



The best value healthcare stock on ASX?

- » *Phase 1b/2 Breast cancer*
- » *Phase 1b Ovarian cancer*
- » *...and soon Phase 1b AML*

December 2015



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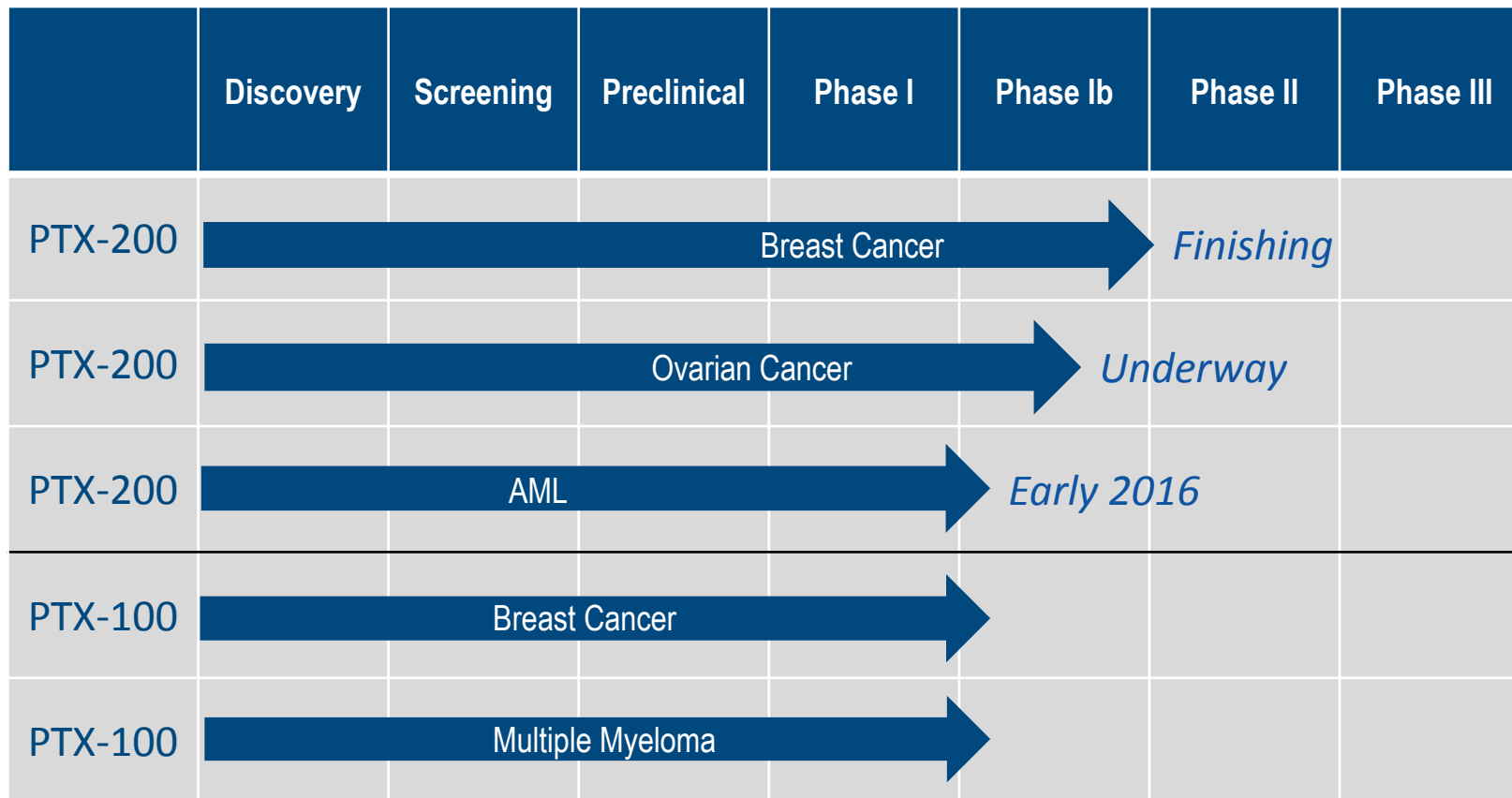
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Investment Highlights

