

NOTICE: FORWARD LOOKING STATEMENTS

Any forward looking statements in this presentation have been prepared on the basis of a number of assumptions which may prove incorrect and the current intentions, plans, expectations and beliefs about future events are subject to risks, uncertainties and other factors, many of which are outside Imugene Limited's control. Important factors that could cause actual results to differ materially from any assumptions or expectations expressed or implied in this brochure include known and unknown risks. As actual results may differ materially to any assumptions made in this brochure, you are urged to view any forward looking statements contained in this brochure with caution. This presentation should not be relied on as a recommendation or forecast by Imugene Limited, and should not be construed as either an offer to sell or a solicitation of an offer to buy or sell shares in any jurisdiction in which it would be a contravention of applicable law.



EXECUTIVE SUMMARY

Investment Highlights

- Novel immuno-oncology B-cell peptide vaccine technology
- Outstanding scientific provenance from leading U.S. and European universities
- Drug is safe and well tolerated
- Sound cash position
- Robust intellectual property portfolio & long patent life including checkpoint inhibitor combinations
- Manufacturing straightforward with low cost of goods
- Published in leading peer review journals

Imugene B-cell Vaccine Pipeline

- Phase 1 clinical data in Her-2 breast and gastric cancers
- HER-Vaxx:
 Phase 1b recruitment completed
 Phase 2 activity commenced
- B-Vaxx: Phase 2 ongoing
- KEY-Vaxx: pre-clinical work started
 Phase 1 to commence in 2019

Experienced Management& Board

- Meeting milestones
- Successful M&A activity
- Internationally recognised members of the Scientific Advisory Board



A TEAM WITH A TRACK RECORD IN DRUG DEVELOPMENT



Leslie Chong SYDNEY, AU Managing Director & CEO

- Over 20 years of oncology experience in Phase I – III of clinical program development
- Leadership role involvement in two marketed oncology products
- Previously Senior Clinical Program Lead at Genentech, Inc., in San Francisco



Paul Hopper SYDNEY, AU Executive Chairman

- International & ASX biotech capital markets experience particularly in immuno-oncology & vaccines
- Former Chairman of Viralytics, Founder & Director of Prescient, Founder of Imugene & Polynoma LLC, former Director pSivida, Somnomed & Fibrocell Science



Dr Mark Marino
CALIFORNIA, USA
Chief Medical Officer



 Former CMO of Cytori, Head of Clinical Pharmacology at Eisai and Roche, Head of Research and Early Development at Mannkind, VP Clinical Development at Daiichi



Dr Axel Hoos
PHILADELPHIA, USA
Non-Executive Director



- Former Medical Lead for Yervoy, the first survival improving medicine in Immuno-Oncology
- Chairman of the BoD of the Sabin Vaccine Institute
- Co-Chair of the Cancer Immunotherapy Consortium Think-Tank
 Dr Nick Ede

MELBOURNE, AU

Chief Technology Officer

- Over 25 years peptide vaccine and drug development
- Former CEO Adistem, CEO Mimotopes
- VP Chemistry Chiron (now Novartis), Research Fellow CRC Vaccine Technology



Mr Charles Walker BRISBANE, AU Non-Executive Director

- Experienced listed biotech CEO and CFO (ASX;ACL and ASX:IMU)
- Experienced in financial markets including executing 55 international tech corporate transactions
- Clinical experience includes managing pipeline of drugs in all stages form discovery, through to
 DIPARTHUR MAGNARE

 TO ALL PROMAGNARIO

 TO ALL PROMAGNARIO





- Over 20 years global clinical development experience.
- Integral to the development of significant new medicines including Viagra, Revatio, Lipitor, and Somavert.
- Ex Pfizer Global Research and Development, Ex Covance Clinical Services.





IMUGENE SCIENTIFIC ADVISORY BOARD



Prof Pravin Kaumaya
OHIO STATE UNIVERSITY, USA

- Prof of Medicine
 Department of Obstetric
 Gynecology at Ohio State
 University
- Research focus in tumour immunology, mechanisms of tumour cell-immune cell interactions, and immune mechanisms
- Research focus on fields of vaccine with emphasis on peptide vaccines for cancer





- Expertise in breast and lung cancer, cancer immunotherapy and early drug development
- Leads the Centre of Experimental Medicine at Barts Cancer Institute



