



ARGENICA THERAPEUTICS

INVESTOR PRESENTATION ASX: AGN

EUROZ HARTLEYS HEALTHCARE FORUM
FEBRUARY 2023



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BREAKTHROUGH NEUROPROTECTIVE SOLUTIONS TO REDUCE BRAIN DAMAGE



NOVEL NEUROPROTECTIVE TREATMENTS

Argenica is dedicated to developing life-changing treatments to **reduce brain damage** following stroke and other types of brain injuries.



POSITIVELY IMPACTING LIVES

Protecting brain cell death is crucial for **improving patient quality-of-life** and reducing overall healthcare costs.



UNTAPPED COMMERCIAL OPPORTUNITY

Favourable competitive landscape and commercial opportunity, with **no** other universal marketed drugs available to protect brain cells from death following stroke.



KEY COMPANY METRICS

\$8.1M
CASH @ BANK¹

RECENT GRANT FOR TBI²
\$1.2M

PHASE 1 TRIAL DOSING
COMPLETED

86.9M
SHARES ON ISSUE

\$38M
MARKET CAP³

STRONG
SHARE PRICE PERFORMANCE
SINCE IPO

(1) Cash balance as @ 31 December 2022

(2) Traumatic Brain Injury (TBI) project received Cooperative Research Centre grant as announced 20 January 2023

(3) Calculated with closing price on @ 31 January 2023 being \$0.44



OUR LEAD DRUG CANDIDATE:

ARG-007

10 YEARS IN
DEVELOPMENT,
25+ PUBLISHED
PAPERS

PHASE 1 TRIAL
DOSING
COMPLETED

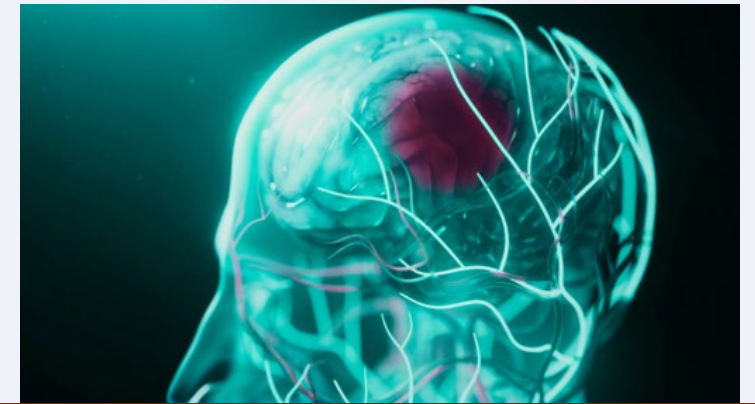
ALL IP 100%
OWNED BY
ARGENICA

MULTIPLE
GRANTED PATENTS,
INCLUDING THE
U.S.



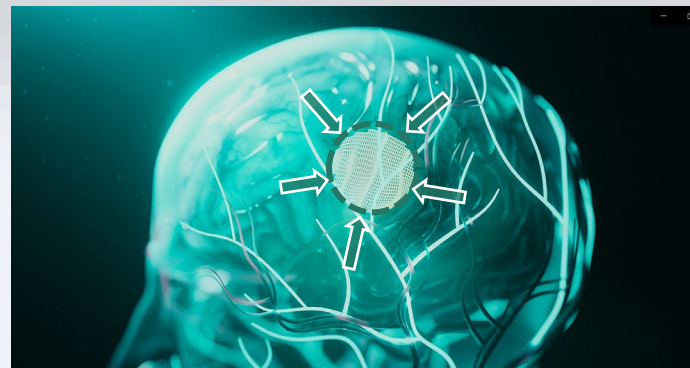
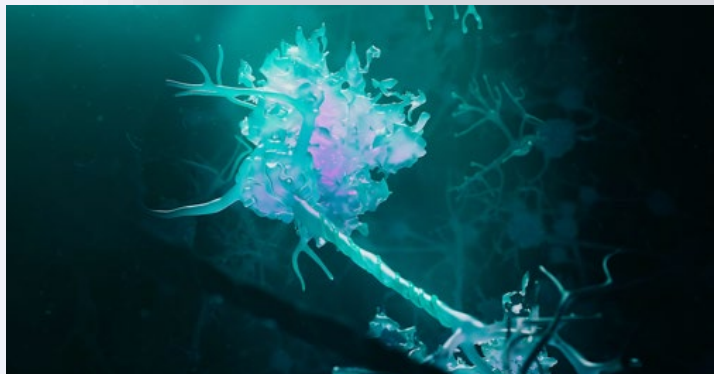
HOW ARG-007 WORKS

