

Shareholder Update

Developing the next-generation of radiopharmaceuticals to improve treatment outcomes for children and adults with cancer

Dr Alan Taylor, Executive Chairperson Dr Colin Biggin, Chief Executive Officer **13 March 2023**

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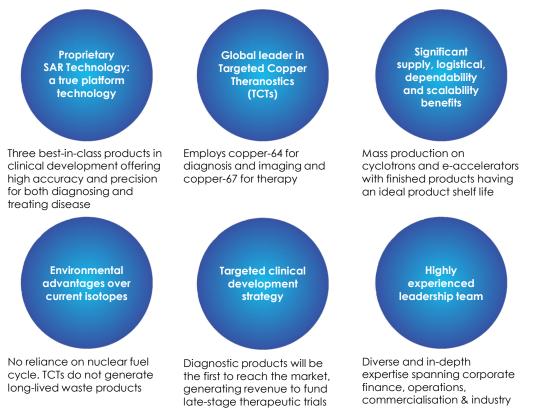
General

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Clarity in a nutshell (ASX:CU6)

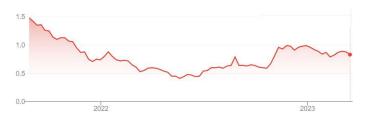
Clarity Pharmaceuticals is a clinical stage radiopharmaceutical company developing next-generation products to address the growing need for better diagnostics and treatments in oncology



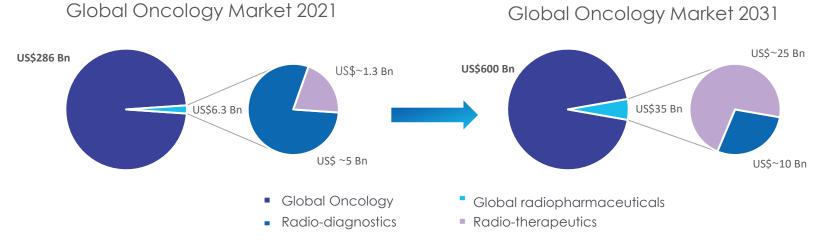
ARITY

ASX Code: CU6

- Share Price: **\$0.88** as at 10 Mar 2023
- Cash at bank: \$75.9M as at 31 Dec 2022
- R&D tax incentive for FY22: ~\$6.7M
- **~\$83M** to fund the existing trials and provide cash runway into 2024
- Shares on issue: 260.3M
- Options on issue: 25.1M
- Market capitalisation: \$229M (undiluted) as at 10 Mar 2023



Radiopharmaceuticals: Market overview



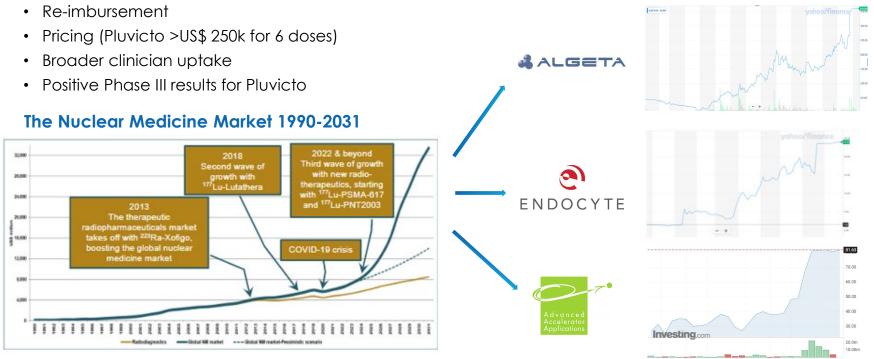
	2021	2031
Global oncology market	US\$ 286 Billion	US\$ >600 Billion
Global radiopharmaceuticals	US\$ 6.3 Billion	US\$ 35 Billion
Radio-diagnostics	US\$ ~5 Billion	US\$ ~10 Billion
Radio-therapeutics	US\$ ~1.3 Billion	US\$ ~25 Billion



Growth drivers

Radiopharmaceuticals have shown significant growth potential both diagnostically and therapeutically and companies similar to Clarity have proven to be very profitable

Positive changes have driven Big Pharma interest in the space



Targeted radiopharmaceuticals are becoming a new pillar of oncology

Radiopharmaceuticals are systemic agents that can be used to diagnose and treat different types of cancer

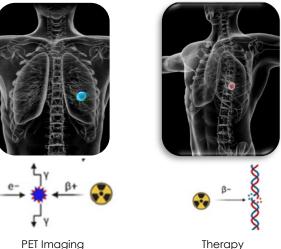
Targeted radiopharmaceuticals use special targeting agents which go to specific receptors on specific cancers. Delivering radiation to the cancer and minimising the off-target effects.

PET diagnostics

- Use positron emitting radionuclides to visualise the location of cancers in the body via PET imaging
- Provides information to clinicians on a broad range of areas including identifying disease, monitoring progression and response to therapy

Recent approved diagnostics:

Pylarify: Q4 22 US sales ~USD160.6M



Beta therapeutics

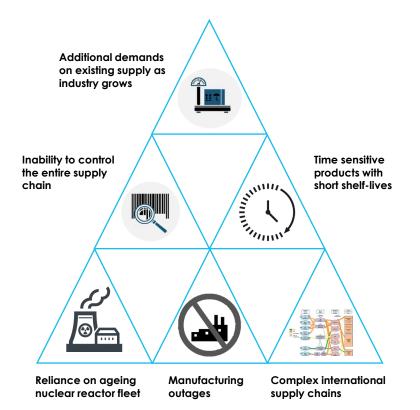
- Use powerful beta emitting radionuclides to damage/kill the cancer cells
- Where therapy is guided by a diagnostic radiopharmaceutical, the term "theranostics" can be used

PET Imaging

Recent approved therapy: Pluvicto: Q4^{*} 22 US sales USD179M



Current industry challenges



Combined with a history of supply issues



21 April 2020

Creates challenges for prescribers

Work to be done to convince oncologists that there is a safe, dependable and reliable source of radiopharmaceutical products.

