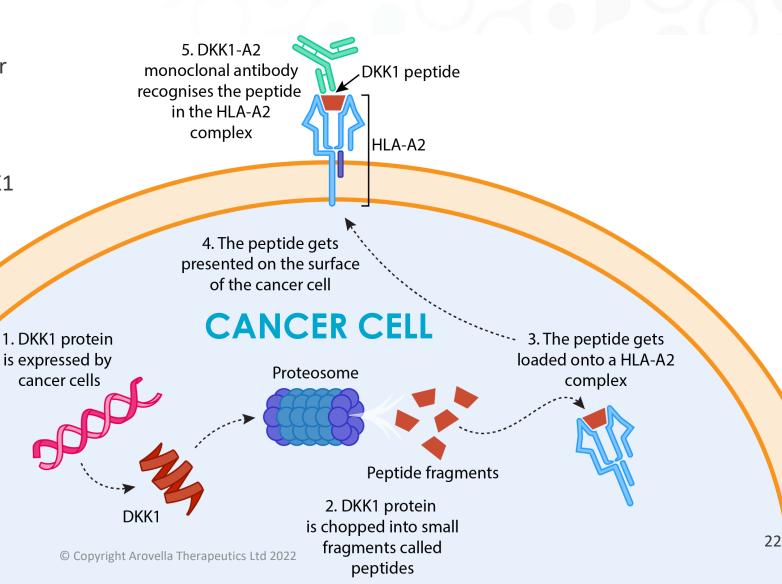
# DKK1-CAR-iNKT (ALA-104)

An off-the-shelf cell therapy for multiple myeloma (blood cancer) and potentially solid tumours



# A Novel Cancer Target - DKK1 Peptide (ALA-104)

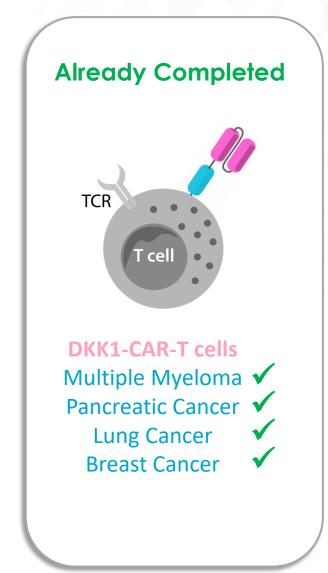
- DKK1 is a secreted protein that functions as a negative regulator of the WNT signaling pathway
- DKK1 is overproduced in numerous cancer types and DKK1 peptides are loaded onto immune complexes and presented at the surface of cancer cells
- Our DKK1 mAb/CAR targets a specific DKK1 peptide in an HLA-A2 complex
- ~40-50% of the population is HLA-A2 +ve meaning the market for the DKK1-CAR could be quite large

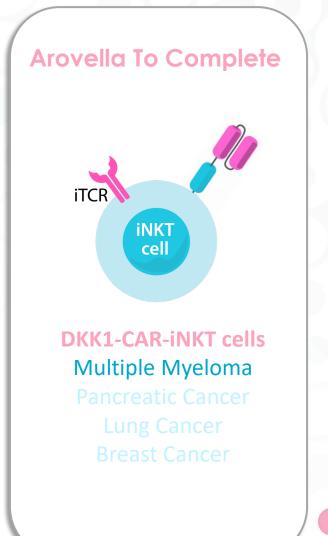




### Development of DKK1-CAR to Date

- The DKK1 mAb was developed at MD Anderson and can be incorporated into a chimeric antigen receptor (CAR)
- The DKK1 peptide-targeting mAb has demonstrated activity against multiple myeloma and breast cancer
- The DKK1 peptide-targeting scFv has been incorporated into CAR-T cells, and has excellent activity against blood cancers and solid tumours (unpublished data)
- Arovella will combine the DKK1-CAR with its iNKT cell therapy platform and initially target multiple myeloma, where DKK1 is highly expressed