Dr. Michael Galigiuri CITY OF HOPE, USA

- President of City of Hope National Medical Center and holds the Deana and Steve Campbell Physician-in-Chief.
- Elected President of the American Association for Cancer Research (AACR) in 2017



Prof. Josep Tabernero VALL D'HEBRON, BARCELONA, SPAIN

- President of European Society for Medical Oncology (ESMO)
- President of the Medical Oncology Department at the Vall d'Hebron
- Director of the Vall d"Hebron Institute of Oncology (VHIO)



Prof Tanios Bekail Saab MAYO CLINIC, USA

- Professor of College of Medicine and Science
- Program Co-Leader, Gl Cancer, Mayo Clinic Cancer Center
- Medical Director, Cancer Clinical Research Office (CCRO)
- Senior Associate
 Consultant, Mayo Clinic
 A7



Wiedermann-Schmidt MEDICAL UNIVERSITY OF VIENNA, AUSTRIA

 Co-inventor of HER-Vaxx

Prof. Ursula

 Professor of Vaccinology at Medical University of Vienna



Dr Neil Segal
MEMORIAL SLOAN KETTERING
CANCER CENTER, USA

- · Medical Oncologist
- Expertise in GI, Colon, Pancreatic cancers
- Active clinical immunooncology researcher
- Clinical lead in several trials using PD-L1 inhibitors

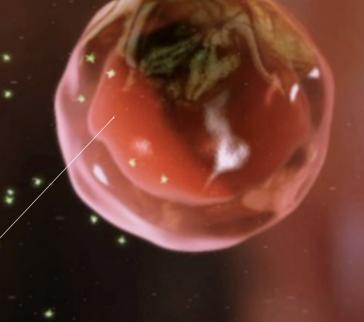


Dr Yelina Janjigian MEMORIAL SLOAN KETTERING CANCER CENTER, USA

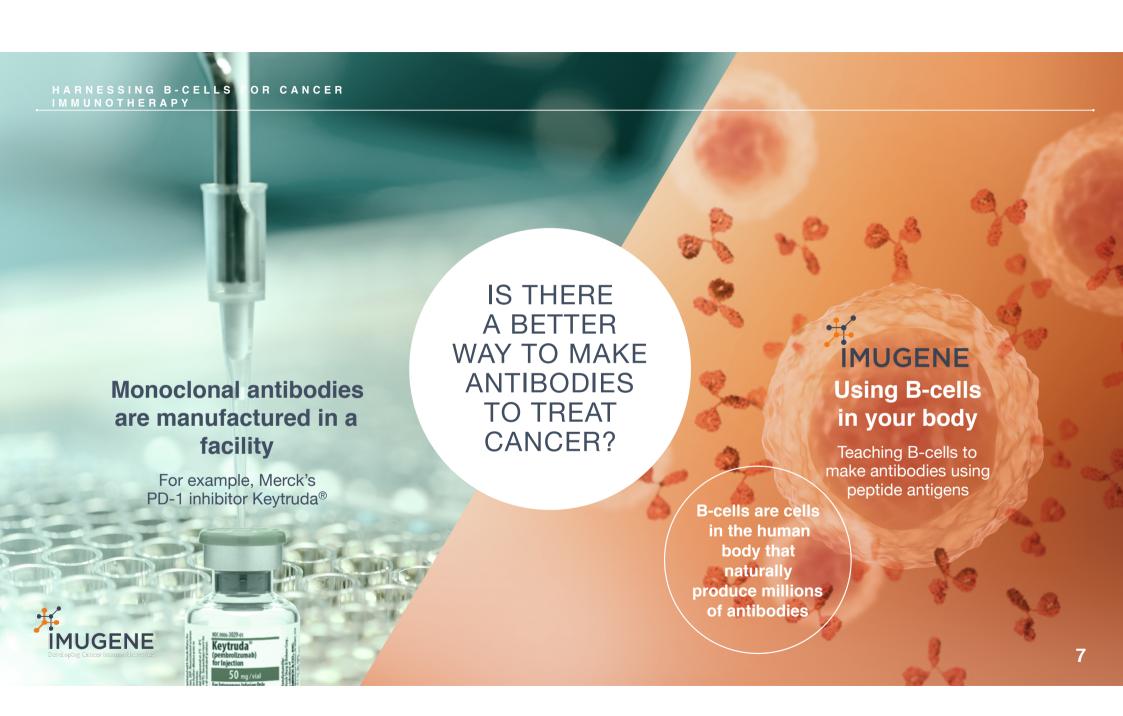
- · Medical Oncologist
- Expertise in esophageal and stomach (gastric) cancer
- Active in GI clinical trials testing combinations of Her-2 and checkpoint inhibitor therapies