Without this supply chain, radiopharma may struggle to become a pillar of oncology when its competing with long shelf life oral oncolytics.

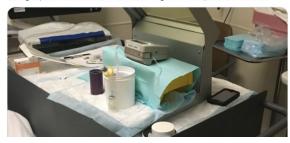


Current industry challenges

...



We had **#PSMARLT** (Pluvicto) patient doses cancelled for the fifth week in a row by @Novartis. Some patients have had their doses cancelled twice in a row. Has anyone else been running into this issue? Never thought production would be the limiting factor for patient access...





Business & Policy Biomarkers Cancer Specialties

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FIERCE Manufacturing Marketing Pharma Vaccines Special Reports Trending Podcasts

- Novartis halts Pluvicto new patient
- starts, struggles with
- radiotherapy's supply amid manufacturing expansion

By Angus Liu • Feb 28, 2023 03:29pm

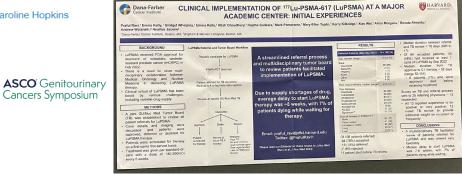
Patients Are Dying Waiting for Pluvicto, but Novartis Can't Make More Pending Facility Approval

🗢 in У Caroline Hopkins

ENDPOINTS in FOCUS

A radioactive prostate cancer therapy is a last lifeline for patients. Novartis can't make enough of it

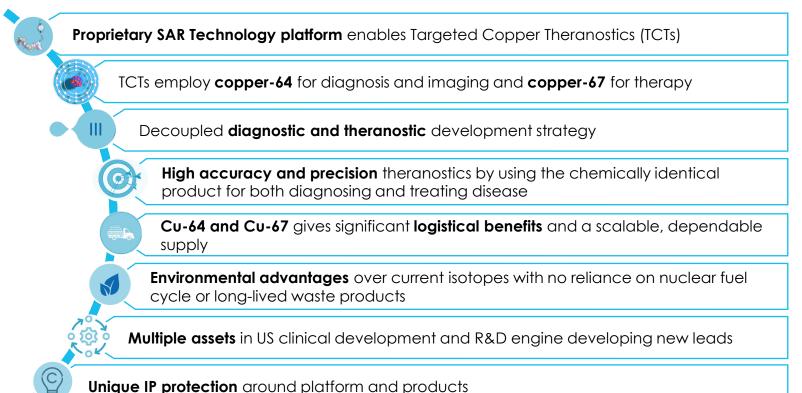
Lei Lei Wu News Reporter





Clarity's TCTs address the current industry challenges

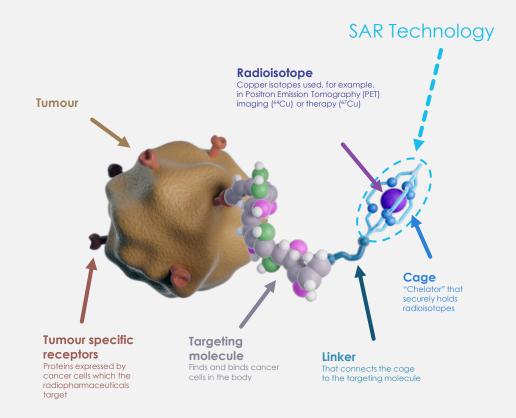
Clarity Pharmaceuticals is a clinical stage radiopharmaceutical company with a mission to develop nextgeneration products that improve treatment outcomes for children and adults with cancer



Proprietary SAR Technology platform

Theranostic radiopharmaceuticals have four main elements: a radioisotope, cage, linker and targeting ligand and are administered intravenously

- SAR Technology is a proprietary, highly specific and highly stable bifunctional cage (chelator) with a superior ability to retain copper isotopes within it and prevent their leakage into the body.
- Unlike the current generation of radiopharmaceuticals, SAR products do not require heating in order to bind copper to the cage.





TCTs: A robust foundation for future growth

Copper-64 (half-life = 12.7 hours)

- Mass produced on cyclotrons
- Every US zip code covered from 1 location
- Patient flexibility with product shelf-life of up to 48 hours
- Operational flexibility with imaging timepoints from 1 to 72 hours
- Delivered as a ready-to-use cGMP product
- 9-22 times lower exposure than commonly used ¹⁸F products
- The ability to centralise capital investments and supply entire continents
- Similar half-life to iodine-123 which is routinely produced centrally

Cu . Ex . A

Copper-67 (half-life = 2.6 days)

- Optimal half-life for peptide-based therapy
- Commercially available high powered rhodotron for mass production with a small footprint
- Scalable with relatively small investments
- Purpose-built supply in the markets of focus, including a US domestic supply
- Only inputs are electricity and Zinc
- No long-lived impurities
- Exclusive supply agreement with NorthStar Medical Isotopes
- A single rhodotron can produce commercial quantities of ⁶⁷Cu
- Similar half-life to yttrium-90, used in SIR-spheres.

Clarity's solution to radiopharmaceutical supply threats

- No time sensitive international supply chains
- No local production requirements (reduced costs and patient safety risk; universal availability)
- Economies of scale from the same manufacturing process
- Ability to quickly integrate new products

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The environmental considerations*

- As the number of patient treatments increases, environmental factors will impact the selection of theranostic radiopharmaceuticals
- Production of ⁶⁴Cu and ⁶⁷Cu has favorable environmental characteristics, significantly reducing the environmental impact compared to the current generation theranostics based on ⁶⁸Ga or ¹⁷⁷Lu
- This is highly relevant considering the forecasted growth of theranostics over the next decade

*Norenberg J et al. Environmental Considerations Resulting from the Increased Use of Theranostics: Advantages of Targeted Copper 11 Theranostics. Journal of Nuclear Medicine June 2022, 63 (supplement 2) 2655.19. https://jnm.snmjournals.org/ content/63/supplement_2/2655