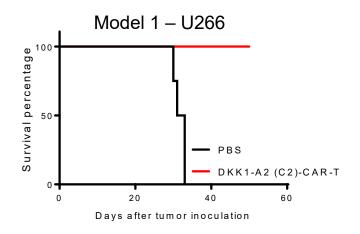


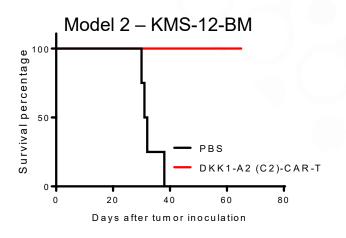


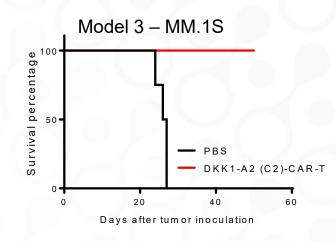


## DKK1-CAR-T Cell Activity in Multiple Myeloma

DKK1-CAR-T cells were tested in three different animal models for multiple myeloma, displaying robust activity in all standard models







- All treated mice were alive at 50-60 days, while untreated mice succumbed to the cancer at 30-40 days
- Multiple myeloma cells also express CD1d, so including DKK1-CAR into iNKT cells will make them dual targeting
- DKK1-CAR-T cells also have activity in animal models for **lung**, **pancreatic** and **triple** negative breast cancer

**DKK1-CAR-T Preclinical Safety** 

Prof Qing Yi at Houston Methodist has demonstrated:

- They only kill cells that have the DKK1 peptide presented in an HLA-A2 complex on their surface
- They do not kill healthy blood cells
- That the DKK1-CAR-T cells are considered safe using in vivo models
- The DKK1 mAb targeted only 1 out of 35 normal tissues tested (tonsil)

#### Arovella will confirm:

- That the DKK1 technology does not target or attack healthy cells
- The ability to combine DKK1-CAR with Arovella's iNKT cell therapy platform





### The Inventor – Professor Qing Yi











Professor Qing Yi is a trained medical immunologist with over 25 years of experience. He is one of the leading investigators in the fields of tumor immunology and immunotherapy in multiple myeloma and other cancers. He has trained at the **Karolinska Institute**, **MD Anderson**, the **Cleveland Clinic** and is now at **Houston Methodist**.



Professor Yi is the Director for the Center for Translational Research in Hematological Malignancies and Associate Director for the Cancer Center Basic Research Programs, Cancer Center Houston Methodist.



Professor Yi has been awarded 9 R01 grants, 1 project and 1 core grant in the MD Anderson Myeloma SPORE (P50), 4 R01-type translational grants from the LLS, 4 Senior Researcher Awards from the MMRF, 2 K99/R00 grants, and numerous intramural and industry grants. Dr Yi was recruited to Houston Methodist through an Established Investigator Award from CPRIT with a total grant amount of ~\$6 million.



Professor Yi and colleagues have published more than 160 peer-reviewed research articles, with 45 being in top-tier journals with an impact factor of greater than 10.



# Arovella Team



### Arovella Has a World Class Team



#### Dr. Elizabeth Stoner

#### INTERIM CHAIRPERSON

Dr. Stoner is a distinguished biopharma executive, who brings decades of international industry experience to her role, including senior roles in Clinical Development Operations at Merck Research Laboratories. Liz is an Executive Partner at MPM Capital, and she has held numerous leadership roles at MPM portfolio companies. Liz was previously an Assistant Professor of Paediatrics at Cornell University Medical College.









#### **DIRECTOR**

Mr Phillips has more than 30 years of operational management experience in the pharmaceutical and healthcare industry in Europe, Asia and Australia. He is currently the CEO and Managing Director of the ASXlisted company, Pharmaxis — previously he was the CEO at Ciba Geigy in Hungary (Merged to form Novartis in 1996) where he led the successful launch of a portfolio of new products.







# Dr. Michael Baker

#### **CEO & MANAGING DIRECTOR**

Dr. Baker has over 15 years experience in scientific research, drug development and venture investing sectors. He was an Investment Manager with the leading Australian life science fund, BioScience Managers. He also conducted due diligence to shortlist investment opportunities and played an active role in managing portfolio companies.













