



BELL POTTER HEALTHCARE CONFERENCE 2023



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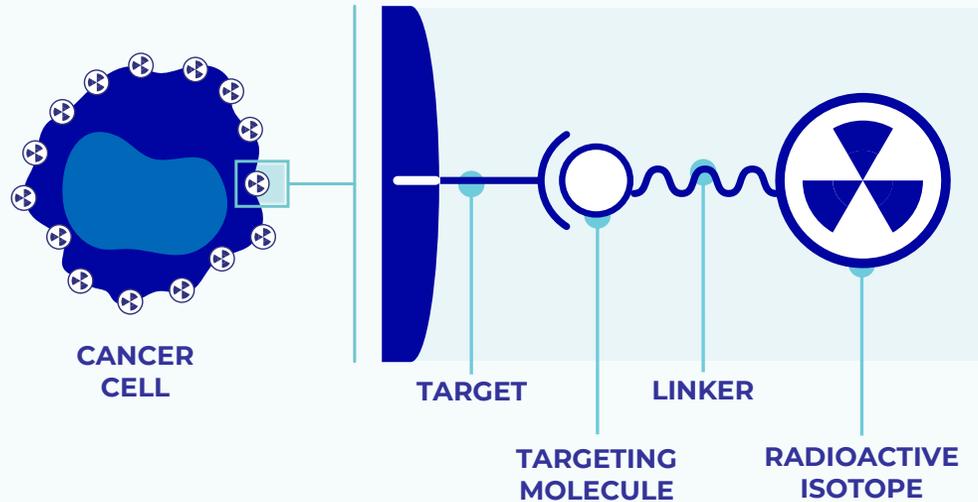
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RADIOPHARMACEUTICALS DELIVER RADIATION THERAPY DIRECTLY TO CANCER CELLS



Building Blocks of Radiopharmaceuticals

- TARGETING MOLECULE**
High affinity, specific to cancer cells
small molecule, peptide or antibody
- RADIOACTIVE ISOTOPE**
Imaging Isotope to **SEE** the Cancer Cells
Therapeutic Isotope to **TREAT** Cancer
- LINKER**
Joins Targeting Molecule and Radioactive Isotope

Imaging

SEE and measure disease
with radioactive isotopes

Imaging compounds specifically deliver radioactive isotopes to detect and image cancer cells

Therapeutics

TREAT cancer with high
energy particle emitters

Extreme selectivity to cancer cells while
limiting damage to healthy tissues

SECTOR EXCITEMENT DRIVEN BY FDA-APPROVED RADIOPHARMACEUTICAL DRUGS BEATING EXPECTATIONS

Prostate Cancer Imaging

Combined analysts' peak sales consensus for:

Pylarify, Illucix
~\$1,5B in 2024

FDA approved in 2021

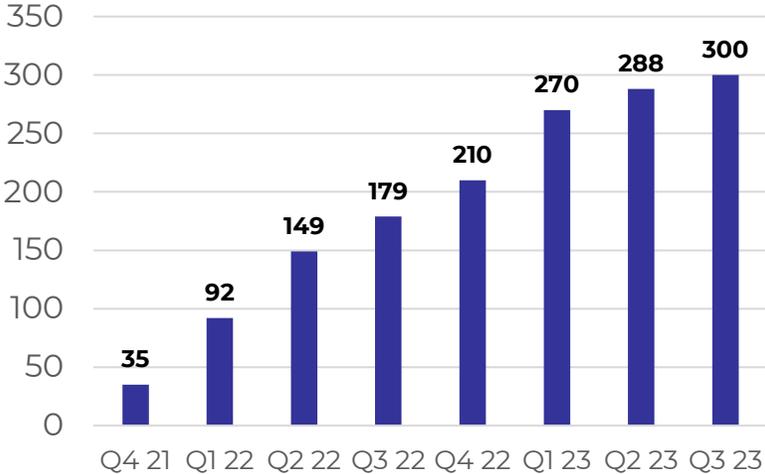
Prostate Cancer Therapeutic

Analysts' peak sales consensus for:

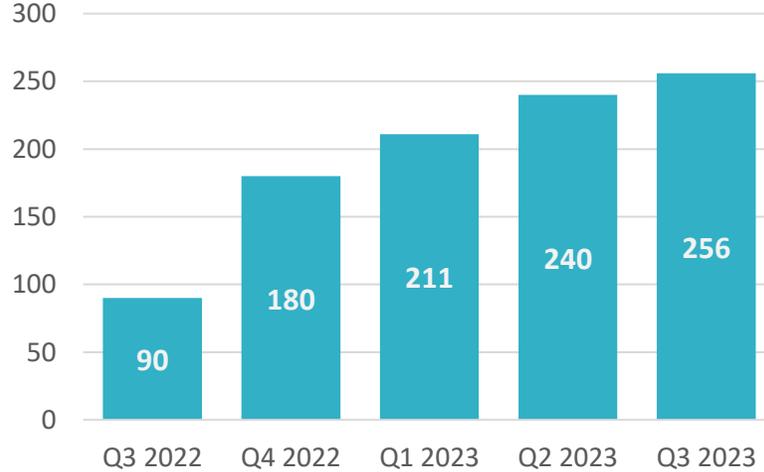
Pluvicto
\$3.0B in 2029

FDA approved in 2022

USD\$m – quarterly sales – Pylarify + Illucix



USD\$m – quarterly sales – Pluvicto



COMPANY VISION & STRATEGY

SUCCESSFULLY FIGHT CANCER THROUGH INNOVATIVE RADIOPHARMACEUTICAL THERAPIES



Unique Business Model

- High resource allocation to R&D
- Low resource allocation to G&A – small team of 11 FTE.
- Expanded partnerships and strategic alliances



Intellectual Property

- Extensive Patient portfolio for targets through 2040



Differentiated Targeting Molecules

- Radiopharm is in a unique space where other radiopharmaceutical companies are not known to be focused
- Proprietary molecules designed to identify and attack a broad range of malignancies