Dual development strategy

SAR Technology enables a synergistic development of stand-alone diagnostics as well as paired theranostics

Diagnostics based on ⁶⁴Cu

• Broad market opportunities

Dx revenue pays for late-stage Tx clinical development

- Address the current supply develo and logistical constraints on the industry
- Provide universal access to diagnostic agents
- Short time to market, provides revenue for later stage therapy development
- Low production and distribution costs shield potential revenues from lost of pass-through-status after 3 years in the US



Marketed Dx reenforces Tx position

Theranostics based on ⁶⁴Cu/⁶⁷Cu

- High precision, high accuracy
- Blockbuster potential for a range of assets
- Easy to scale up
- Domestic US supply
- No reliance on aging nuclear reactors

Diagnostic imaging scan with copper-64



Positive for target



Copper-67 therapy

Negative for target

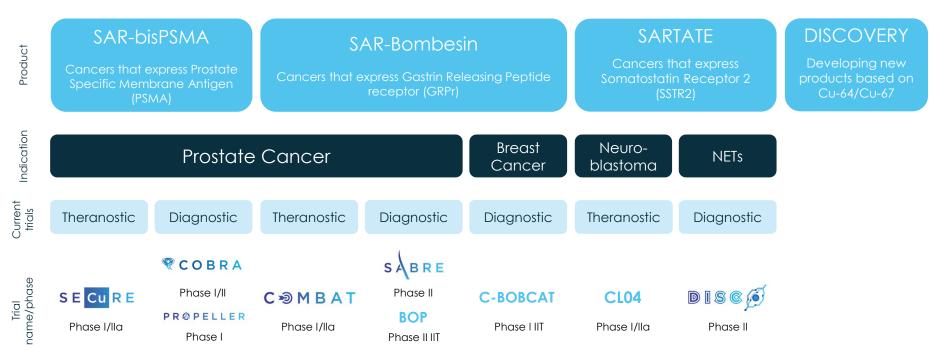


Conventional therapy

Clinical & Regulatory Development

Three core product areas in clinical trials

Clarity has an active clinical development program in multiple oncology indications with unmet needs through a range of products and their applications. The SAR platform is also used in our SAR-DISCOVERY program which has significant synergies with the existing clinical program.



Clinical development in multiple cancers

Clarity's products are progressing through sponsored clinical trials in the US and Australia

Clinical development pipeline as of 13 March 2023

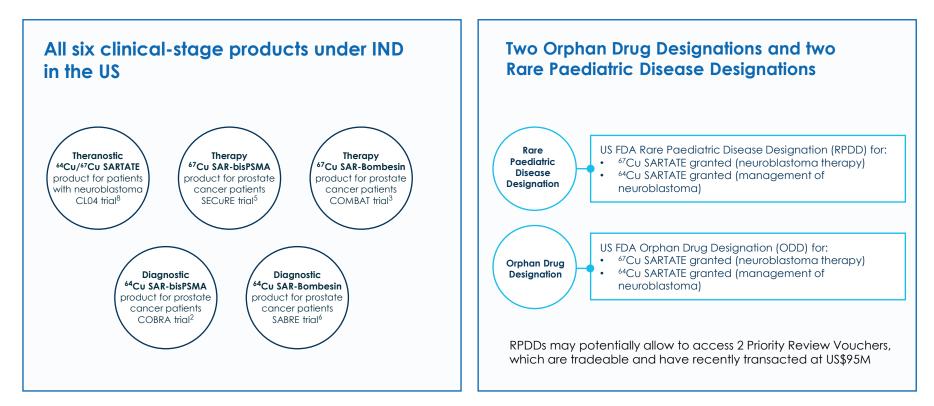
Indication	Product	Application	Current Trial	Discovery	Preclinical	Phase I	Phase 2	Phase 3	Next Milestone
	SAR-bisPSMA	Theranostic mCRPC	S E <mark>Cu</mark> R E						SECuRE cohort 1 recruited
	SAR-bisPSMA	Diagnostic in pre-radical prostatectomy	PR&PELLER		***				Phase III protocol agree
Prostate Cancer	SAR-bisPSMA	Diagnostic in BCR PCa	CO B R A						COBRA top line data
	SAR-BBN	Diagnostic in BCR PCa	SABRE		* :				SABRE 50% recruitment
	SAR-BBN	Theranostic	C >∋ M B A T						Recruitment commenc
Neuroblastoma	SARTATETM	Theranostic	CL04						CL04 cohort 3 complete
NETs	SARTATE™	Diagnostic	DISCÓ		業::		*		DISCO recruitment complete
SAR Discovery	Undisclosed	Undisclosed		*	*				
Platform	Undisclosed	Undisclosed		*					



Note clinical development pipeline is indicative only, subject to review.

Regulatory Overview

Strong focus on the US FDA and first approvals in the US





SAR Therapy

SARTATE in neuroblastoma



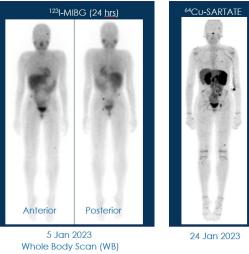
SARTATE CL04: ⁶⁷Cu-SARTATE Peptide Receptor Radionuclide Therapy Administered to Pediatric Patients With High-Risk, Relapsed, Refractory Neuroblastoma

CL04: 64Cu/67Cu SARTATE Phase I/IIa trial in high-risk neuroblastoma in the US with up to 34 patients

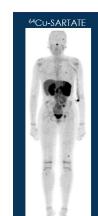
Trial Design

Multi-centre, dose-escalation/dose-expansion, open label, non-randomised, theranostic clinical trial

CL04 patient dosed with 12.4GBa Cu-67 SARTATE in Feb 23

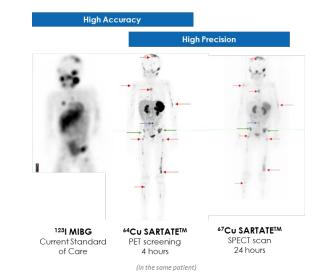


CL04 ClinicalTrials.gov identifier: NCT04023331

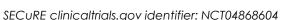


Status

- Cohort 1 complete, no safety issues (3 patients) 75MBg/kg b.w.
- Cohort 2 complete, no safety issues (3 patients) 175MBg/kg b.w.
- Cohort 3 ongoing, no safety issues to date 275MBg/kg b.w.
- Recruiting at multiple sites in the US