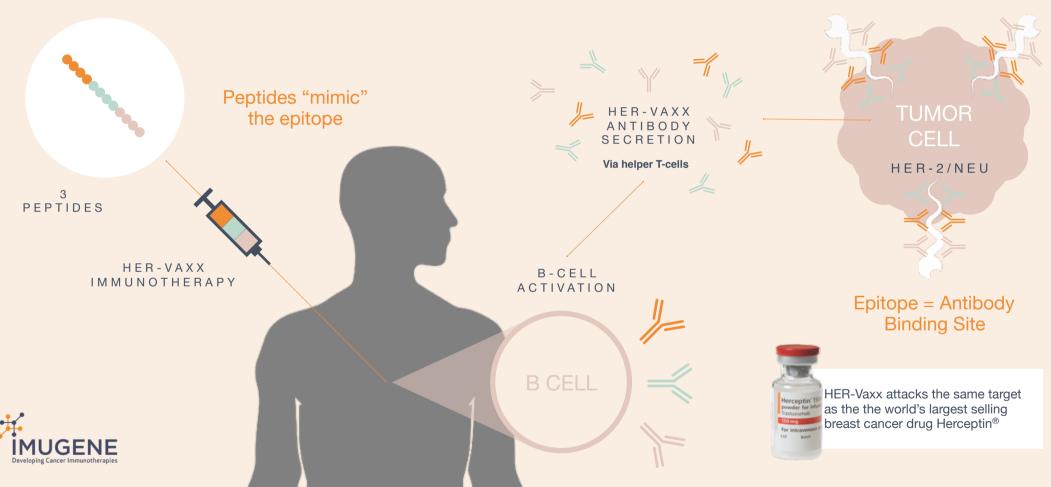
Imugene develops
vaccines
to boost and direct the
body's immune system
to specifically target and
attack cancer cells







HER-VAXX MIMOTOPE: MECHANISM OF ACTION?



CURRENT PHASE 1B/2, IN GASTRIC CANCER

Phase 1b - Complete

Trial

- Phase 1bGastric
- Open label

Patients

- Gastric
 Cancer
- Up to 18 with patients in 3 cohorts 5FU (10, 30 and 50 µg)



Study

HER-Vaxx in combination with chemo: Cisplatin and 5FU or capecitabine



Endpoints

- Recommended Phase 2 Dose of HER-Vaxx
- Safety and Toxicity
- Immunogenicity (anti-HER-2 antibody titres)



Study Results

- 50 µg selected as the RP2D
- No safety or toxicity issues
- All patients had increased antibody response
- Best Response Rates
 - 1 Complete Response
 - 5 Partial Response
 - 4 Stable Response

2H, 2018 PHÁSE 1B COMPLETED

9



CURRENT PHASE 1B/2, IN GASTRIC CANCER

Phase



Trial

- Phase 2
- Open label Cancer



Patients

- Gastric
- Up to 70 patients



Study

Randomized

HER-Vaxx in combination with standard of care chemotherapy

Or

Standard of care chemo: Cisplatin and 5FU or capecitabine or oxaliplatin • Immune response



Primary Endpoints

- OS
- PFS

Secondary **Endpoints**

- Safety and Tolerability

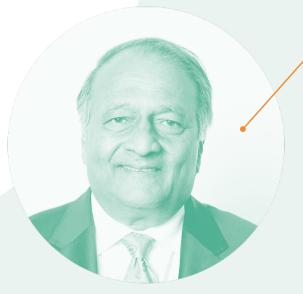




COULD PRECISION-ENGINEERED PEPTIDE EPITOPES/ VACCINES BE THE KEY TO A CANCER CURE?



DR TANIOS BEKAII SAAB MAYO CLINIC, USA



"Combination cancer vaccines with peptide mimics have the potential to treat existing cancer and prevent its reoccurrence."