Deep Expertise in Radiopharmaceuticals

- All team members with previous Imaging or Therapeutic radiopharmaceutical experience
- Extensive team of accredited multinational researchers

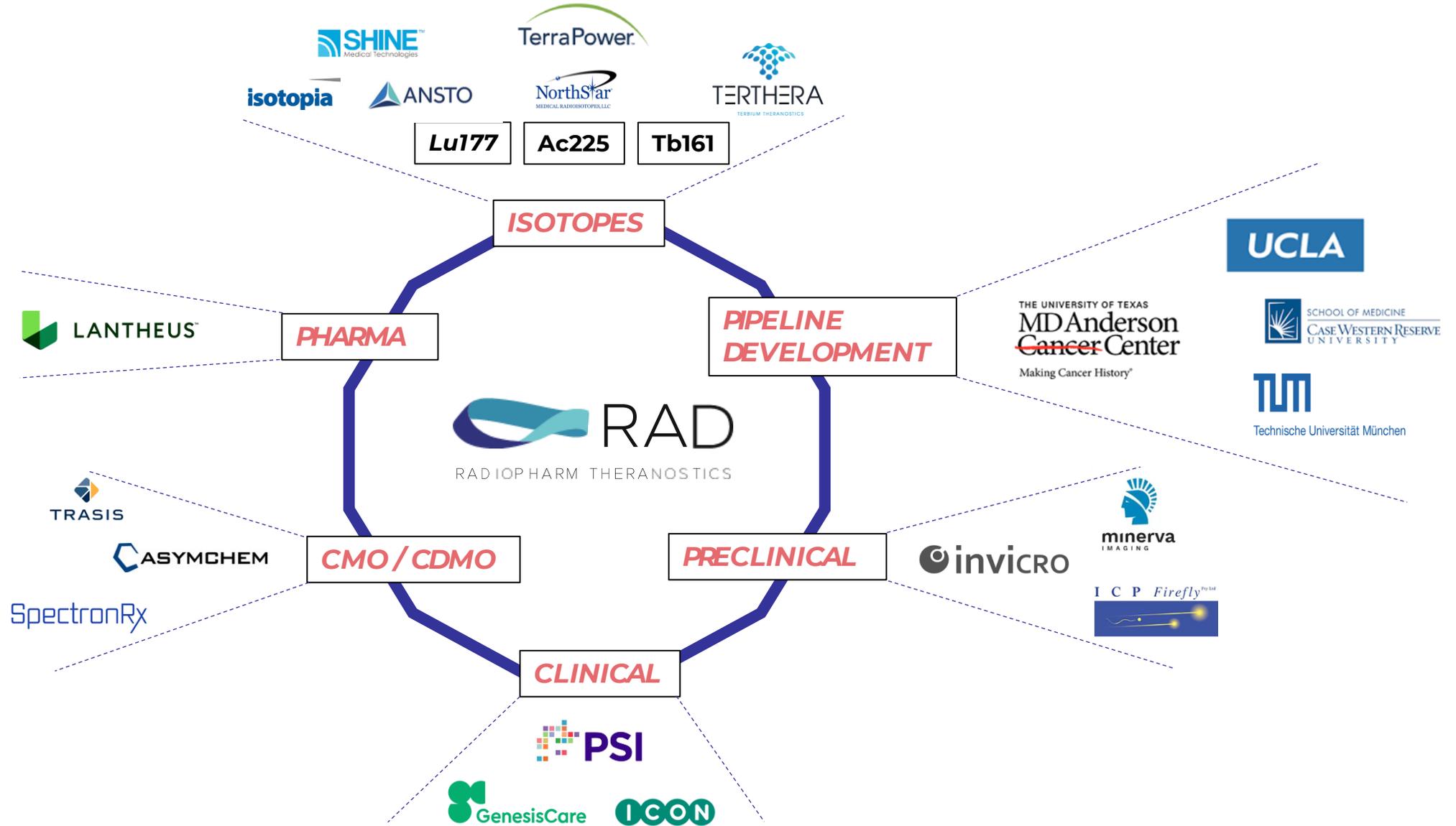


Timely, Accurate & Rich News Flow Expected in the Next 6-12 Months

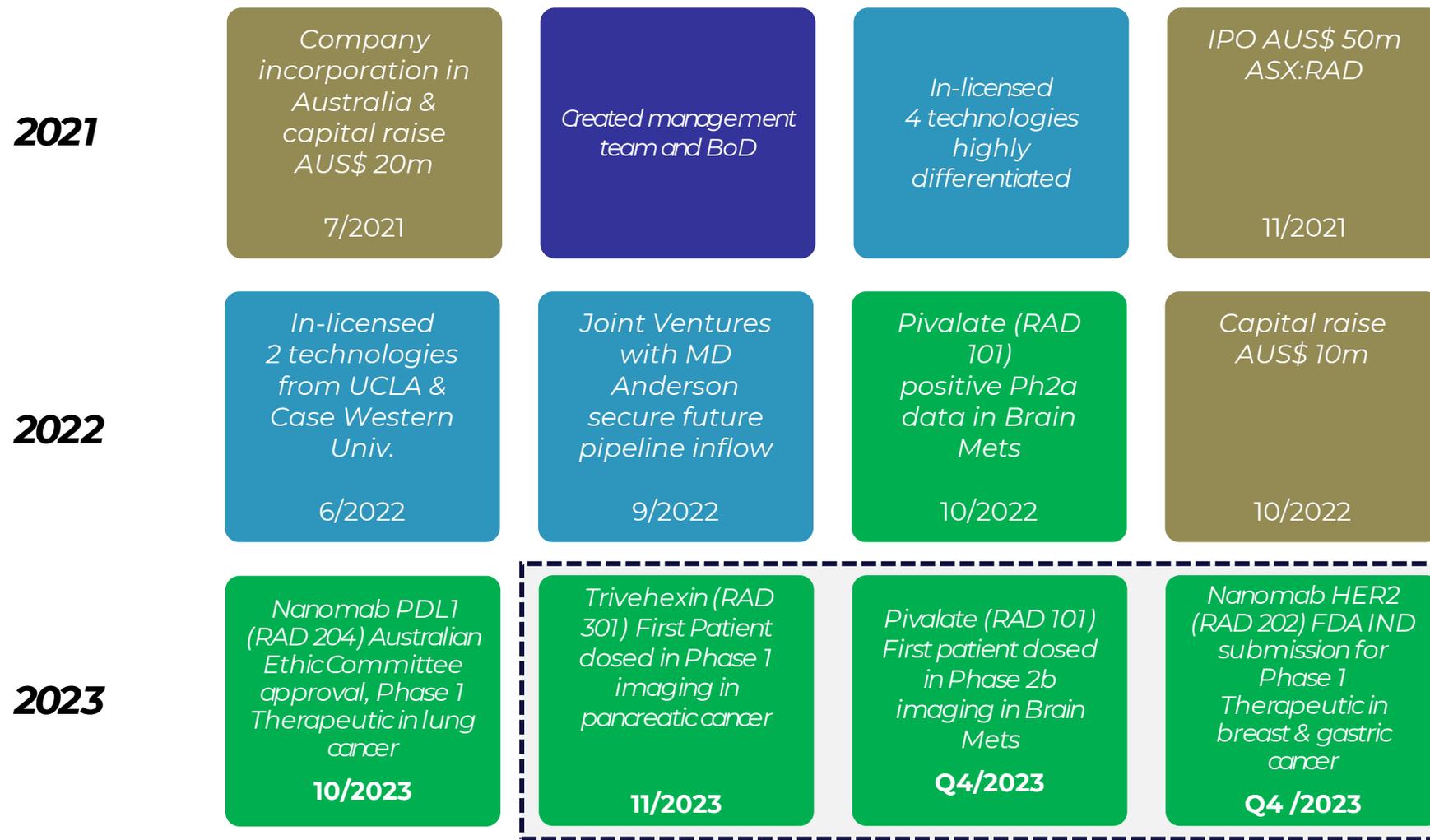
- Transitioning four different molecules from pre-clinical to clinical stage

EXPANDED PARTNERSHIPS & STRATEGIC ALLIANCES

- *UNIQUE BUSINESS MODEL: LOW CAPITAL INTENSITY, FLEXIBLE RESOURCE ALLOCATION*



TRANSITION FROM PRECLINICAL TO CLINICAL STAGE COMPANY IN ONLY TWO YEARS

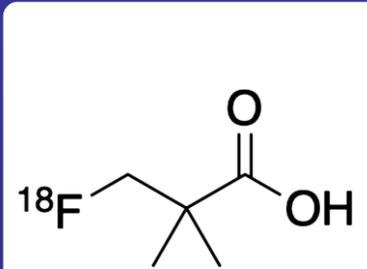
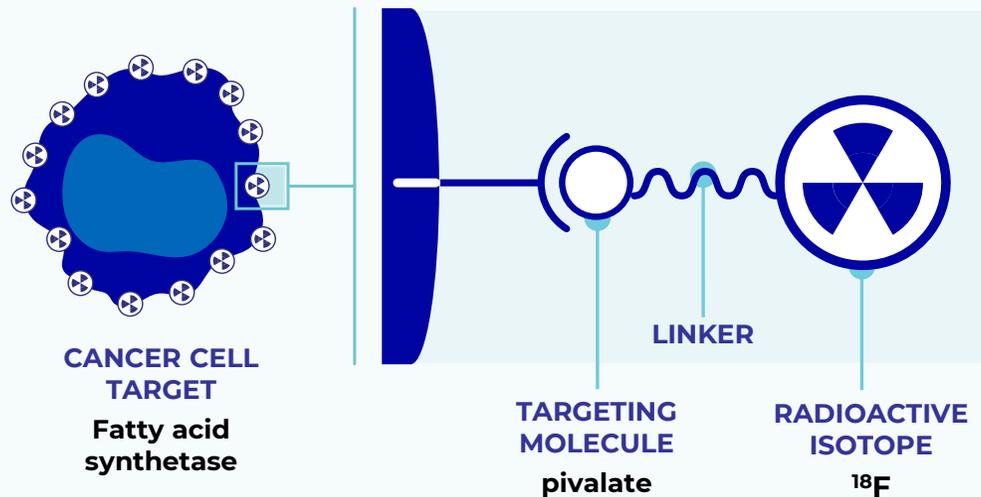


■ Clinical Milestones
 ■ Management Team
 ■ Capital
 ■ Portfolio
 □ Upcoming expected catalyst

PORTFOLIO PRIORITIES – Two Imaging & Two Therapeutics

RAD CODE	MOLECULE & TARGET	INDICATION	ISOTOPE	PRECLINICAL	PHASE I	PHASE II _A	PHASE II _B	PHASE III	NOTES
				IMAGING					
RAD101	Pivalate (Fatty Acid Synthetase)	BRAIN METS	F18						Phase 2b first patient expected in Q4 IND approval after USA Tech transfer completion in Q4
RAD301	Trivehexin ($\alpha V\beta 6$ Integrin)	PANCREATIC	Ga68						ODD received May 2023 FDA IND received 9 patient Ph 1 trial: first patient expected in November, last patient by Dec 2023
				THERAPEUTIC					
RAD204	Sd mAb (PD-L1)	NSCLC	Lu177						Australian Ethics approval received 10/2023. First patient in Q4
RAD 202	Sd mAb (HER 2)	BREAST GASTRIC	Lu177						FDA IND submission in Q4, first patient in Q1 2024

RAD 101 Imaging: F18-PIVALATE



F18-PIVALATE

Selectively targets fatty acid synthetase which is overexpressed in tumours but not normal brain cells

BRAND VISION:

BECOME THE LEADING PET AGENT FOR IMAGING BRAIN METASTASIS

- 300,000 new patients every year in USA only
- MRI current standard of care, but has limitations in patient post surgery or post stereotactic radiation surgery (pseudo-progression)