SAR-bisPSMA in prostate cancer



SECuRE: Systemic Copper theranostics in prostate cancer

- Phase I/IIa study of ⁶⁴Cu/⁶⁷Cu SAR-bisPSMA for identification and treatment of PSMA-expressing metastatic castrate resistant prostate cancer (mCRPC)
- Dose escalation phase aims to find the highest dose of ⁶⁷Cu SAR-bisPSMA that can be given safely and expand patient numbers at that dose in dose expansion

Trial design

Theranostic multi-centre, single arm, dose escalation study with a cohort expansion planned for up to 44 patients



Status

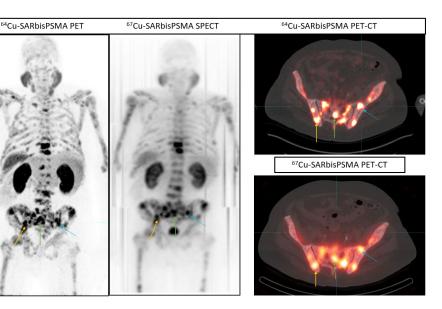
ARITY

- Dosimetry phase with ⁶⁴Cu SAR-bisPSMA in mCRPC completed
- Dose escalation phase underway

Next milestone

Advance to next dose cohort

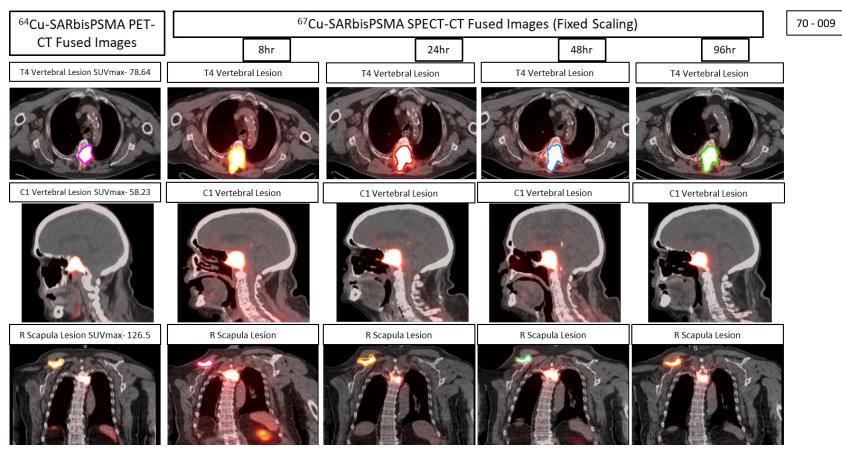
Comparison of ⁶⁴Cu SAR-bisPSMA and ⁶⁷Cu SAR-bisPSMA in Patient 70-008





70 - 008

Images: Cohort 1 (4GBq dosage level)





SECURE

SAR-Bombesin in prostate cancer

GRPr is a receptor that is overexpressed in a number of cancers including prostate, breast, colon, gastric, glioma, pancreatic, small cell lung and non-small cell lung cancer, as well as renal cell cancer

SAR-Bombesin was able to locate tumours in PSMA-negative prostate cancers that are not visible with approved PSMA diagnostics

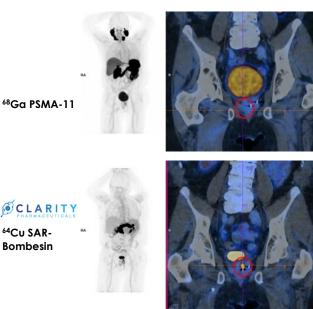
⁶⁸Ga PSMA-11

CLARITY

64Cu SAR-

Bombesin

- 75%-100% of prostate cancers express GRPr
- ~20% of prostate cancer patients do not express PSMA
- PSMA negative prostate cancer patients will not respond to PSMA imaging or therapy
- SAR-Bombesin is now under investigation as a theranostic as well as a stand-alone diagnostic imaging agent for PSMAnegative prostate cancer



 ^{68}Ga PSMA-11 (top) images of a PSMA-negative patient with clinical signs of prostate cancer (a rising PSA score of 0.16 ng/mL) and ^{64}Cu SAR-Bombesin PET/CT images of the same patient (bottom)





⁶⁸Ga PSMA-11 (top) image of a PSMA-negative patient with history of prostate cancer (a rising PSA score of 25 ng/mL) and ⁶⁴Cu SAR-Bombesin PET/CT image of the same patient (bottom)



⁶⁷Cu SAR-Bombesin in prostate cancer

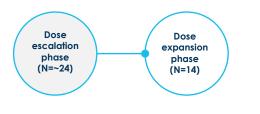
C 🔊 M B A T

COMBAT: Copper-67 SAR Bombesin in metastatic castrate resistant prostate cancer

 A Phase I/IIa theranostic study of ⁶⁴Cu-SAR-BBN and ⁶⁷Cu-SAR-BBN for identification and treatment of GRPR-expressing metastatic castrate resistant prostate cancer in patients who are ineligible for therapy with ¹⁷⁷Lu-PSMA-617

Trial design

Theranostic multi-centre, single arm, dose escalation study with a cohort expansion planned for up to 38 patients

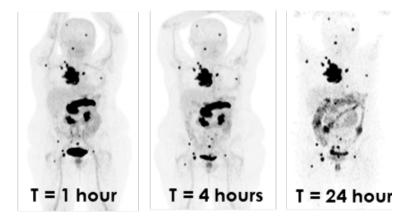


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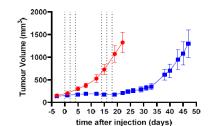
• Currently on track for 1st patient in Q2 23