One of Deepest Clinical Pipelines on ASX	3 clinical trials: 2 underway and 1 on track to initiate 1H 2016, all under IND
Two Clinical Stage Oncology Drugs	2 drug candidates targeting key cancer pathways » Akt (PTX-200) and Ras (PTX-100)
Distinguished Scientific Provenance	Compelling science from leading US institutions – Yale University & Moffitt Cancer Center
Significant investment already made	Over \$20 M invested to date » Technologies have been awarded multiple prestigious US government grants
Proven Leadership & Management	Experienced and proven drug development team on board to aggressively drive product development
Rich Upcoming News Flow	Multiple milestone announcements and valuation inflection points across all clinical programs over next 12 to 18 months
Robust IP	Patents granted in major jurisdictions extending to 2030

Deep, Clinical Stage Product Pipeline

PTX has one of the **deepest** and **most mature** product pipelines on ASX



Corporate Snapshot

Key Metrics

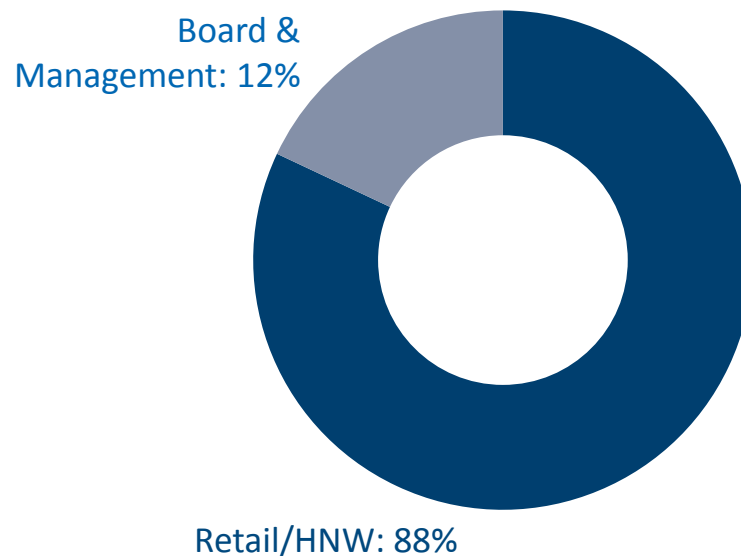
ASX Ticker	PTX
Total Issued Capital	93.7 M shares
Options	7.6 M (various)
Share Price ¹	A\$0.07
Market Capitalisation ¹	A\$6.5 M
Cash Position ²	A\$2.4 M
Top 20 Own	33%
6 month turnover ¹	22.4 M shares

Current cash balance will provide over 12 months' runway.