ISCHEMIC STROKE
EXAMPLE



INITIAL INFARCTION SETS OFF A CASCADE OF CELL DEATH THAT **WILL CONTINUE SPREADING FROM LOCATION**

ARGENICA THERAPEUTICS



Slows the progression of brain cell death

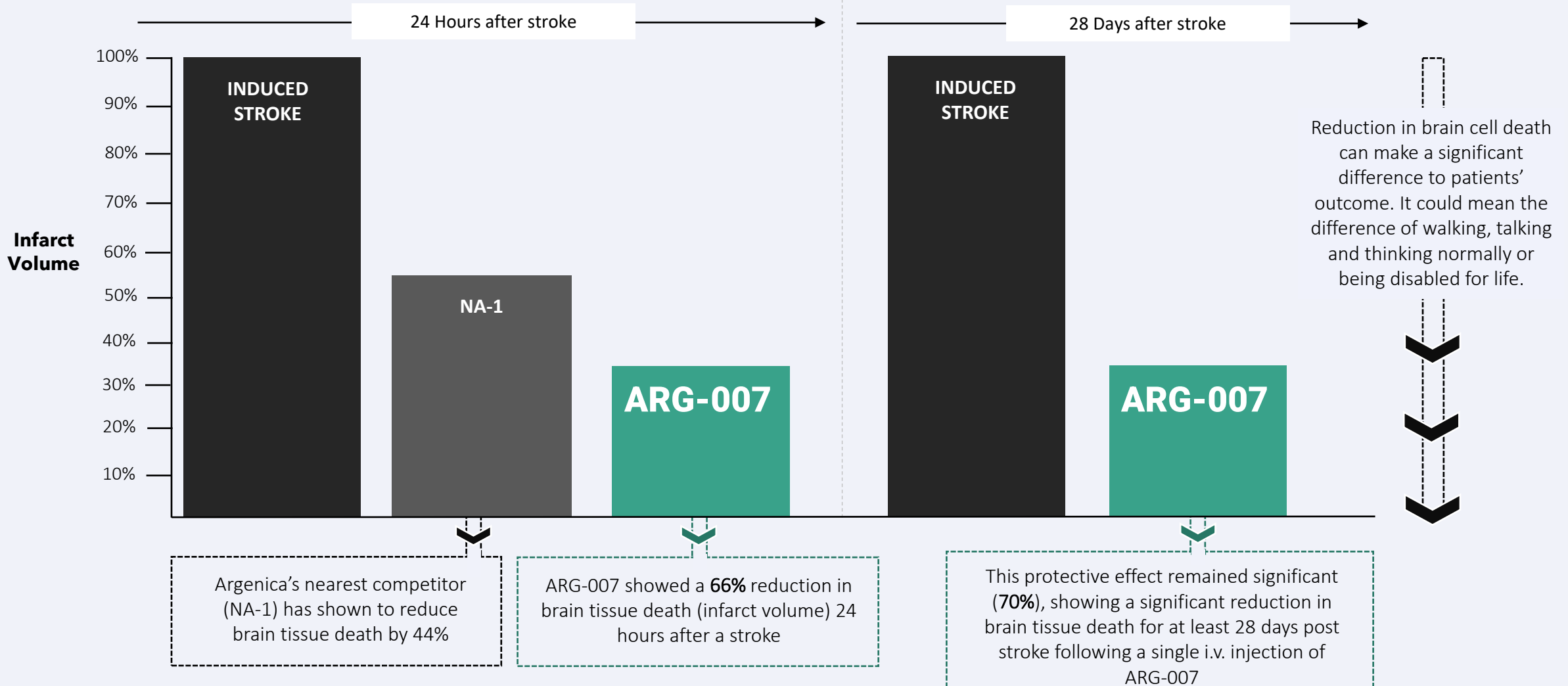
Extends treatment window & provides neuroprotection prior to hospital

Improves recovery time and quality of life

ARG-007 STOPS THE CASCADE OF CELL DEATH & PROVIDES A PROTECTION BARRIER AROUND THE INITIAL INFARCTION

ARG-007 REDUCES BRAIN TISSUE DEATH

Percentage reduction of brain tissue death after stroke





WHY STROKE?