PROF PRAVIN KAUMAYA
OHIO STATE UNIVERSITY, USA



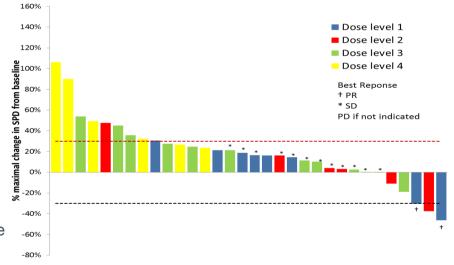
ACQUIRED HER-2 VACCINE (B-VAXX)

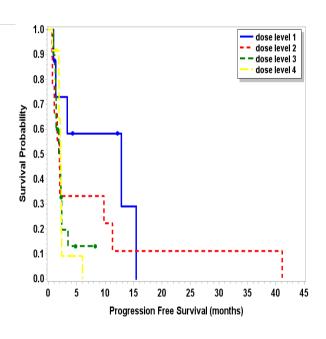


1424 Patients had stable disease

2 out of 24 patients had partial response 1 patient had PFS at 40+ months

NO TOXICITY
OBSERVED



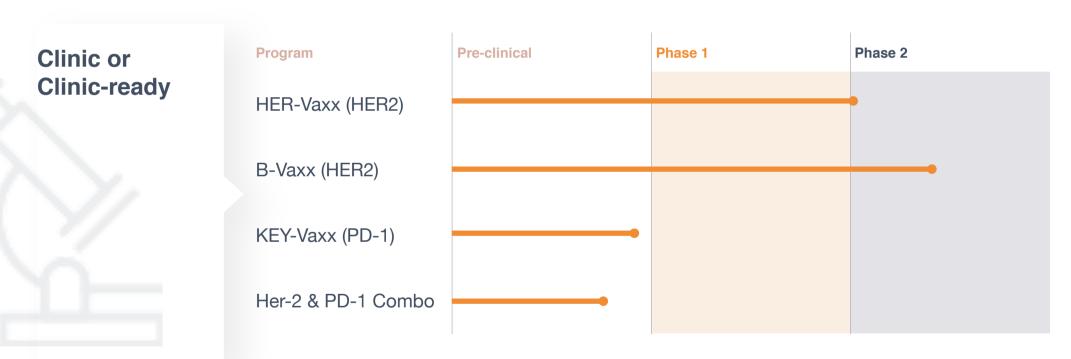




Phase Ib Immunotherapy Trial with a Combination of Two Chimeric (Trastuzumab-like and Pertuzumab-like) HER-2 B Cell Peptide Vaccine emulsified in ISA 720 and nor-MDP Adjuvant in Patients with Advanced Solid Tumors, Immunological Response and Clinical Outcome. Tanios Bekaii-Saab, Daniel H. Ahn, Christina Wu, Robert Wesolowski, Amir Mortazavi, Maryam Lustberg, Jeffrey Fowler, Bhuvaneswari Ramaswamy, Lai Wei, Jay Overholser and Pravin T.P. Kaumaya. Cancer Discovery 2018 manuscript in preparation.

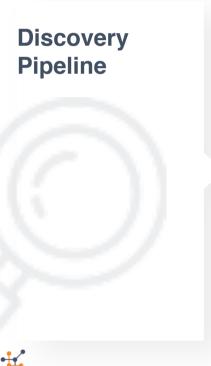
13

IMUGENE PIPELINE





IMUGENE PIPELINE



Program

Her-1 (EGFR)

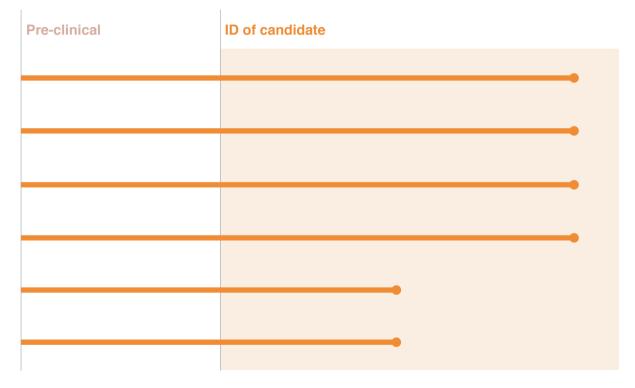
Her-3

IGF-1R

VEGF

Combination (numerous)

PD-L1



WHY SELECT & TARGET PD-1 FOR B-CELL VACCINATION?

Monoclonal antibody immunotherapies
Keytruda® (Merck) and Opdivo® (BMS) targeting PD-1 sold
USD\$3.8B and \$4.9B, respectively, in 2017.

The combination of the PD-1 vaccine with the acquired Phase II Her-2 vaccine significantly inhibits tumor growth c/w mAb control in a Her-2+ model of colon cancer.