#### Dr. Sandhya Buchanan

#### **VP MANUFACTURING & QUALITY**

Dr. Buchanan has more than 20 years' experience working in cell & gene therapy and vaccine development. Dr Buchanan was formerly at Atara Biotherapeutics as the chemistry manufacturing and control technical lead for autologous CAR-T programs and head of Viral Vector Development. Dr Buchanan has a PhD in Pharmaceutical Sciences from the University of Colorado Health Sciences Center.





### Dr. Debora Barton

#### DIRECTOR

Dr. Barton has over 20 years of oncology experience, in academia, as a practicing physician and in the biotechnology / pharmaceutical industry. Served in key senior executive positions, including Carisma Therapeutics and TScan Therapeutics, where Dr. Barton is currently the Chief Medical Officer, and Advanced Accelerator Applications, acquired by Novartis during Debora's tenure.







### Dr. Mini Bharathan

#### **VP DEVELOPMENT &** TRANSLATIONAL MEDICINE

Dr. Mini Bharathan has spent her career in the field of immunology and developing innovative cell therapies to treat human disease. Mini has over 15 years of biotechnology industry experience leading preclinical and translational medicine research teams. Mini will drive the development of Arovella's pipeline of iNKT cell therapies into and through clinical trials.











# Thank You

**Dr Michael Baker** 

**CEO & Managing Director** 

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# Appendices

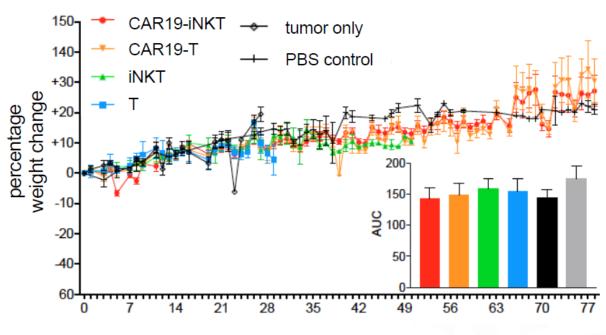


## Preclinical In Vivo Safety Evaluation of CAR19-iNKT cells

# CAR19-iNKT cells do not elicit adverse effects in preclinical mouse tumour models

- No body weight loss
- Data in mouse models did not show off-target effects
- No histological changes in normal tissues
- Beside the profound anti-lymphoma effect of CAR19-iNKT cells, there was no evidence of negative pathology findings, clinically or as determined by extensive histopathological analysis

#### Mice Body Weight



Rotolo et al., Cancer Cell (2018)



## iNKT Cells Protect Against Graft Versus Host Disease

2017



<u>Front Immunol</u> 2017 July 31;8:900

Invariant Natural Killer T Cells As Suppressors of Graft-versus-Host Disease in Allogeneic Hematopoietic Stem Cell Transplantation 2017



<u>Leukemia</u> 2017 Apr;31(4):903-912

Pre-transplant donor CD4<sup>-</sup> invariant NKT cell expansion capacity predicts the occurrence of acute graftversus-host disease 2016



<u>Blood</u> 2016 Apr 7;127(14):1828-35

Larger number of invariant natural killer T cells in PBSC allografts correlates with improved GVHD-free and progression-free survival 2015



<u>Blood</u> 2015 May 28;125(22):3374-3375

A party of three: iNKT cells in GVHD prevention

2015



Blood

2015 May 28;125(22):3491-3500

Third-party CD4+ invariant
natural killer T cells protect from
murine GVHD lethality

 Conventional CAR-T cell therapies are limited to autologous products due to the potential for acute graft versus host disease (GVHD)

Allogeneic CAR-T cell products require additional genetic engineering

Invariant Natural Killer T (iNKT) cells have been shown to intrinsically protect against GVHD

 Arovella's CAR-iNKT cell therapies will be developed as allogeneic products, requiring minimal genetic engineering

2014



2014 Nov 20;124(22):3320-3328

CD4+ invariant natural killer T cells protect from murine GVHD lethality through expansion of donor CD4+CD25+FoxP3+ regulatory T cells 2012



2012 May 24;119(21):5030-6

Graft invariant natural killer T-cell dose predicts risk of acute graftversus-host disease in allogeneic hematopoietic stem cell transplantation 2011