ONE IN FOUR

people will suffer a stroke in their lifetime¹



ONLY 10%

will recover almost completely, due to the extent of brain cell damage¹



THERE ARE NO

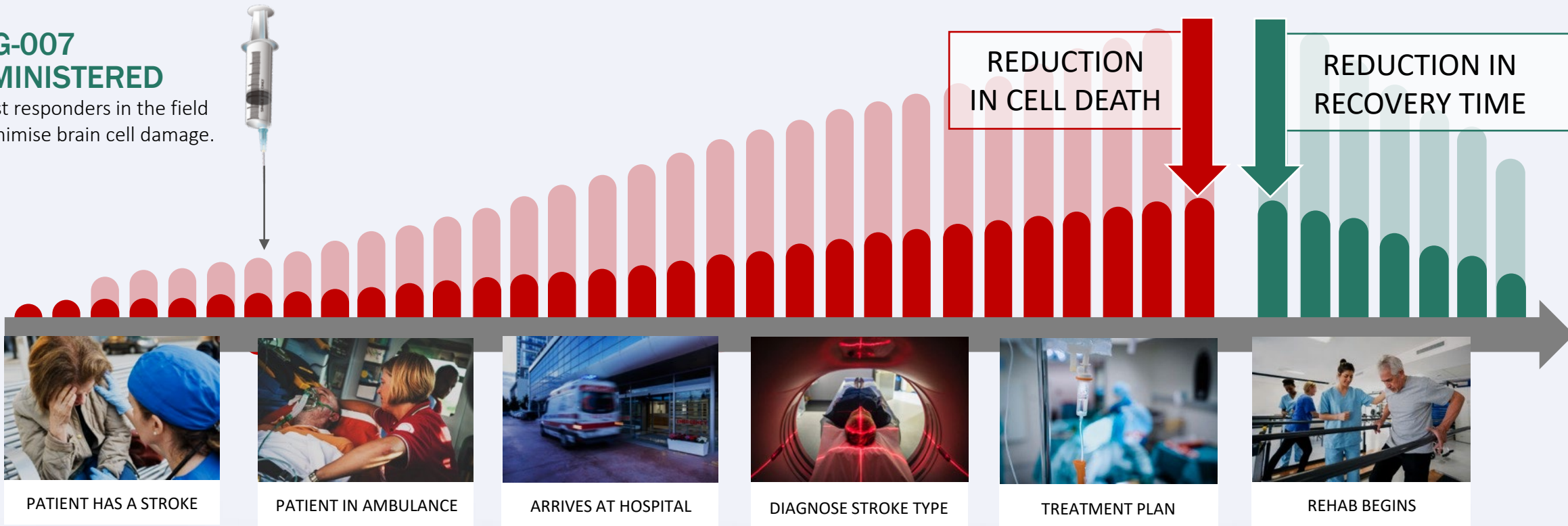
universally available drugs that protect brain cells following stroke

ARGENICA HAS AN OPPORTUNITY TO BECOME A **LEADING** COMPANY IN THIS SPACE

ARGENICA SOLVES AN URGENT UNMET NEED

ARG-007 ADMINISTERED

by first responders in the field to minimise brain cell damage.