RAD 101 Imaging: F18-PIVALATE

CLINICAL DEVELOPMENT & REGULATORY STRATEGY

- Ongoing Tech transfer from UK to USA. IND approval after Tech transfer finalized
- 21 months to complete late-stage development (Phase IIb + Phase III)
- ~30 months to anticipated NDA Approval and first commercial sales
- USD 364m peak yearly sales potential (Jones Group independent report)
- Only 1 expected competitor: Axumin (Bracco) currently in Phase III

PRECLINICAL	PHASE I	PHASE IIa	PHASE 2b	PHASE 3	APPROVAL & COMMERCIAL LAUNCH
	24 pts	17 pts	30 pts	150 pts	
√	√	√	Q4 – Q2 2024	Q3 2024 – Q2 2025	1H 2026

Pivalate Delivers Positive Phase II Data in Brain Metastasis Trial

RADI101 Phase IIa Clinical Trial: F18-pivalate PET/MRI Imaging

Patients with one or more cerebral metastases from different primary tumours of origin; breast, lung, melanoma & colorectal cancer

TRIAL ANALYSED:

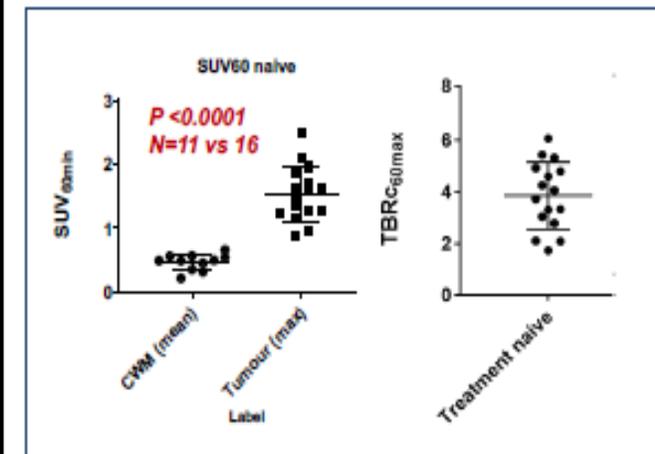
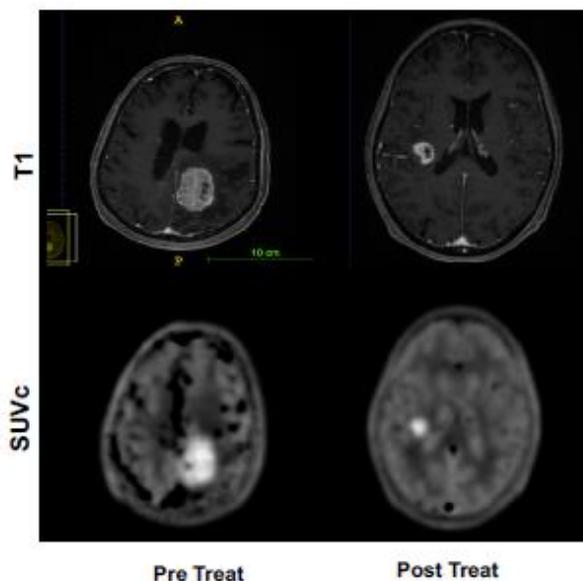
- Selective F18-pivalate uptake in cerebral metastases
- Impact of Stereotactic Radiosurgery (SRS) on F18-pivalate uptake at early time points (4-8 weeks)
- 2 cohorts of patients: 11 treatment naïve & 6 SRS treated (4-8 weeks post treatment)

RESULTS

F18-pivalate PET showed high uptake regardless of origin of primary tumour

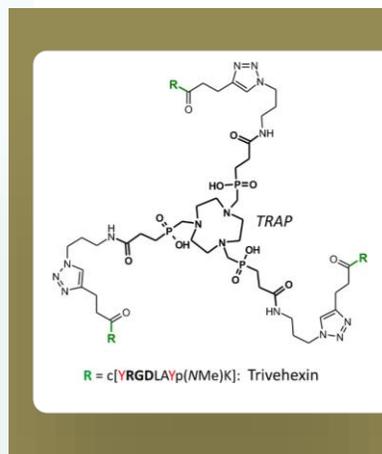
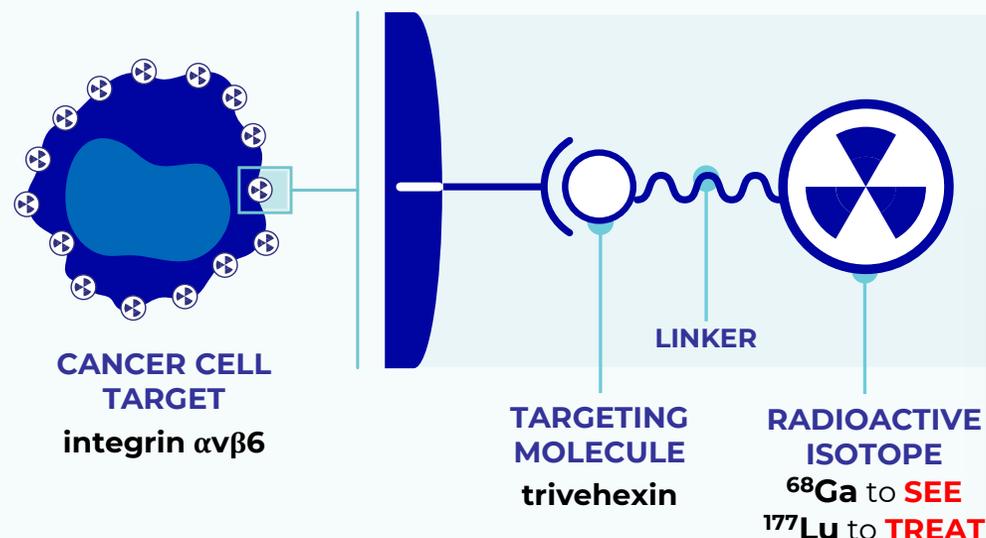
Indicates that pivalate can be used to detect & monitor cerebral metastases