2011 Mar 17;117(11):3220-3229

Low doses of natural killer T cells provide protection from acute graft-versus-host disease via an IL-4–dependent mechanism 2010



<u>Transfusion</u> 2010 Feb;50(2):407-17

Adoptive therapy by transfusing expanded donor murine natural killer T cells can suppress acute graft-versus-host disease in allogeneic bone marrow transplantation

2008



<u>J Immunol</u>. 2008 Sep 1;181(5):3268-76

Human Invariant NKT Cells Display Alloreactivity Instructed by Invariant TCR-CD1d Interaction and Killer Ig Receptors



### Use of iNKT Cells in Clinical Trials

2020



Nat Med
2020 Nov;26(11):1686-1690.
Anti-GD2 CAR-NKT cells in patients with relapsed or refractory neuroblastoma: an interim analysis

2017



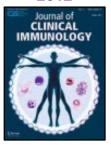
Clin Cancer Res.
2017 Jul 15;23(14):3510-3519
Adoptive Transfer of
Invariant NKT Cells as
Immunotherapy for
Advanced Melanoma: A
Phase I Clinical Trial

2013



2013 Jan 17;121(3):423-430
Clinical regressions and broad immune activation following combination therapy targeting human NKT cells in myeloma

2012



J Clin Immunol.
2012 Apr 26;32(5):1071-81

Accumulation of
Activated Invariant
Natural Killer T Cells in
the tumour
Microenvironment after
α-GalactosylceramidePulsed Antigen
Presenting Cells

2011



Clin Cancer Res.

2011 Aug 1; 17(15):5140-51

Comparison of Clinical and Immunological Effects of Intravenous and Intradermal Administration of α-GalactosylCeramide (KRN7000)-Pulsed Dendritic Cells



<u>J Immunol.</u> 2009 Feb 15;182(4):2492-501

> A Phase I-II Study of α-Galactosylceramide-Pulsed IL-2/GM-CSF-Cultured PBMCs in Patients with Advanced and Recurrent NSCLC

2008



Cancer Immunol Immunother. 2008 Mar;57(3):337-45

Phase I study of αgalactosylceramide-pulsed antigen presenting cells administration to the nasal submucosa in unresectable or recurrent HNC 2006



<u>Clin Cancer Res</u>. 2006 Oct 15;12(20 Pt 1):6079-86

A Phase I Study of *In*vitro Expanded Natural Killer
T Cells in Patients with
Advanced and Recurrent
Non–Small Cell Lung Cancer

2005



<u>J Exp Med.</u> 2005 May 2;201(9):1503-17

Sustained expansion of NKT cells and antigenspecific T cells after injection of α-galactosylceramide loaded mature dendritic cells in cancer patients 2005



<u>Clin Cancer Res</u>. 2005 Mar 1;11(5):1910-17

A Phase I Study of α-Galactosylceramide (KRN7000)-Pulsed Dendritic Cells in Patients with Advanced and Recurrent NSCLC

- iNKT cells, in the presence and absence of CARs, have been used in numerous clinical trials against a range of tumour types, including blood cancers and solid tumours
- Efficacy data is encouraging in both solid tumour and haematological malignancies
- The side effect profile is encouraging with low risk of neurotoxicity and cytokine release syndrome with no evidence of GVHD for allogeneic iNKT cell products



### DKK1's Role in Cancer

2021



#### Oncogene, 2021 Jul 01; 40(26)

The dickkopf1 and FOXM1 positive feedback loop promotes tumor growth in Pancreatic and Esophageal Cancers 2019



### Annals of translational medicine, 2019 Dec 21; 146(2)

Crosstalk of estrogen receptors and wnt/β-catenin signaling in Endometrial Cancer 2019



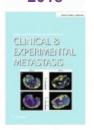
#### Oncogene, 2019 Dec 06; 38

Dickkopf-1 contributes to Hepatocellular Carcinoma tumorigenesis by activating the Wnt/β-catenin signaling pathway 2019



### American journal of cancer research, 2019 Feb 01; 9(2)

Dickkopf-1 (DKK1) promotes tumor growth via aktphosphorylation and independently of wnt-axis in barrett's associated Esophageal Adenocarcinoma 2018