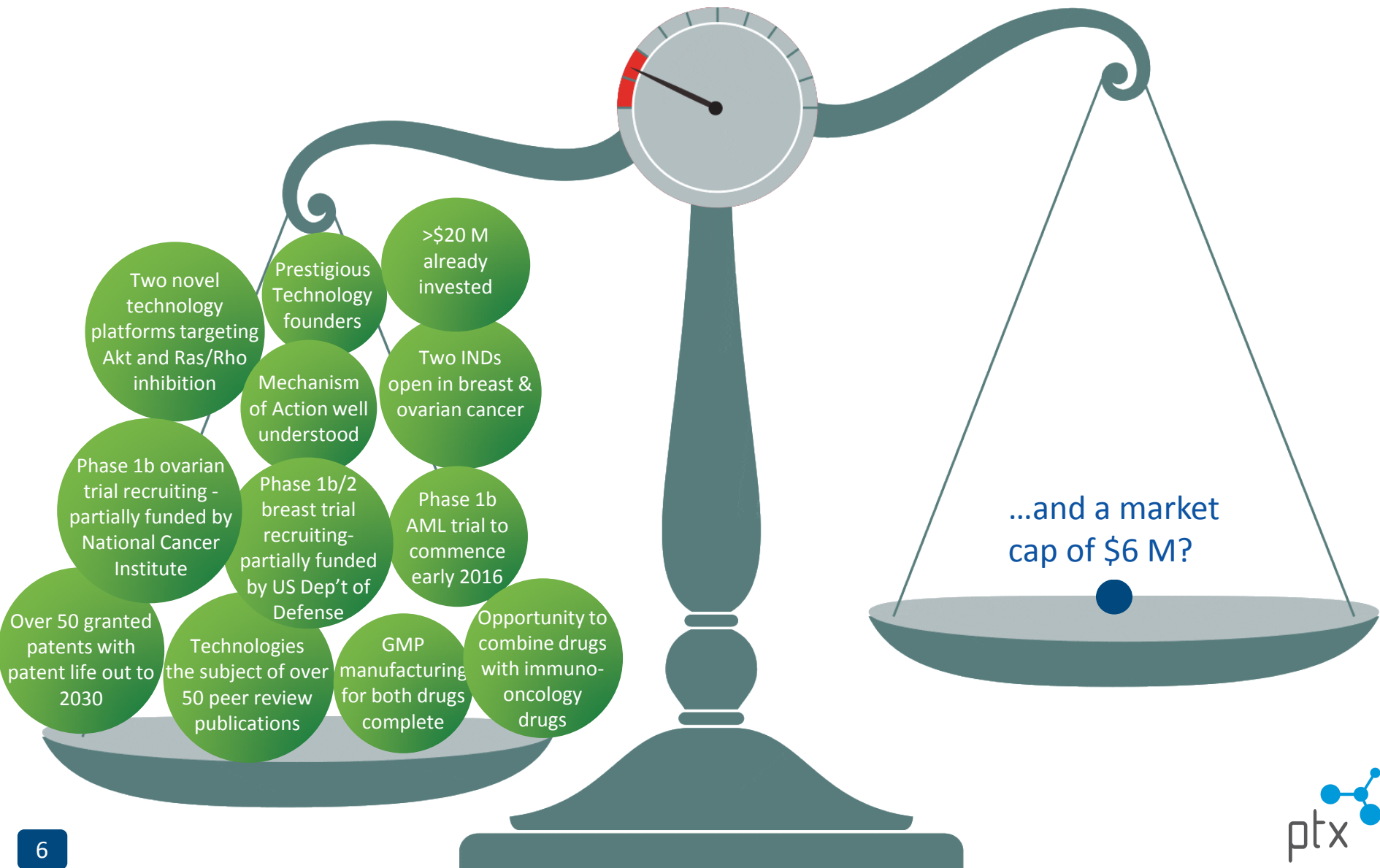
1 - As at 27/11/2015

2- Unaudited. Includes \$2 M gross proceeds from November capital raising.

Shareholder Base



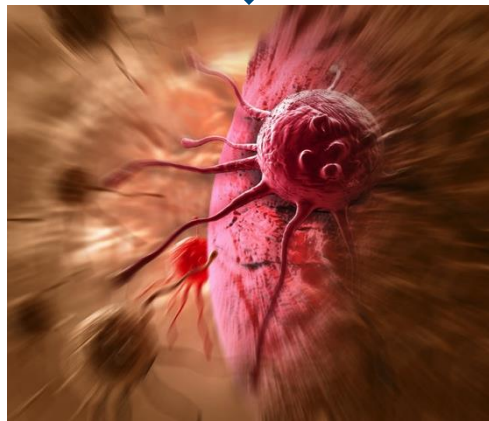
PTX's valuation obviously doesn't weigh up!



How Our Drugs Work: “Molecular Switches”



Akt & Ras are growth factors found in cancer cells – when they are turned on, they send a signal to the cancer cell to grow



PTX's drugs block the Akt & Ras growth signals, switching the growth signals off and **causing the cancer cell to die**

PTX-100
+ chemo

PTX-200
+ chemo

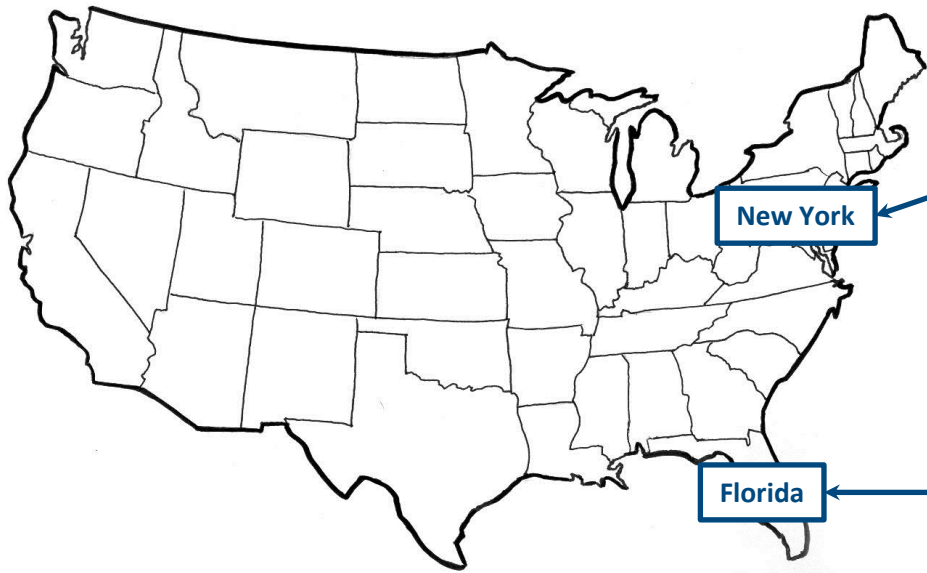


What is Chemoresistance?