- Patients without previous external beam radiation showed higher tumour uptake of radiopharmaceutical
- Previously treated patients show trend towards lower radiopharmaceutical uptake



The RADI101 Phase II results were presented at a Joint Meeting of the European Organisation for Research and Treatment of Cancer (EORTC), the (USA) National Cancer Institute (NCI), and the America Association for Cancer Research (AACR) in Barcelona, Spain, 26-28 Oct 2022

RAD 301 Imaging: Ga68-TRIVEHEXIN



TRIVEHEXIN

RGD peptide (arginylglycylaspartic acid)

Integrin $\alpha\beta 6$ receptor antagonist

Marker for tumour invasion and metastatic growth

Expression correlates with decreased survival in numerous carcinomas

BRAND VISION: FIRST TO MARKET PET AGENT FOR IMAGING PANCREATIC CANCER

- High unmet need in detecting and monitoring pancreatic cancer
- Current standard of care (FDG & MRI) have significant limitations
- FDA IND approval received ; Orphan drug Designation granted (5/2023)
- Multi-indication potential beyond PDAC (Head & Neck, NSCLC, TNBC, Colorectal)

RAD 301 Imaging: Ga68-TRIVEHEXIN

CLINICAL DEVELOPMENT & REGULATORY STRATEGY

- 66 patients already dosed under compassionate use (solid safety profile)
- 33 patients dosed under Pilot Study (presented at EANM 9/2023)
- IND approved Phase I start imminent, followed by registrational trial (leveraging RWE data)
- USD 240m peak yearly sales potential in PDAC only (Bell Potter independent report)
- Only 1 expected competitor: Integrin $\alpha v \beta 6$ - $\alpha v \beta 1$ (UC Davis) currently in Phase I

COMPASSIONATE USE (Germany)	Pilot study in PDAC + H&N	PHASE I	PHASE II	PHASE III	APPROVAL & COMMERCIAL LAUNCH
66 pts	33pts	9 pts	30 pts		
✓	✓	Fully recruited by Dec 2023	Apr 2024 – April 2025		1H 2026

RAD301 Clinical Development Began Under German Medical Drug Act, supported by European partner TRIMT

68Ga-trivehexin PET/MRI Imaging Patients with Pancreatic Tumours

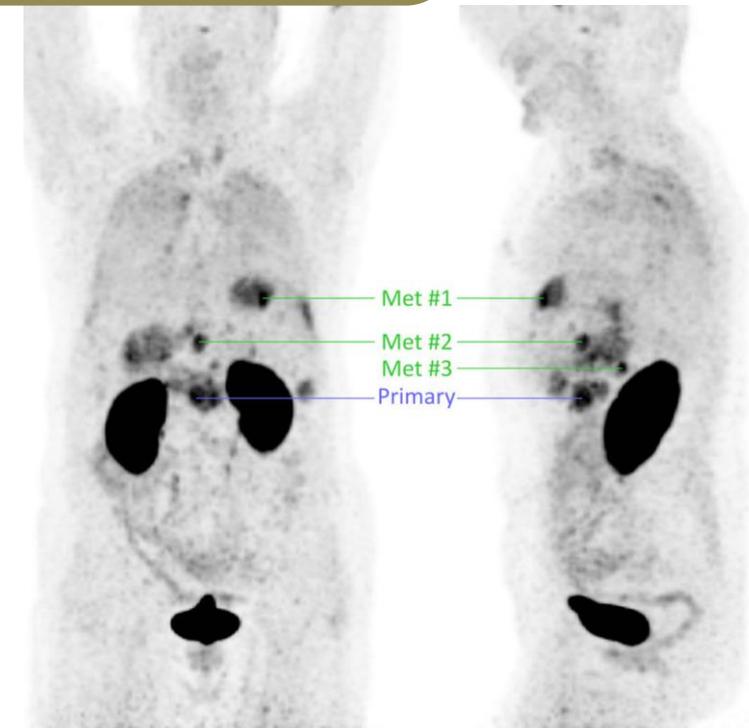
TRIAL ANALYSED:

- Selective detection of $\alpha v \beta 6$ integrin-expressing tumour lesions in patients with PDAC
- 66 patients administered RAD301 (as of 2022)
 - 60 pancreatic cancer and GI tumours
 - 5 with head and neck cancer
 - 1 patient with tumour of unknown origin

Results Indicate that RAD301 can be used to detect and monitor pancreatic cancer

- Rapid and specific accumulation in many target PDAC primary lesions and metastases
- Low background accumulation and purely renal elimination

68Ga-TRIVEHEXIN PDAC IMAGING



from Quigley NG Notni J.
Eur J Nucl Med 2021

RAD301 Clinical Development: Investigator Initiated Trial at Fortis Medical Center, supported by TRIMT

68Ga-trivehexin PET/CT Imaging vs F18-FDG

TRIAL ANALYSED:

- Selective detection of $\alpha v \beta 6$ integrin-expressing tumour lesions in patients with PDAC & HNSCC
- 33 patients administered RAD301