1.9 MILLION BRAIN CELLS DIE PER MINUTE DURING STROKE¹

ARG-007 **REDUCES** NEURAL CELL DEATH & DAMAGE UNTIL TREATMENT

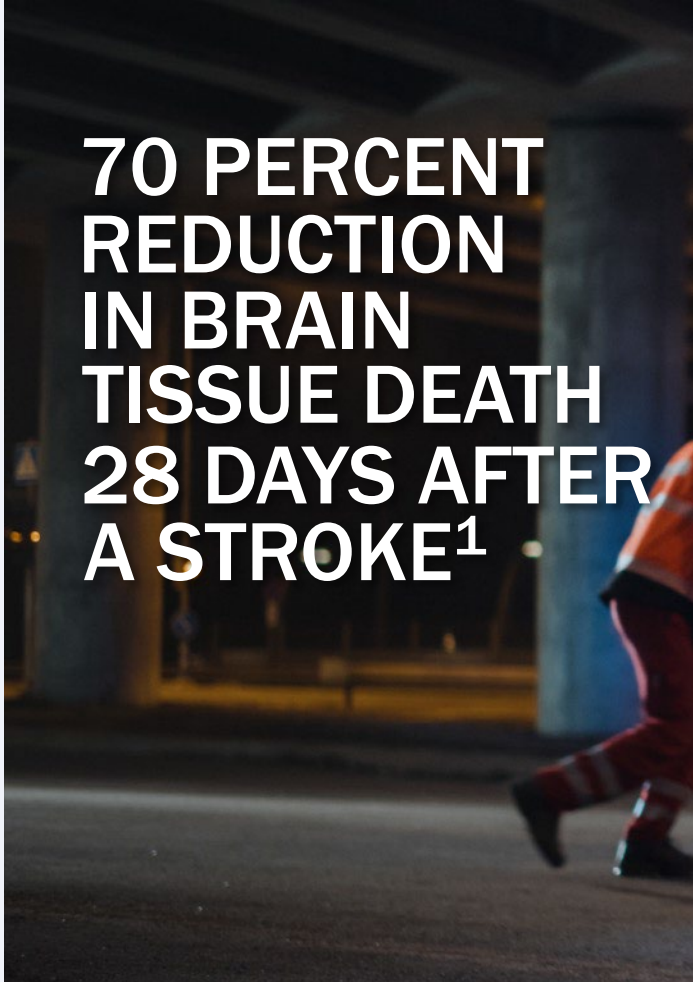
ARG-007 **IMPROVES** PATIENT OUTCOMES

ARGENICA THERAPEUTICS

Potential benefits only. ARG-007 is under development and subject to clinical validation.
(1) Saver, JL. (2006). "Time is Brain". Stroke., 37 (1), pp. 263-266



ENCOURAGING RESULTS TO DATE




**70 PERCENT
REDUCTION
IN BRAIN
TISSUE DEATH
28 DAYS AFTER
A STROKE¹**



**SAFE TO
ADMINISTER
IN THE FIELD²**



**NO ADVERSE
EFFECTS IN
PHASE 1³**



**CAN BE
ADMINISTERED
WITH CLOT
DISSOLVING
DRUGS⁴**

These findings are preliminary in nature. A larger dataset will be required for clinical validation.

[1] Meloni, B. P. et al (2020) *Neurotherapeutics: the journal of the American Society for Experimental NeuroTherapeutics*, 17(2), 627–634

[2] Liddle, L. et al (2019). *PloS one*, 14(11), e0224870.

[3] ASX Announcement 'Argenica completes pilot pre-clinical pharmacokinetics study' 01 July 2021

[4] ASX Announcement 'Study shows arg-007 does not degrade when co-administered with ischemic stroke therapeutics' 12 July 2021