- Despite the many advances in cancer treatment over many decades, 90% of advanced cancer patients become resistant to chemotherapy
- Resistance comes about when some of the cells that are not killed by the chemotherapy mutate (change) and become resistant to the drug
- At this point, the chemotherapy stops working and the cancer starts re-growing. Cancer patients then often have no treatment options left
- PTX's drugs are designed to prevent or reverse chemoresistance
- This **gives a new lease of life to existing drugs** when they stop working
→ “great for patients; great for drug companies”



World Class Centres & Collaborations



EINSTEIN

Albert Einstein
College of Medicine
OF YESHIVA UNIVERSITY



MOFFITT
CANCER CENTER



Previous clinical trials conducted at:



INDIANA UNIVERSITY



Memorial Sloan Kettering
Cancer Center



Introducing the Moffitt Cancer Center

- H. Lee Moffitt Cancer Center & Research Institute, established in 1986 in Tampa, Florida
- 3rd largest cancer centre in the US
- On one side of the campus is a world-leading **“comprehensive cancer clinic”**
 - » offering patients medical oncology, surgical oncology and radiology, as well as ongoing care
- On the other side of the same campus is a renowned **cancer research institute** dedicated to developing new cancer treatments
 - » 800 research scientists, postdocs, graduate students and support staff
 - » **Said Sebti is Head of Drug Discovery**



Drugs Don't Develop Themselves!



Said Sebti, PhD

Chief Scientific Officer

- Professor and Chair, Department of Drug Discovery - Moffitt Cancer Center
- Co-Program Leader, Chemical Biology and Molecular Medicine - Moffitt Cancer Center
- Inventor of PTX-100 & PTX-200
- **Named among top 20 Translational Researchers in the world by Nature Publishing Group**



Terry Chew, M.D.

Chief Medical Officer

- Hematologist/oncologist with 20 years experience in biotech & pharma
- Formerly with Argos and Peregrine Pharmaceuticals
- **5 New Drug Applications** including DaunoXome, Taxotere and DepoCyte
- **PTX is only 1 of only 2 ASX biotechs with a CMO that has successfully approved drugs!**



Chaline Strickland, Pharm.D.

Clinical & Regulatory Affairs

- VP Clinical & Regulatory Affairs at Ground Zero Pharmaceuticals



Clinical Advocates Driving Our Programs

Breast Cancer



Joseph Sparano, M.D.

- Prof. of Medicine & Obstetrics, Gynecology, & Women's Health - Albert Einstein College of Medicine
- Assoc. Chairman for Clinical Research - Montefiore Medical Center Dept of Oncology

Heather Han, M.D.

- Assistant Prof. of Medicine at University of South Florida College of Medicine
- Medical oncologist, specializing in breast cancer
- The Center for Women's Oncology - Moffitt Cancer Center

Ovarian Cancer



Robert Wenham, M.D.

- Section Head, Gynecologic Cancer Research
- Principal investigator Total Cancer Care Protocol

Acute Myeloid Leukemia



Jeff Lancet, M.D.

- Prof. of Oncologic Sciences, Moffitt Cancer Center and University South Florida
- Section Chief of Leukemia in the Department of Malignant Hematology at Moffitt

Board of Directors

- Experienced, complementary, and collaborative



Steve Engle
*Non-Executive
Chairman*

- Former Chairman and CEO of US-listed XOMA (NASDAQ:XOMA) and La Jolla Pharmaceuticals (NASDAQ: LJPC)
- Currently CEO of Averigon Consulting, an advisory firm to life science industry



Paul Hopper
Executive Director

- 25 years experience in international public company markets with a focus on life science and biotechnology
- Chairman of Viralytics Ltd. and Executive Chairman of Imugene Ltd.
- Former Director of Somnomed, pSivida, Fibrocell and Founder of Polynoma



**Steven
Yatomi-Clarke**
*Non-Executive
Director*

- Director of Corporate Finance at Patersons Securities specializing in healthcare and biotechnology
- Collaborator on clinical trials conducted in Australia and the US in cancer immunotherapy



**James Campbell,
PhD**
*Non-Executive
Director*

- CEO of Patrys Limited (ASX:PAB)
- Previously CFO and COO of Chemgenex Pharmaceuticals
- Non-Executive Director of Invion (ASX:IVX), Medibio Limited (ASX:MEB)