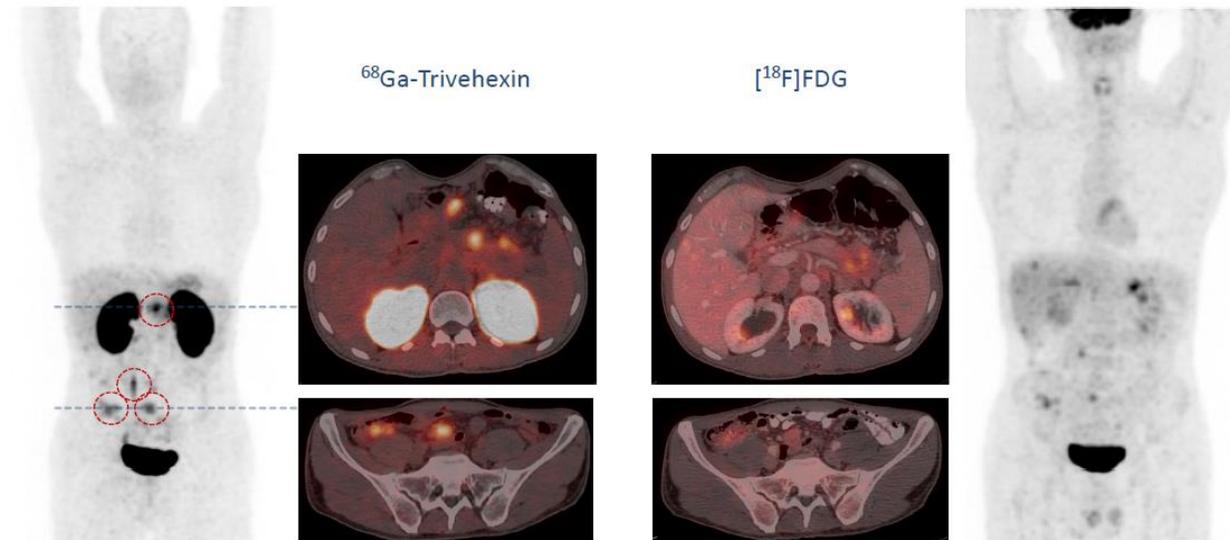
*Data presented at World Theragnostic Congress 2022
(Wiesbaden, Germany) & follow up presented at EANM
9/2023 (Vienna)*

Results Indicate that RAD301 shows incremental value over F18-FDG in PDAC & HNSCC

- Favorable tumour-to-background contrast vs F18-FDG
- Sharper images and practically no uptake in the surrounding normal tissue

**68Ga-trivehexin PDAC imaging shows
superior resolution vs F18-FDG**

⁶⁸Ga-Trivehexin vs. [¹⁸F]FDG—Metastatic PDAC in the Pancreatic Tail

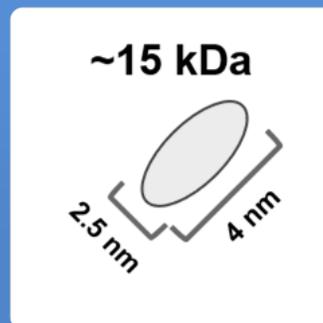
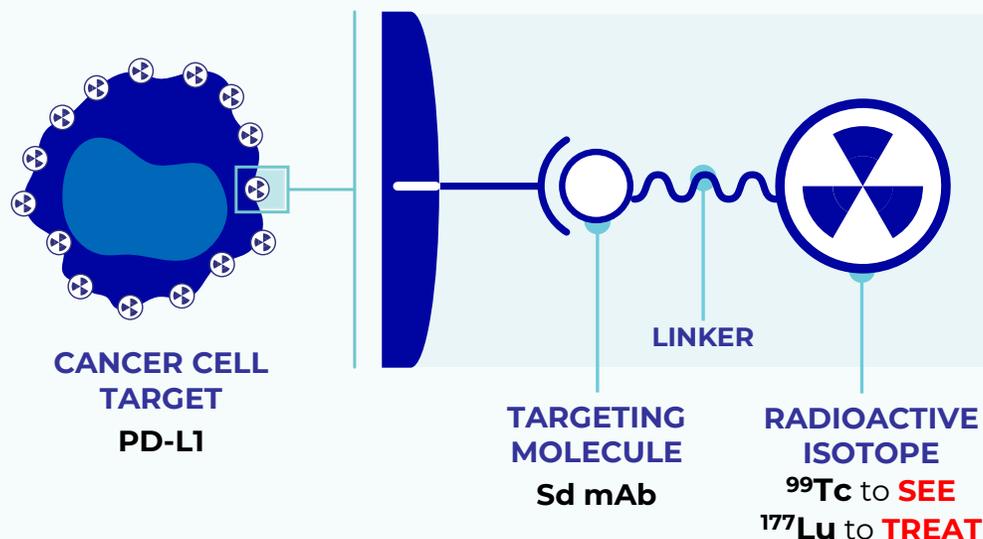


Images courtesy of Dr. Ishita Sen, Fortis Medical, New Delhi, India

TWO IMAGING ASSETS: PROJECTED REVENUE OPPORTUNITIES

Cancer Type	New US Cases Per Annum	Eligible New Patients Per Annum	Price Per Dose	Revenue Opportunity Per Annum
Imaging Brain Metastasis	300,000 <small>Source: SEER database US incidence</small>	88,000	USD \$4,730	USD 364m
<small>Source: Jones Group analyst report</small>				
Imaging Pancreatic Cancer	124,000 <small>Source: SEER database US incidence</small>	99,000	USD \$5,000	USD 240m
<small>Source: Bell Potter analyst report</small>				

RAD 204 Therapeutic: NANOMAB PD-L1



PD-L1 NANOMAB

Single domain monoclonal antibody (Sd mAb)

PD-L1 Immune Checkpoint Protein

Overexpression mediates evasion of immune responses by cancer cells

Blockade by antibodies leads to tumour regression

BRAND VISION:

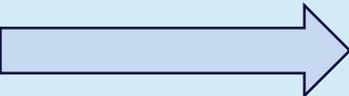
FIRST TO MARKET CHECKPOINT INHIBITOR-RADIOPHARMACEUTICAL COMBINATION

- Lead Indication : non-small cell lung cancer
- 200,000 new patients every year in USA only
- ~70% patients refractory to Check Point Inhibitors regimen