PHASE 1 TRIAL DOSING COMPLETE



1. FOLLOWING DOSING IN THE TRIAL
NO CLINICALLY SIGNIFICANT ADVERSE EVENTS
HAVE BEEN REPORTED

2. FOURTH COHORT THAT RECEIVED THE HIGHEST DOSE
SHOWED NO SAFETY ISSUES

3. **ARG-007 DEEMED SAFE & WELL TOLERATED**
INTERIM DATA PACKAGE DUE IN APRIL

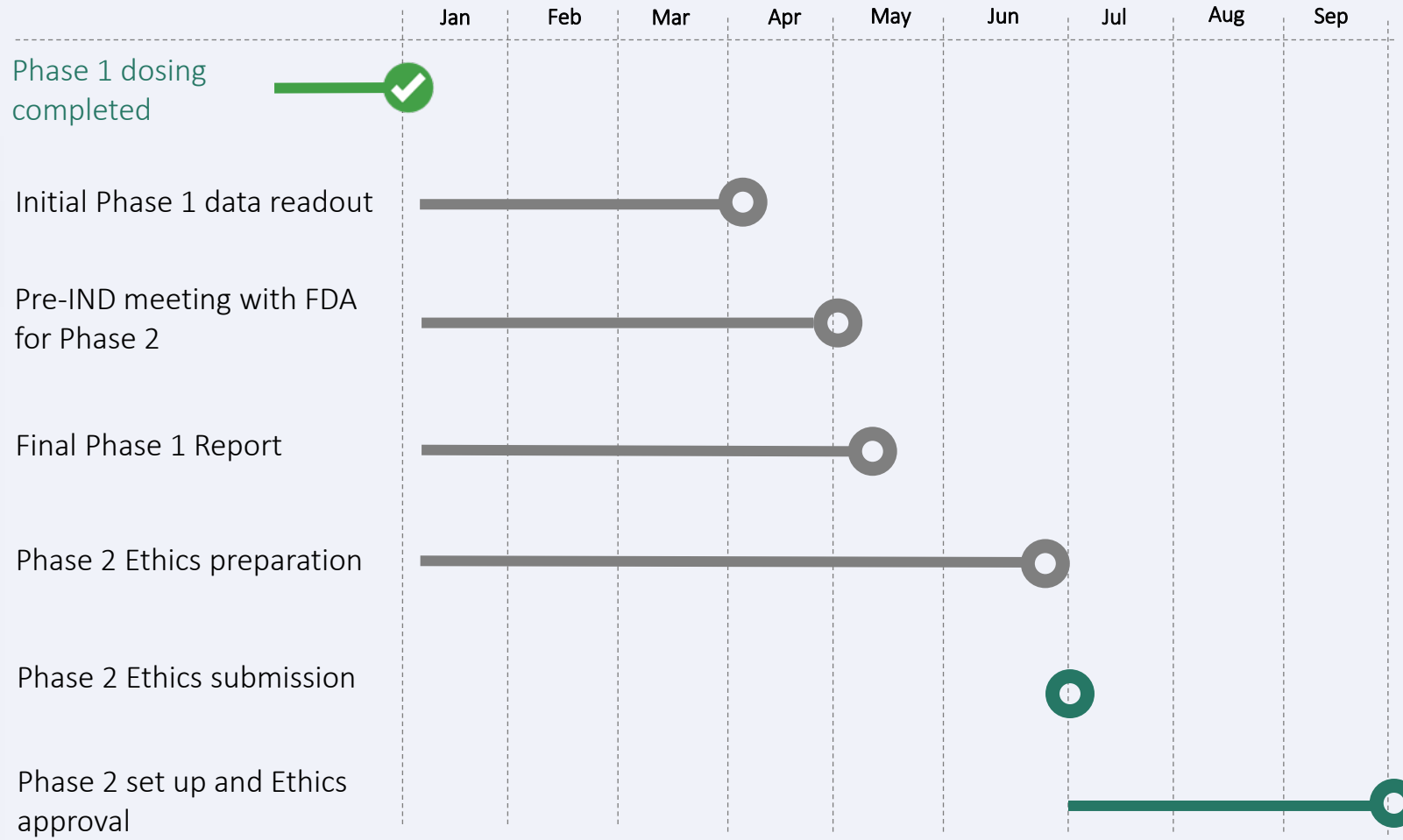
4. PLANNING FOR PHASE 2 TRIAL COMMENCED
CRO SELECTION UNDERWAY



CLINICAL TRIAL ROADMAP FOR STROKE

ARGENICA HAS ACHIEVED ALL STRATEGIC PRIORITIES SET OUT AT OUR IPO

- ✓ Secured local and international **manufacturing** capabilities
- ✓ Appointed **Head of Clinical Development** to lead studies
- ✓ Built a highly experienced **clinical advisory team**
- ✓ Completed **all** required pre-clinical studies for Phase 1 clinical trial
- ✓ Received **ethics approval** to begin Phase 1 clinical trial
- ✓ **Successfully dosed** all participants in Phase 1 trial





ARG-007 IS A **VERSATILE** TECHNOLOGY PLATFORM



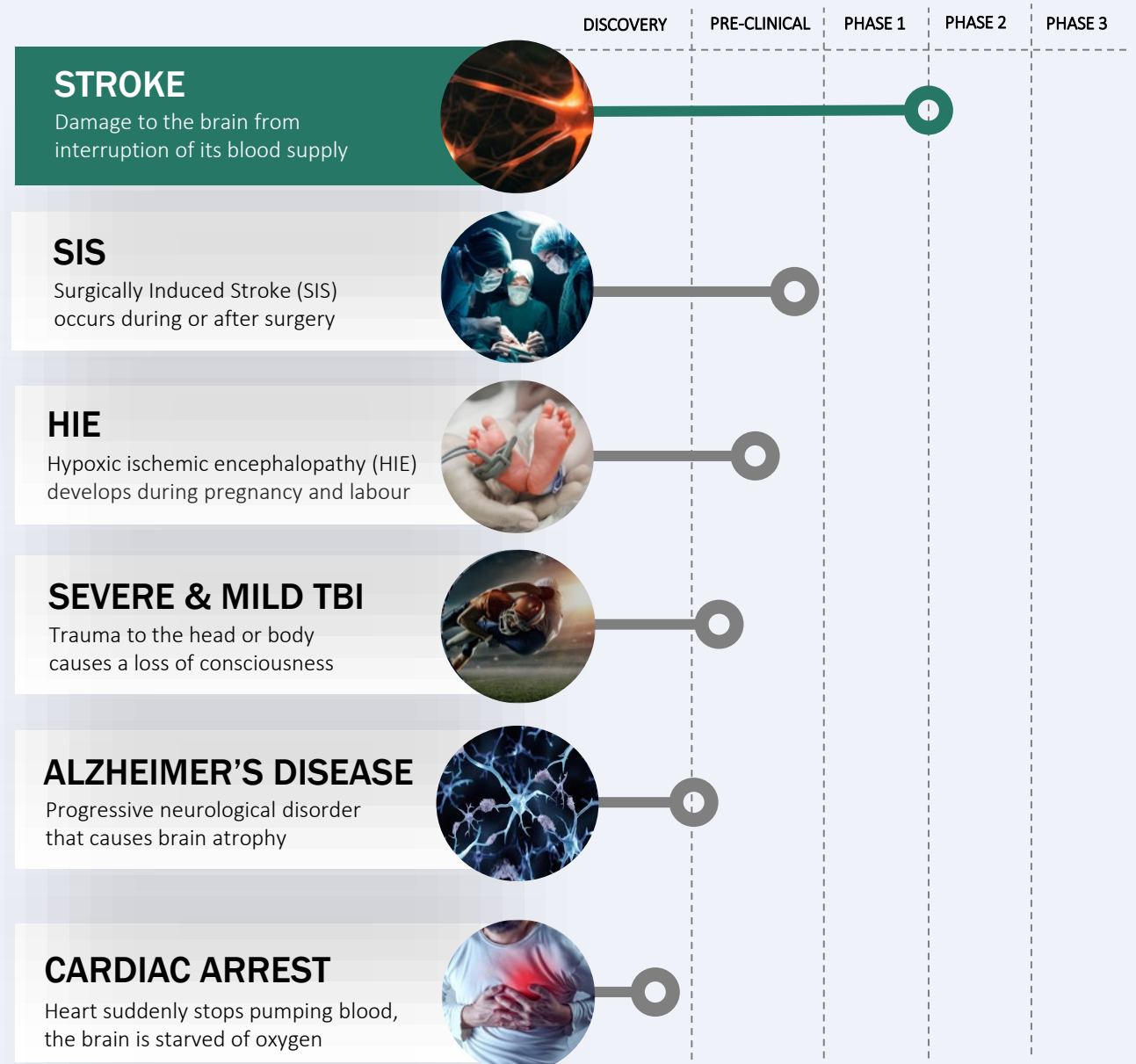
Neuroprotective solutions targeting global unmet clinical needs.