In industry-recognised mouse cancer models (colon cancer), the PD-1 targeting B-cell vaccine is more superior than the gold standard mouse PD-1 monoclonal antibody (used in preclinical model testing for Keytruda and Opdivo).

Whilst acknowledging the rapid rise in clinical trials involving PD-1 and their combination with other treatments*, a PD-1 B-cell vaccination approach represents a paradigm shift in cancer immunotherapy.

* Tang etal. Comprehensive analysis of the clinical immuno-oncology landscape, Annals of Oncology, 2017

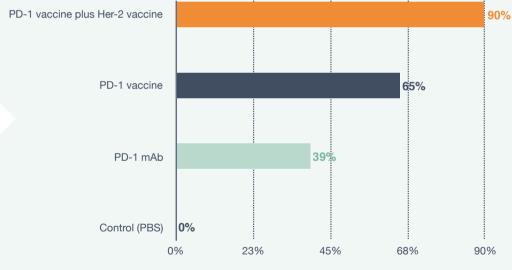


PD-1/HER-2 VACCINE COMBINATION

Active in model of colorectal cancer with no signs of toxicity

- All mice vaccinated over a period of 9 weeks showed no signs of scruffiness, lesions, and lethargy.
- Organs (spleen, liver, heart, lung, kidney, and tumor) from the Balb/c mice vaccinated with combination peptides (HER-2 and PD-1) were collected from mice and submitted for analysis.
- No significant lesions were noted in any of the organs submitted for histologic evaluation.
- There were also no overt biochemical abnormalities noted.

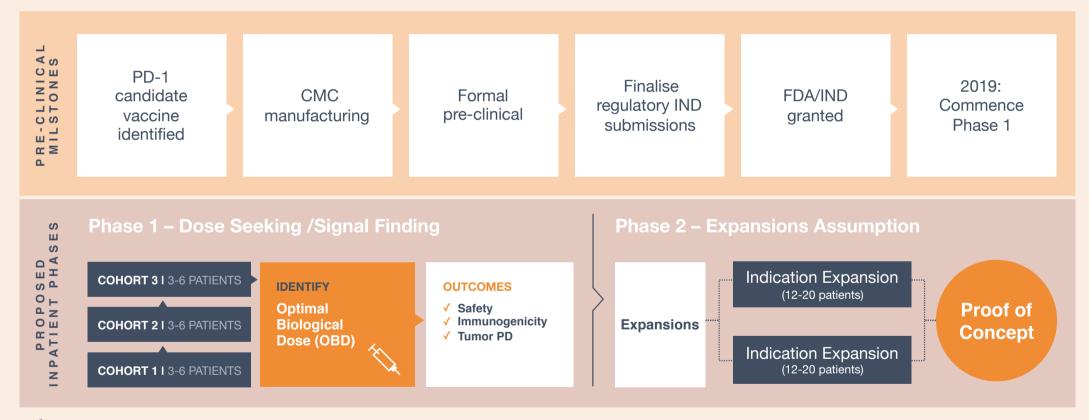
% Cancer growth inhibition in colorectal cancer model



Inhibition of cancer growth 16 days after infusion of cancer cells



PD-1 'KEY-VAXX' VACCINE PHASE 1 DEVELOPMENT PATH 2018-2019





FINANCIAL SUMMARY

Options on issue	NO. OF OPTIONS	E X E R C I S E P R I C E	EXPIRY
Listed: (IMUOA)	242.5M	\$0.026	30/11/2020
Listed:(IMUOB)	248.3M	\$0.04	30/11/2021
Unlisted:	134.5M	\$0.0247*	09/03/2020*
Total:	625.3M	\$0.03 [*]	02/01/2021*
Top 5 shareholders (as at January 2019)		NO. OF SHARES	% CAPITAL
Private Portfolio Management		224,551,412	6.22%
Platinum Asset Management		141,246,879	3.91%
Dr. Nicholas Smith		100,000,000	2.77%
Paul Hopper, Executive Chairman		76,178,722	2.11%
Sarah Cameron		60,000,000	1.66%

* Average



Market Cap

(Jan 19)

\$64.9M AUD

\$46.5M USD



12 month price range

1.3c - 4.0c



Investment to date

~\$42.5M PUBLIC ~\$5.5M VC



Ordinary shares

3.610B



Average daily volume

6.4M shares

(Oct 18 – Jan 19)



Cash & Equivalents

\$24.05M

(as at 31 Dec 2018)