64Cu SAR-BBN in C-BOBCAT study

⁶⁴Cu SAR-Bombesin is retained in the tumours while quickly clearing from the pancreas in hormone positive metastatic breast cancer



Efficacy of Cu SAR-Bombesin in a mouse model of prostate cancer



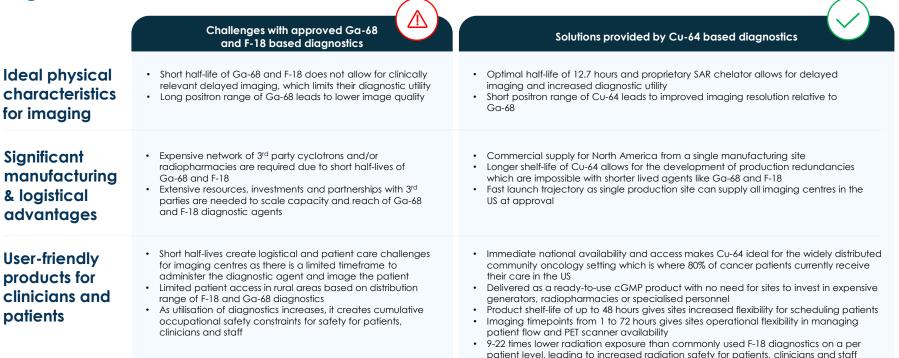
- Control group
- ⁶⁷Cu-SAR-Bombesin treated group

⁶⁷Cu SAR-Bombesin has demonstrated an antitumour effect in preclinical models of prostate cancer, when compared to the control group



SAR Diagnostics

Cu-64 will become the isotope of choice for PET imaging by overcoming the clinical and operational challenges with Ga-68 and F-18 based diagnostics



SAR-bisPSMA diagnostic development

Two Phase III trials required for registration in prostate cancer: one in the pre-definitive treatment and one in the biochemical recurrence (BCR) setting. Clarity is expecting to commence registrational trials in 2023.

PR & PELLER

Pre-definitive treatment

- Phase I multi-centre, blinded review, dose ranging, non-randomised study in 30 patients
- FIH study performed in Australia
- Results at ASCO GU

Biochemical recurrence

- Phase I/II multi-centre, single arm, nonrandomised study in up to 50 patient
- Performed under IND in the USA
- Recruitment complete, patients in 6M follow up

• Initiating Phase III study in the US during 2023

Anticipate Initiating Phase III study in the US
during 2024

PSMA diagnostics are set to become a blockbuster market with >\$1.6B in the US



Positron Emission Tomography of Patients with Confirmed Prostate Cancer Using ⁶⁴Cu-SAR-bisPSMA: results from PROPELLER

Eva Lengyelova¹, Veronica Wong², Nat Lenzo³, Michelle Parker¹, Louise Emmett⁴

Background

Prostate-Specific Membrane Antigen (PSMA) is a type II transmembrane glycoprotein that is overexpressed in prostate cancer (PC).

Advantages of 44Cu-SAR-bisPSMA over 48Ga-PSMA-11 PET:

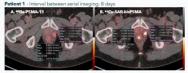
- · the targeting molety has two PSMA-targeting functional groups which can lead to improved tumor uptake and retention;
- the copper-64 (⁴⁴Cu) isotope has a longer half-life (t_{1/2}: 12.7h), allowing a 1-72h scan acquisition window, longer shelf-life, greater flexibility for patient scheduling and may translate into detection of additional lesions; and
- ⁴⁴Cu has a shorter positron range (0.56mm); leading to improved scan resolution.

PROPELLER (NCT04839367) was a Phase 1, multi-center, blinded review, dose-ranging study evaluating safety and preliminary efficacy of 44Cu-SAR-bisPSMA PET in patients with known primary PC.

- The aim of PROPELLER was to:
- · determine the safety and tolerability of MCu-SAR-bisPSMA;
- determine the ability of ⁴⁴Cu-SAR-bisPSMA PET to detect primary PC;
- assess image quality at 100, 150 and 200 MBq dosages of ^{ca}Cu-SAR-bisPSMA; and explore how ⁴⁴Cu-SAR-bisPSMA compares to ⁴⁰Ga-PSMA-11 PET,
- a standard-of- care (SOC) radiotracer for imaging of PSMA-positive lesions in PC.

Imaging results

Figure 1. Intra-individual comparison of 44Ga-PSMA-11 (A,C) and 200 MBg of 44Cu-SAR-bisPSMA (B,D) PET/CT.



Patient 2 - Interval between serial imaging: 34 days



44Cu-SAR-bisPSMA shows clearer delineation of lesions and higher SUVmax.

Figure 3. Primary PC PET results in the 200 MBg Dose Cohort (n=18)

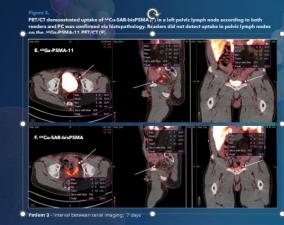


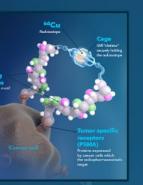
PR PELLER

Phase 1 multi-center diagnostic trial

⁶⁴Cu-SAR-bisPSMA

A new frontier for prostate cancer imaging that is safe and efficacious for the detection of primary and secondary disease







Me

thods	Prospectively, 30 patients with untreated, <u>histopethologically</u> proven, primary PC with intermediate- to high-risk features were included in the study.
Screening Ga-PSMA-11	At screening, patients completed a ⁴⁴ Ga-PSMA-11 PET/CT between 45-60min post injection per SOC protocols.
PET/CT	Patients were dosed 1:1:3 with 100 MBq, 150 MBq
4Cu-SAR- buPSMA PET/CT	and 200 MBq of 44Cu-SAR-bisPSMA, followed by a PET/CT at 2-4h post injection.
-	Safety was evaluated pre and post dose for up to 11 weeks via adverse event (AE) reporting, vital signs, electrocardiograms, blood and urine analysis.