Stroke is our lead indication and current priority.



Ability to progress multiple indications to increase value creation.





ADVANCING CLINICAL STUDIES

PHASE 1 SAFETY & DOSAGE DATA CAN POTENTIALLY BE USED TO MOVE DIRECTLY INTO MULTIPLE PHASE 2 STUDIES

STROKE

Data collected from the Phase 1 clinical trial will be critical to progress into Phase 2 trials, where ARG-007 will be **administered to stroke patients.**



1ST PRIORITY
STROKE PHASE 2



2nd PRIORITY
SIS PHASE 2

HIE

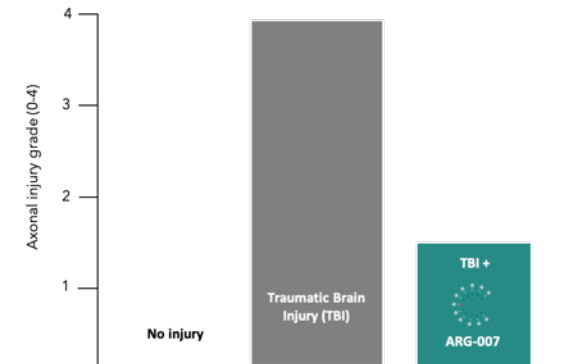
Preclinical studies have shown Argenica's ARG-007 provides neuroprotection in an animal model of Perinatal hypoxic-ischemic encephalopathy (HIE).

**86% REDUCTION
IN BRAIN CELL DEATH IN A
TERM PRECLINICAL MODEL¹**

Currently advancing pre-clinical studies required to progress a clinical program

TRAUMATIC BRAIN INJURY

Preclinical studies show that ARG-007 significantly reduced axonal injury 5 days after a single i.v. injection²