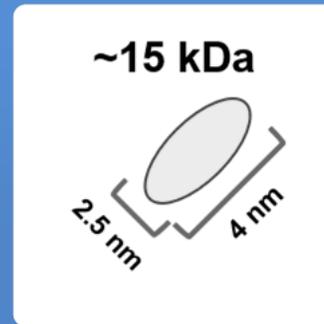
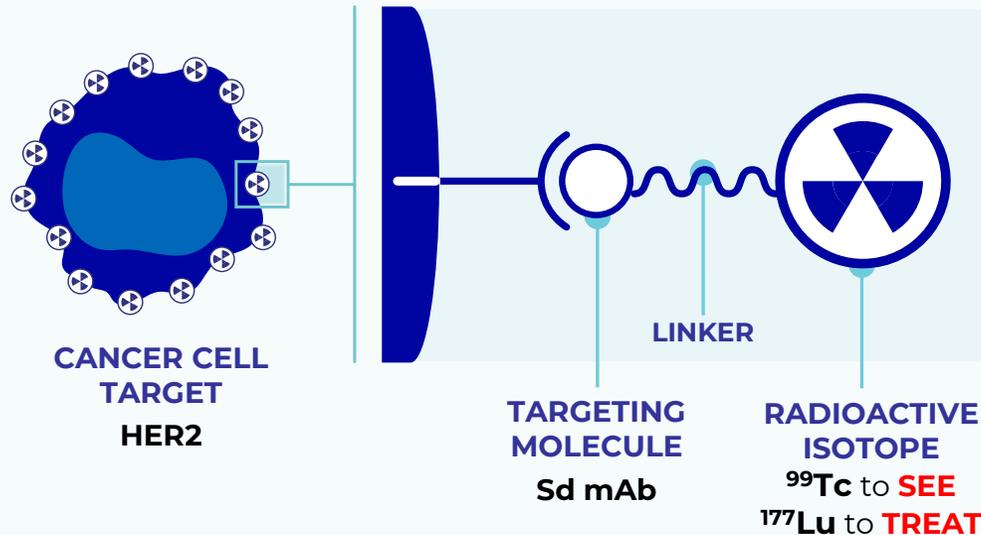
RAD 204 Therapeutic: NANOMAB PD-L1

CLINICAL DEVELOPMENT & REGULATORY STRATEGY

- Human pharmacokinetic and Biodistribution proven with Imaging agent (positive Phase I in 16pts in 2019)
- Strategic Collaboration with Lantheus for the PDL-1 Imaging agent
- Phase I therapeutic dose escalation in Australia (approval to start received in October)
- Phase II combo therapy trial with checkpoint inhibitor
- Blockbuster sales potential (Company assessment ongoing)
- No other PDL1 radiopharmaceuticals in preclinical or clinical development

PRECLINICAL	Imaging PHASE I	Therapeutic PHASE I	PHASE II
			
	16pts	27 pts	50 pts
√	√	Q4 2023– Q1 2025	Q3 2025 – Q3 2027

RAD 202 Therapeutic: NANOMAB HER-2



HER 2 NANOMAB

Single domain monoclonal antibody (Sd mAb)

HER 2 pathway proven in Oncology

Overexpression in Breast Cancer and
Gastroesophageal cancers

BRAND VISION:

BREAST & GASTRIC HER2+ THERAPY FOR PATIENTS REFRACTORY to TRASTUZUMAB / DERUXTECAN

- 47,000 new patients every year in USA only
- Suboptimal toxicity profile ADCs (2nd line metastatic cancer) opens opportunity for new agents

RAD 202 Therapeutic: NANOMAB HER-2

CLINICAL DEVELOPMENT & REGULATORY STRATEGY

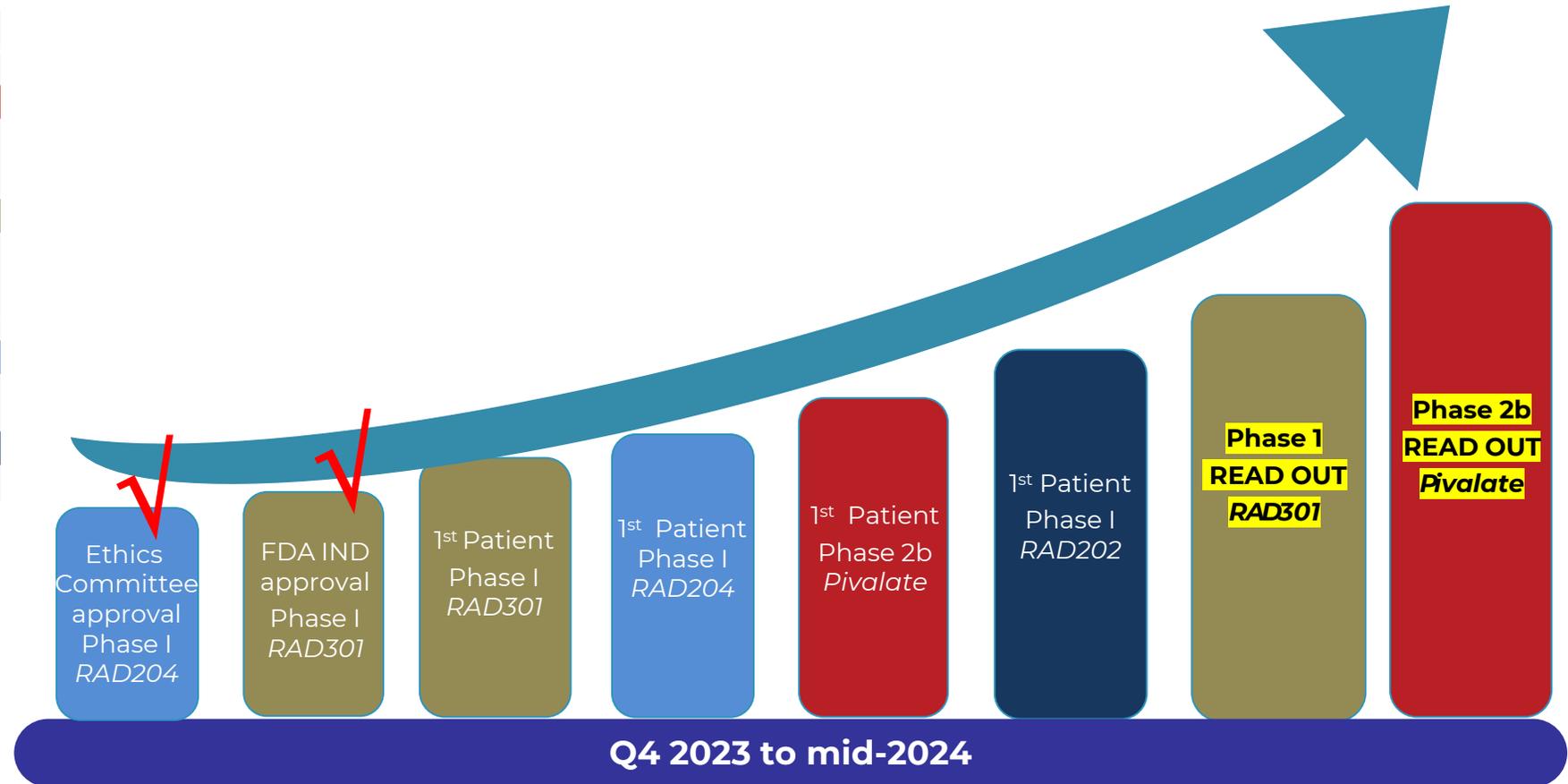
- Human pharmacokinetic and Biodistribution proven with Imaging agent (positive Phase I in 10pts in 2021, follow by IIT in Germany in additional 6 pts.
- Phase I therapeutic dose escalation in USA (approval to start expected in Q4) in Breast / Gastric Cancers
- Phase II therapy trial in the Breast or Gastric (depending on Phase I data)
- Blockbuster sales potential (Company assessment ongoing)
- Only 1 competitor (Precirix – private company) currently in Phase I