SUVmax compared to #Ga-PSMA-11 (Figure 1). Additional secondary disease, in a pelvic lymph node, was detected on 44Cu-SAR-bisPSMA PET/CT compared to #Ga-PSMA-11 PET/CT and verified

by histopathology (Figure 2),

Conclusions

with untreated.

48Ga-PSMA-11 and 44Cu-SAR-bisPSMA PET/CT scans were

quality, PC detection and intensity of tracer uptake in lesions

evaluated by 2 independent, blinded, central readers for image

(maximum Standardized Uptake Values (SUVmax)). Patients then

proceeded to prostatectomy with pelvic lymph node dissection

Table 1. Demographics and Baseline Characteristics (n=30)

Corresponding Author: Louise Emmett@mba.org.au

Median (range) Age (years)	64 (5	64 (50 to 75)		
TNM Stage	Unknown	2(6.7%)		
	T1a	1 (3.3%)		
	T1c	3 (10.0%)		
	T2a	7 (23.3%)		
	T2b .	5 (16.7%)		
	T2c	9 (30.0%)		
	T3a	3 [10/0%]		
	T3b	1 (3.3%)		
	ND	28 (93.3%)		
ISUP Grade	2	3 (10.0%)		
Group	3	12 (40.0%)		
	4	7 (23.3%)		
	5	8 (26.7%)		
Mean (SD) PSA	10.49 (8.08)			

Table 2. Incidence of Treatment-Related AEs (n=30)

**Cu-SAR-bisPSMA was well tolerated with only a	4Cu-SAR-bisPSMA	Related Adverse Events n (%)
single related AE of Grade 1 dysgeusia (metallic taste)	100 MBq (n=6)	0(0.0%)
reported in the 200 MBq cohort (Table 2).	150 MBq (==6)	0(0.0%)
Interval between 47Ga-PSMA-11 and 44Cu-SAR-	200 MBq (n=18)	1 (5.6%)
bisPSMA PET/CT scans was 2-50 days (median 20.5).	All Destatements in 201	1 (3 3 8 3

Table 3. Primary PC PET results in the 200 MBq Dose Cohort (n=18)

Reader	44C	u-SAR-bisP	SMA PET	44Ga-PSMA-11 PET			
Reader	Positive	Negative	Indeterminate	Positive	Negative	Indeterminate	
	18/18	0/18	0/18	14/18	0/18	4/18	
	12/14*	0/14*	-2/14*	15/18	0/18	3/18	

4 scans were excluded by the reader deeming them non-evaluable

Table 4. Detection of Primary PC in the 200 MBg Dose Cohort (n=18)

	44Cu-SAR-bi	SPSMA PET	44Ga-PSM		
Reader	% TPR (95% CD)	% FNR* (95% CI)	% TPR (95% CI)	% FNR (95% CI)	
	100.0 (81.5; 100.0)	0.0 (0.0; 18.5)	77.8 (52.4; 93.6)	22.2 (6.4; 47.6)	0.13
	85.7 (57.2: 98.2)	14.3 (1.8: 42.8)	83.3 (58.6: 96.4)	16.7 (3.6: 41.4)	1.0

datacretrata canado seas analoned as narration McNemer's Chi-squared test with continuity correction

⁶⁴Cu-SAR-bisPSMA, a new candidate for PC imaging, is shown to be safe, well-tolerated and efficacious for imaging PSMA-expressing lesions.

A dose of 200 MBg was determined as the optimal dose for future trials. Further studies to evaluate 64Cu-SAR-bisPSMA as an imaging agent in biochemical recurrence of PC are underway.



SAR-bisPSMA diagnostic in untreated, confirmed prostate cancer

P R ⁽²⁾ P E L L E R

Comparison of 68Ga PSMA-11 (image left) to Clarity's 64Cu SAR-bisPSMA (image right) in the same patient

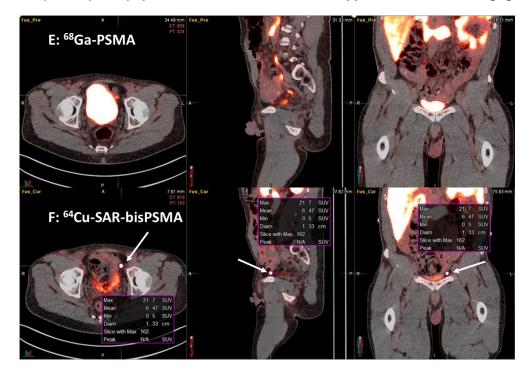


⁶⁸Ga PSMA-11 (~200MBq, left) vs. ⁶⁴Cu SAR-bisPSMA (~200MBq, right) in the same patient; time between serial imaging was 8 days. Standardised Uptake Value (SUVmax)* of the lesions were 6.5 and 6.3 for ⁶⁸Ga PSMA-11 and 16.5 and 18.5 for ⁶⁴Cu SAR-bisPSMA.



SAR-bisPSMA diagnostic in untreated, confirmed prostate cancer

PET/CT demonstrated uptake of ⁶⁴Cu-SAR-bisPSMA (F) in a left pelvic lymph node according to both readers and PC was confirmed via histopathology. Readers did not detect uptake in pelvic lymph nodes on the ⁶⁸Ga-PSMA-11 PET/CT (E). Time between serial imaging was 7 days.





SAR-bisPSMA diagnostics



COBRA: Copper-64 SAR-bisPSMA in BCR prostate cancer

- Phase I/II multi-centre, single arm, non-randomised study in up to 50 patients across the US
- Investigates the safety and tolerability of ⁶⁴Cu-SAR-bisPSMA as well as its ability to correctly detect recurrence of prostate cancer in participants with BCR of prostate cancer following definitive therapy

Trial design

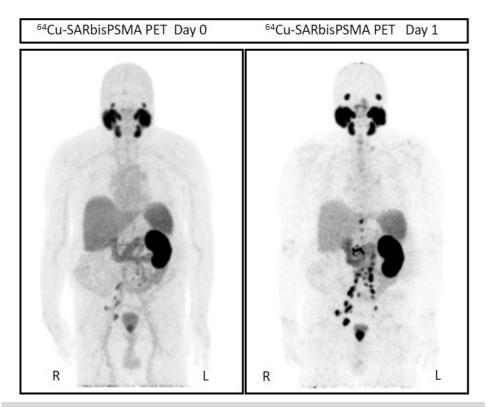


Status

Recruitment complete 09 February 2023

Next milestone

6 month follow up Topline results and data readout



Local assessment reported additional lesions on Day 1 compared to Day 0. Histopathology performed on one lesion returned a positive result for PC. Central review against Standard of Truth has not yet been carried out.