Currently advancing pre-clinical studies required to progress a clinical program

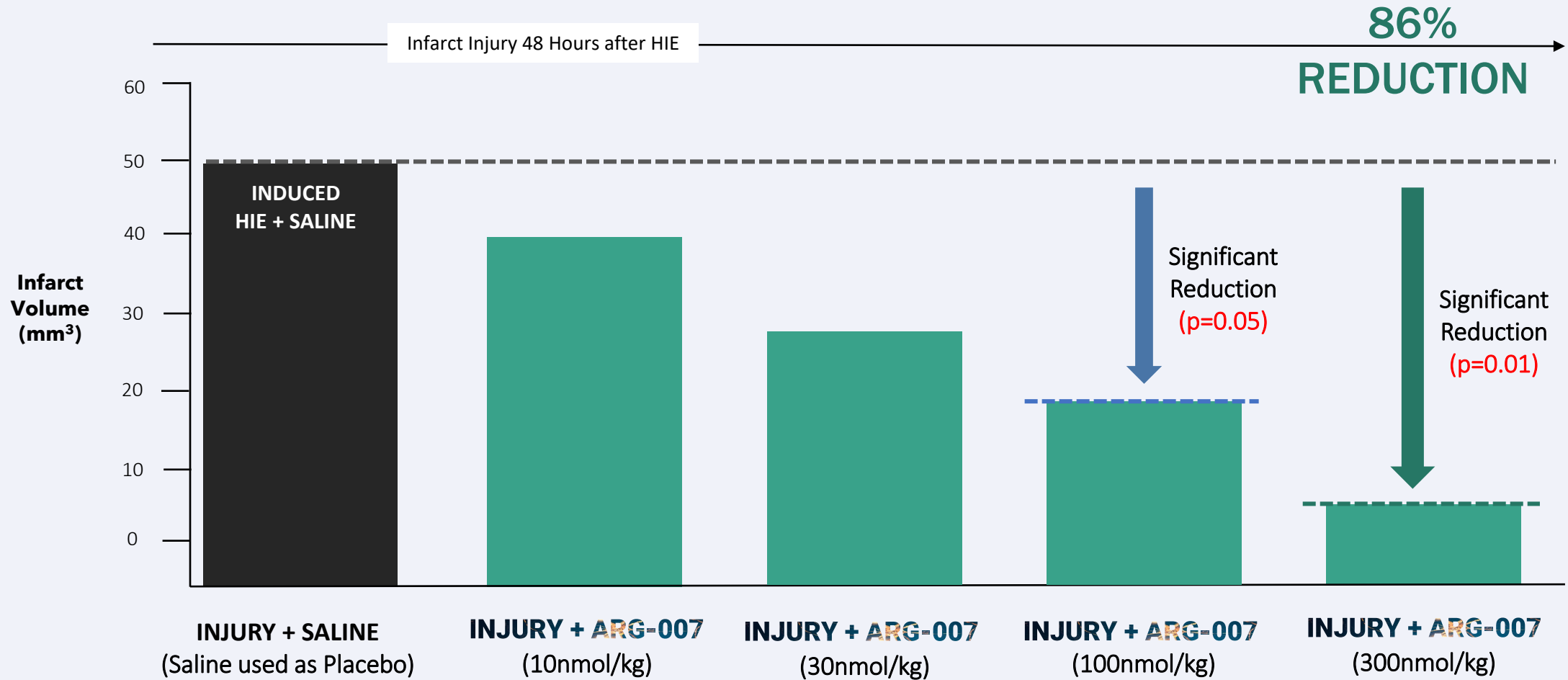
(1) Pre-clinical studies have shown ARG-007 provides neuroprotection in a term animal model of Perinatal Hypoxic Ischemic Encephalopathy (HIE) – ASX Announcement 29th September 2022.

(2) Chiu, L. S. et al (2017). Translational neuroscience, 8, 147-157



POSITIVE TERM HIE DATA

Percentage reduction of brain tissue death after HIE in term animal model



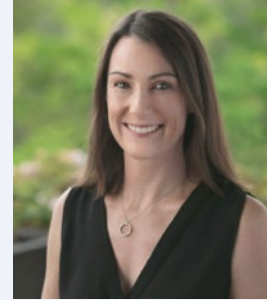


CREDENTIALLED & EXPERIENCED TEAM



GEOFF POCOCK
NON-EXECUTIVE CHAIRMAN

- 20 years' experience in commercialisation of emerging technologies and capital markets
- Non-Executive Director of EMVision (ASX:EMV)
- Co-Founder / Former Managing Director of Hazer Group (ASX: HZR)



DR LIZ DALLIMORE
CEO

- Over 20 years' experience in R&D, technology commercialisation and management consulting, including at KPMG, EY and PWC
- Extensive background in stroke and spinal cord regeneration research at the Australian Neuromuscular Research Institute, UWA and Oxford University
- PhD in Neuroscience (UWA) and an MBA (AGSM)



DR SAMANTHA SOUTH
EXECUTIVE DIRECTOR

- Extensive background in CNS medical research at Weill Medical College at Cornell University (NY), The University of Queensland and The Garvan Institute
- 10 years of Director experience at multiple companies
- Over 13 years' experience in technology transfer in medtech / biotech sector, at UQ, QUT and UWA.