## Clinical & experimental medicine, 2018 Sep 2035(8)

Dickkopf-1 (Dkk1) protein expression in Breast Cancer with special reference to Bone Metastases

2015



#### Oncotarget, 2015 Jun 19; 6(23)

Serum dickkopf-1 is a novel serological biomarker for the diagnosis and prognosis of Pancreatic Cancer

- DKK1 is overproduced in a number of cancer types, including pancreatic, oesophageal, hepatocellular, breast, lung cancer and multiple myeloma
- Overexpression of DKK1 can indicate poor overall survival and shorter disease-free survival<sup>1</sup>
- DKK1 has recently emerged as a potential biomarker of cancer progression and prognosis for several types of malignancies<sup>2</sup>
- There is growing evidence that DKK1 plays an essential role in cancer progression<sup>2</sup>
  - 1. Zhu et al., 2021

2. Chu et al., 2021

#### 2018



#### Oncogene, 2018 Mar 18; 37(26)

Activation of the dickkopf1-CKAP4 pathway is associated with poor prognosis of Esophageal Cancer and anti-CKAP4 antibody may be a new therapeutic drug

#### 2017



#### Cell cycle, 2017 Jul 27; 16(17)

The role of dickkopf-1 as a potential prognostic marker in Pancreatic ductal adenocarcinoma

#### 2016



#### Oncotarget, 2016 Sep 06; 7(43)

Dickkopf-1 expression is associated with tumorigenity and lymphatic metastasis in human hilar Cholangiocarcinoma

### 2016



## Journal of cellular and molecular medicine, 2016 May 31; 20(9)

Dickkopf-1-promoted vasculogenic mimicry in Non-small Cell Lung Cancer is associated with EMT and development of a cancer stem-like cell phenotype



# Understanding Immunology and Cell Therapy

- Antigen = Any substance that induces the immune system to produce antibodies against it is called an antigen. Any foreign invaders, such as pathogens (bacteria and viruses), chemicals, toxins, and pollens, can be antigens.
- CAR = Chimeric Antigen Receptor can be introduced into immune cells to target cancer cells.
- CAR-T = Chimeric Antigen Receptor T Cell.
- DKK1 = Dickkopf WNT signalling pathway inhibitor 1
- iNKT = invariant Natural Killer T cells are components of the immune system that seek and destroy foreign or abnormal cells.
- TCR = T Cell Receptors are group of proteins found on immune cells that recognise fragments of antigens as peptides bound to MHC complexes.
- CD1d = Cluster of differentiation 1, which is expressed on some immune cells and cancer cells.
- CD19 = Cluster of Differentiation 19 is a protein that is expressed in a B cells and many cancer cell types.
- Cell Therapy = The use of intact cells to lessen or cure a disease. Cells may be from the patient (autologous) or from a healthy donor (allogenic).
- **iNKT** = invariant Natural Killer T cell; a naturally occurring immune cell.
- Immuno-oncology = The use of the immune system to treat cancer.
- Invariant = Never changing.
- In vitro = Work completed in a test tube or outside of an animal.
- In vivo = work completed using an organism (i.e. mouse, human).
- Lymphomas = Lymphoma is a cancer of the lymphatic system, which is part of the body's germ-fighting network.
- Novel = Of new or unusual kind.
- Platform = A systematic method to leverage prior knowledge for a given new therapy.







# Committed to helping people live longer and healthier lives

#### Patient-Centric

It starts with the end in mind. In our case, it is our patients. At Arovella, we are invested in making a positive difference in helping patients live longer and healthier lives. Creating a brighter future for people is our driving force.

#### Data-driven and Milestone Focused

Behind all life-changing therapies is excellent, ground-breaking science. We utilise data to shape our decisions to enable us to reach our set milestones

#### Accountable, Honest and We Act With Integrity

Our mission of helping patients focuses us. We hold ourselves to account for our actions. We strive to do what is right for all of our stakeholders.

#### We Are Persistent and Never Give Up

Drug development is a challenging arena. We are committed to our mission of helping patients, and we will continue to push each other through positive and challenging times in the pursuit of developing life-changing therapeutics.