COBRA clinicaltrials.gov identifier: NCT05249127

SAR-Bombesin in PSMA-negative prostate cancer

SABRE: Copper-64 SAR-BBN in Biochemical Recurrence of prostate cancer

- **Phase II** Positron Emission Tomography (PET) imaging trial of participants with PSMA-negative biochemical recurrence (BCR) of prostate cancer following definitive therapy.
- The primary objectives of the trial are to investigate the safety and tolerability of the product as well as its ability to correctly detect recurrence of PSMA-negative prostate cancer.

Trial design

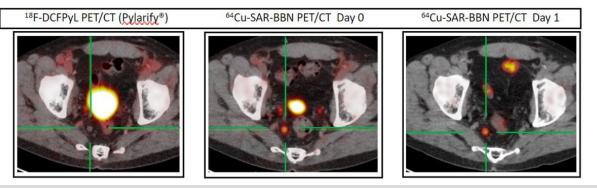
Multi-centre, single arm, non-randomised, open-label trial of ⁶⁴Culabelled SAR-Bombesin in 50 participants.

Status

• Recruitment ongoing in the US

Next Milestone

50% recruitment in Q2 2023



Single pelvic lymph node uptake seen on ⁶⁴Cu SAR-BBN on both Day 0 and Day 1. Participant has been referred for biopsy, results pending. Participant has entered the follow-up period per protocol.



BRE

SAR-Bombesin in PSMA-negative prostate cancer

BOP IIT: Copper-64 SAR Bombesin in Prostate Specific Membrane Antigen (PSMA) negative Prostate Cancer

- Assesses the safety of ⁶⁴Cu-SAR-Bombesin and looks at the diagnostic potential across two different groups of men:
- Participants with suspected biochemical recurrence (BCR) of their prostate cancer who have negative PSMA positron emission tomography (PET) imaging scans or low PSMA expression disease
- Participants with metastatic castrate resistant prostate cancer (mCRPC) who are not eligible for PSMA therapy

Trial design

• Phase II investigator-initiated trial (IIT) led by Prof Louise Emmett at St Vincent's Hospital, Sydney

Status

• 50% recruited as of 02/11/22

Next Milestone

• 100% recruitment in Q3 2023



BOP

SARTATE



DISCO: Diagnostic Imaging Study of Copper-64 SARTATE using PET on patients with known or suspected NETs

- Assesses the performance of imaging agent ⁶⁴Cu SARTATE in participants with known or suspected gastroenteropancreatic NETs as a potential new way to help diagnose and manage NETs
- Aims to capture and highlight the significant advantages of the longer half-life (12.7 hours) of copper-64, related to imaging and product supply which are relevant to Clarity's entire pipeline of products in development

Trial design

- Phase II multi-centre, single arm, non-randomised, blinded-review study in up to 63 participants
- Compares diagnostic performance of ⁶⁴Cu SARTATE at 4 and 20 hours to the current standard of care, ⁶⁸Ga DOTATATE, at 1 hour

Status

• Recruitment at 50% in Feb 2023

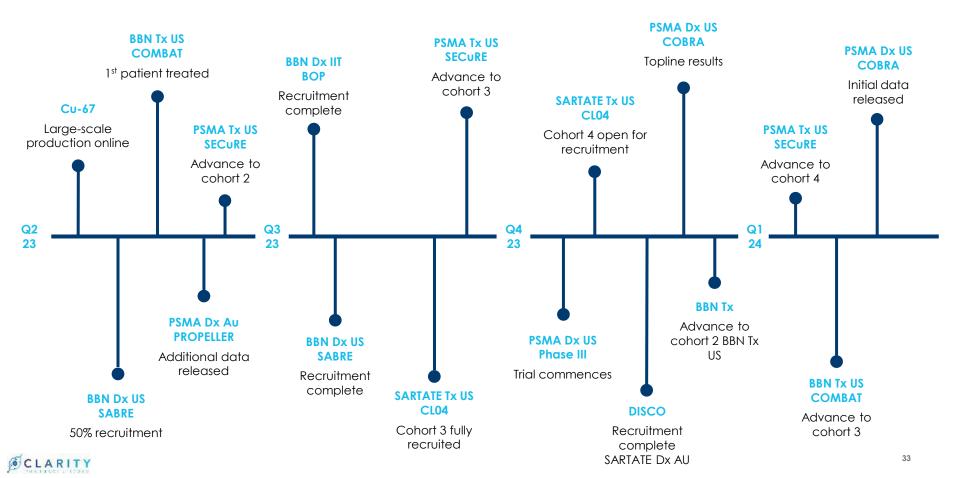


Local assessment has reported a higher number of lesions on ⁶⁴Cu-SARTATE compared to ⁶⁸Ga-DOTATATE. Interval between scans was 1 day.