LIDDY MCCALL
NON-EXECUTIVE DIRECTOR

- Over 25 years' experience of senior Board and Management roles + strong history of success with early-stage Biotechnology companies
- Co-founded 3 biotechnology companies successfully achieved 3 FDA drug registrations and 1 FDA/CE Mark medical device approval
- Co-founder of iCeutica Inc group (acquired in 2011 achieving a ten-fold uplift on the valuation) and Dimerix Limited (ASX:DXB)



DR MEGHAN THOMAS
HEAD, CLINICAL DEVELOPMENT

- 15 years experience in basic research, clinical trial design and oversight, regulatory pathways, and product development.
- Previous role as VP Clinical Programs and Operations at Zelira Therapeutics (ASX: ZLD)
- Experience running centralised research ethics and governance system across a state-wide public health service

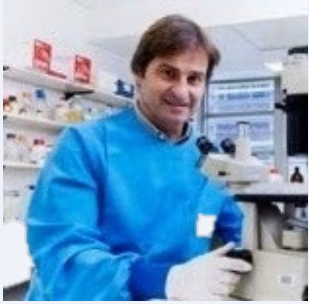


TERRY BUDGE
NON-EXECUTIVE DIRECTOR

- 25 years with National Australia Bank in senior executive roles before serving as managing Director of Bankwest from 1997 to 2004
- Previously a member of the Fundraising Committee of the Perron Institute, and an independent director for Westoz Investment Company (ASX:WIC)



LEADING RESEARCH & CLINICAL TEAM



Prof. Bruno Meloni
CSO & Research Lead

Head of Stroke Laboratory Research at UWA and the Perron Institute. Professor Meloni has over 25 years experience as a research scientist, the last 20 in the field of stroke/cerebral ischaemia. Research in the stroke/cerebral ischaemia field has focused on understanding the mechanisms associated with ischaemic brain injury, the identification of potential neuroprotective targets and the development of new therapies. A/Prof Meloni has experience with designing preclinical stroke trials, and the use of peptides as neuroprotective agents.



Geoffrey Donnan
Member - CAC

Professor of Neurology at The University of Melbourne and former Director of The Florey Institute of Neuroscience and Mental Health. His research interest is clinical stroke management. He was co-founder, with Professor Stephen Davis, of the Australian Stroke Trials Network (ASTN) within which there have been conducted numerous investigator driven and other stroke trials. He was Editor-in-Chief of the International Journal of Stroke and is Past President of the World Stroke Organization.



Dr David Blacker
Chairman - CAC

Acute stroke clinician/neurologist who has previous experience initiating neuroprotection clinical stroke trials in Western Australia and being the local Principal Investigator of a number of national and international acute and secondary prevention stroke studies. Prof Blacker is the Perron Institute Medical Director and consultant neurologist and stroke physician.



Paul Bailey
Member - CAC

Medical Director for St John Ambulance Western Australia. Paul's research focus has been in the areas of out of hospital cardiac arrest, anaphylaxis, emergency department systems and trauma - with 29 papers published in the scientific literature since 2015. Paul and his team are active participants in the WA Stroke Advisory Group - which has transformed the clinical approach to stroke patients in the prehospital environment in WA.



Dr Jeffery Saver
Member - CAC

Dr Saver is Professor and Senior Associate Vice-Chair of Neurology at UCLA, and Director of the UCLA Comprehensive Stroke Centre. He trained at Harvard Medical School, the Harvard-Longwood Neurology Training Program (neurology), the University of Iowa (neurobehavior), and Brown (vascular neurology). Dr Saver's research interests are in acute stroke treatment, stroke prevention, neuroimaging, clinical trial design, and neurocognition consequences of stroke. He has served as the principle investigator on a number of key stroke trials, including the Global PI for the SWIFT PRIME trial.



Tim Phillips
Member - CAC

Dr Tim Phillips is an Interventional Neuroradiologist with 15 years' experience, currently working at the Neurological Intervention and Imaging Service of Western Australia (NIIS WA) and the Perth Children's Hospital. Prior to returning to Perth he undertook post-specialist fellowship training at the Royal Melbourne Hospital, The Royal London Hospital, Queens Hospital Romford, The National Hospital for Neurology and Neurosurgery, and Great Ormond Street Hospital in London.



INVESTMENT HIGHLIGHTS



**25+ PUBLISHED
PAPERS**



**STRONG
BALANCE SHEET**




**PHASE 1 DOSING
COMPLETED**



**MULTIPLE
APPLICATIONS
& PIPELINE**



**ACCESSED
NON-DILUTIVE
FUNDING**



**EXCEPTIONAL
& EXPERIENCED
TEAM + BOARD**



ARGENICA THERAPEUTICS

For further information please contact:

Dr Liz Dallimore

CEO & Managing Director

E: info@argenica.com.au