PRECLINICAL	Imaging PHASE I	Therapeutic IND Approval	PHASE I	PHASE II
✓	10pts + IIT in 6pts	Q4 2023	Q1 2024 – Q3 2025	Q4 2025 – Q4 2027

TRANSITION FROM PRECLINICAL TO CLINICAL STAGE COMPANY WITH 4 MOLECULES

- 2 READ OUTS BY MID 2024 -

RAD CODE	MOLECULE & TARGET	INDICATION	ISOTOPE
RAD101	Pivalate (Fatty Acid Synthetase)	BRAIN METS	F18
RAD301	Trivehexin ($\alpha V\beta 6$ Integrin)	PANCREATIC	Ga68
RAD204	Sd mAb (PD-L1)	NSCLC	Lu177
RAD 202	Sd mAb (HER 2)	BREAST GASTRIC	Lu177



INFLECTION POINTS

BACK UP

SUMMARY

FOUR PRIORITY ASSETS LEADING THE ONGOING COMPANY TRANSFORMATION TO CLINICAL STAGE COMPANY

ISOTOPE SUPPLY CHAIN SECURED WITH MULTIPLE CONTRACTS SIGNED FOR Lu177, Ac225, Tb161

ACHIEVEMENT OF MULTIPLE INFLECTION POINTS:

RAD 101 Phase 2b read out

RAD 301 Phase 1 read out

RAD 204 Phase 1 At ~50% recruitment

RAD 202 Phase 1 at ~33% recruitment

KEY MANAGEMENT TEAM



Paul Hopper
Executive Chairman

- Founder of Radiopharm Theranostics LTD.
- 25 years experience as a life-sciences entrepreneur
- Founder, Chairman, non-executive director or CEO of more than fifteen companies in the US, Australia and Asia
- Previous and current Boards include Imugene, Chimeric Therapeutics, Viralytics, Prescient Therapeutics, Polynoma and Arovela Therapeutics



Riccardo Canevari
Chief Executive Officer

- Radiopharm Theranostics CEO since September 2021
- Previously, Chief Commercial Officer of Novartis Company Advanced Accelerator Applications S.A.
- Lead for Lutathera in-market growth strategy & Pluvicto launch strategy
- Senior Vice President & Global Head, Breast Cancer Franchise, for Novartis Oncology since 2017



Vittorio Puppo
Chief Operating Officer

- Has served as Chief Operating Officer since June 2022.
- Previously, Chief Marketing Officer at Bracco Imaging, a world leader in diagnostics
- Managed businesses in Europe and Asia for Accuray, Covidien, Mallinckrodt and Amersham
- Board member of Life Sciences Capital



Dr. Antje Wegener
VP, Clinical Development

- Served in the role since March 2022.
- Previously, Senior Development Medical Director at AAA / Novartis
- Global Clinical Program Leader at Advanced Accelerator Applications.
- Global Head of Development at Nanobiotix, International Project Director at Servier and Global Clinical Lead at Novartis



Dr. Sherin Al-Safadi
VP, Medical Affairs

- Served in the role since Aug 2023.
- Previously, VP Medical Affairs at Point Biopharma
- Lead Strategic & Tactical planning radiopharmaceutical Phase III programs
- Global Director, Medical Affairs at Bayer

GLOWING RADIOPHARMA DEAL SPACE (2018 TO PRESENT)

HIGHLIGHTS GROWING STRATEGIC AND INVESTOR INTEREST

Selected Recent Strategic Agreements

- POINT/LLY ('23) - \$1.4B acquisition
- Roche/Genentech/PeptiDream ('23) - \$40MM upfront (PD)
- Bayer/Bicycle ('23) - \$45MM upfront (product)
- Bicycle/Novartis ('23) - \$50MM upfront (PD)
- Actinium/Immedica ('22) - \$35MM upfront/commercial
- Lantheus/POINT ('22) - \$260MM upfront (product)

Selected Recent Financing Deals

- RayzeBio IPO nets \$269.8MM IPO ('23)
- Mariana Oncology nets \$175MM Series B ('23)
- ITM nets €255M financing ('23)
- POINT Biopharma nets \$117.6MM Public Offering ('22)
- Curie Therapeutics raises \$75MM Series A ('21)
- Ablaze Pharmaceuticals raises \$75MM Series A ('21)

Public companies: 14, \$12B combined Cap
Private Companies: 25+, \$5.4B combined Cap

40+ public financings
raised >\$3.5B

100+ Acquisitions or Alliances
Provided \$37B in Payments