Inflection points in the next 12 months

Dx = Diagnostics Tx = Theranostics



Robust IP driving the Discovery program

Clarity's proprietary SAR Technology platform can be used in conjunction with any number of targeting ligands to create new products and new IP

Broad Patent Portfolio

Platform Protection

 Granted and new chelator patents used in further developing lead and back-up products

Product Protection

- Maintenance of pending applications for potential continuation or divisional filings on existing important patents
- New patents filed on lead and back-up compounds

Pipeline Protection

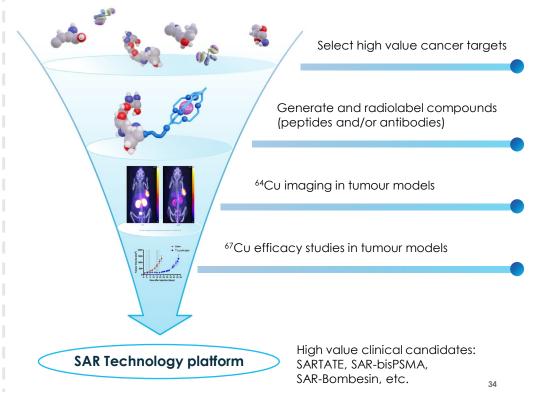
ARITY

- New chelator patents used in future discovery products
- New patents filed on novel treatment regimes for radiopharmaceutical applications

Manufacturing & Process Protection

- Manufacturing and formulation patents
- New patents filed on manufacturing processes

Discovery Engine



Highly experienced team



Dr Alan Taylor Executive Chairman



Shaemus Gleason EVP - Operations



Dr Jeff Norenberg Chief Scientific Officer



Dr Colin Biggin CEO



Dr Jennifer Rosenthal Director of Quality & Regulatory Affairs



Robert Vickery Company Secretary



Michelle Parker EVP – Global Clinical Operations



Dr Matt Harris Director of Technology



David Green Chief Financial Officer

Clarity's management team has a diverse and in-depth level of expertise spanning corporate finance, management, operations, commercialisation and industry

- Development, approval and launch of 1st approved radiopharmaceutical therapy product for prostate cancer (Xofigo)
- Decades of experience spanning across science, nuclear medicine/PET, and pharmaceutical industries
- Investment banking experience focused on the life sciences sector



Board of Directors

Clarity's board has extensive capital markets, radiopharmaceutical and broader life sciences experience

Dr Alan Taylor Executive Chairman



Rosanne Robinson Non-Executive Director





Dr Ramdahl is a pharmaceutical executive with over 20 years of clinical and development experience. He was President and the first CEO of Algeta ASA, serving in several senior positions through to and post the acquisition of Algeta by Bayer AG in 2014 for US\$2.9 billion.

Dr Thomas Ramdahl

Non-Executive Director

Cheryl Maley Non-Executive Director



Ms Maley is an experienced senior leader with over 25 years of experience in the pharmaceutical industry. She has a strong strategic, commercial background with a proven track record in product launch excellence and timely patient access to innovative medicines.

Dr Colin Biggin Managing Director



Dr Chris Roberts Non-Executive Director

> Dr Roberts has over 40 years of experience in the medical innovation space and has served on the boards of a number of ASX-listed companies during his career.

Mr Robert Thomas Non-Executive Director



Mr Thomas has a strong background in financial services and capital markets including advising on the IPOs of the Commonwealth Bank of Australia and Qantas.

Clarity's Advisory Board

Clarity's advisory board comprises global thought leaders with extensive capabilities, expertise and experience in developing radiopharmaceuticals



Prof Oliver Sartor

Medical oncologist and an internationally recognised expert in prostate cancer. He is the Laborde Professor for Cancer Research, Medical Director of the Tulane Cancer Center, and Assistant Dean for Oncology at Tulane University School of Medicine in New Orleans, Louisiana.



Prof Richard Wahl

The Elizabeth Mallinckrodt Professor, Chairman of the Department of Radiology and Director of the Mallinckrodt Institute of Radiology at Washington University School of Medicine in St Louis.



Prof Jason Lewis

The Emily Tow Jackson Chair in Oncology and serves as Vice Chair for Research in the Department of Radiology at Memorial Sloan Kettering Cancer Center (MSK), Chief of MSK's Radiochemistry & Imaging Sciences Service, and Director of MSK's Radiochemistry and Molecular Imaging Probe Core Facility.



Prof Andreas Kjaer

A professor at the University of Copenhagen and a chief physician at the Department of Clinical Physiology, Nuclear Medicine & PET at Rigshospitalet, the National University Hospital of Denmark.



Dr Andrei lagaru

An award-winning Professor of Radiology - Nuclear Medicine and the Chief of the Division of Nuclear Medicine and Molecular Imaging at Stanford University. His research focus includes PET/MRI and PET/CT imaging for early cancer detection as well as peptide-based diagnostic imaging and therapy.



Dr Neal Shore

CMO of Urology/Surgical Oncology at GenesisCare, US and the Medical Director of Carolina Urologic Research Centre. He has conducted more than 400 clinical trials with a particular focus on GU oncology indications and is an internationally recognised expert and researcher in systemic therapies for patients with advanced urologic cancers.



Prof Paul Donnelly

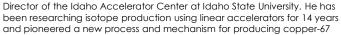
The Clarity Group leader of the Donnelly Research Group, The University of Melbourne, based in the state-of-art laboratories of the Bio21 Institute of Molecular Science and Biotechnology.



Prof Louise Emmett

Director of Theranostics and Nuclear Medicine at St Vincent's Hospital Sydney, a conjoint professor of medicine at the University of New South Wales and clinical research leader at the Garvan Institute of Medical Research.

Jon Stoner



CLARITY

Summary

Global leader in Targeted Copper Theranostics (TCTs)

- Extensive pipeline of TCTs based on ⁶⁴Cu for diagnosis and ⁶⁷Cu for therapy
- Seven clinical trials and an IIT in development with Phase III clinical trials commencing from 2023
- TCTs address the current **manufacturing and logistical** limitations in the growth of radiopharmaceuticals
- TCTs are scalable, sustainable and dependable
- **Broad and defensible IP portfolio** of patent families across the SAR Technology platform, pipeline and products
- Pipeline includes large and orphan indications, with **focus on the US for first approvals**
- Well funded with **~\$83 million** to fund the existing trials and provide cash runway into 2024
- Led by **an experienced management team and Board** with significant years of active involvement in the radiopharmaceutical industry
- Hot sector of the market with numerous recent acquisitions.





Thank you

Contact details

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Dr Colin Biggin

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