World Class Scientific Advisory Board

- Genuine international authorities, with particularly strong expertise in leukaemia



**Farhad Ravandi,
M.D.**

- Professor, Department of Leukemia, Division of Cancer Medicine, The University of Texas **MD Anderson Cancer Center**, Houston, Texas
- Chief, Section of Developmental Therapeutics, Texas University MD Anderson Cancer Center, Houston, Texas



**Jeff Lancet,
M.D.**

- Professor of Oncologic Sciences, **H. Lee Moffitt Cancer Center** and University South Florida
- Section Chief of Leukemia in the Department of Malignant Hematology at Moffitt



**Joseph Sparano,
M.D.**

- Professor of Medicine and Professor of Obstetrics, Gynecology and Women's Health at **the Albert Einstein College of Medicine**, New York
- Associate Director for Clinical Research at the Einstein Cancer Center, New York



**Douglas Joshua,
PhD**

- Emeritus Professor of Hematology at the **Sydney University Medical School**
- Consultant Hematologist, Royal Prince Alfred Hospital, Sydney
- Member of the International Myeloma Foundation

Breast Cancer Market Overview



- Breast cancer market currently US\$10 B; due to double by 2023
- Most breast cancer drug sales are for HER2+ cancers, but this only represents ~20% of all breast cancers
- By contrast, **PTX is targeting “HER2 negative” (HER2-) breast cancer**
- HER2- has “flown under the radar” of drug developers, due to high profile successes in HER2+ drugs...
- ...but **~80% of breast cancers are still HER2-**
- Comparative lack of new drug development for HER2- patients, despite the need
- Evidenced by American Society of Clinical Oncology (ASCO) issuing a new practice guidelines in 2014
 - » Concluded that doctors should encourage HER2- patients to enroll in clinical trials for new HER2- drugs

Phase 1b Breast Cancer Trial Almost Completed

- PTX-200 plus Taxol in patients with metastatic and locally advanced breast cancer
 - » Phase 1b trial currently underway
 - » Recruiting at Albert Einstein College of Medicine Montefiore Medical Center
 - » Funded by National Cancer Institute grant
- **16 patients already dosed (last patient dosed)**
- **Encouraging early data** (announced 26 Aug 2015)
 - » Evidence of safety & anti-tumour activity
 - » Inhibits important tumour survival pathway (Akt)



Joseph Sparano, M.D.
Principal Investigator



Phase 2 Breast Cancer Trial to Commence Early 2016

- Dr Heather Han at Moffitt to join Phase 2 recruitment
- Phase 2 to commence 1H 2016
- Patients with metastatic and locally advanced breast cancer
- PTX-200 in combination with paclitaxel, followed by doxorubicin and cyclophosphamide



Joseph Sparano, M.D.
Principal Investigator



Albert Einstein College of Medicine
OF YESHIVA UNIVERSITY

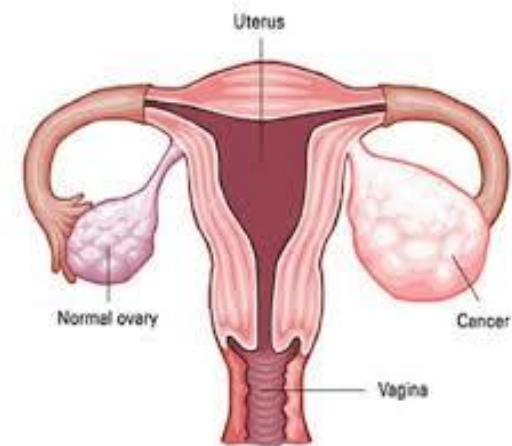


Heather Han, M.D.



Ovarian Cancer Market Overview

- One of the most common cancers in women -increasing with an ageing population
- Due to reach US\$1.7 B by 2019
 - » Market size currently constrained by old generic drugs that just aren't good enough
- Standard of care is “platinum based” drugs (often generic paclitaxel & carboplatin)
 - » Initially effective, with 70% of patients entering remission, but...
 - » ...almost all patients eventually relapse
 - » They have become chemoresistant
- **There remains a severe gap in the market for new drugs for relapsing patients and platinum resistant patients**
- **This is the gap that PTX is pursuing in ovarian cancer**



Phase 1b Ovarian Cancer Trial Already Underway

- PTX-200 plus Carboplatin in platinum resistant ovarian cancer
- Significant need for new products to treat platinum-resistant ovarian cancer
- **Phase 1b already underway**
- **IND transferred to PTX** (announced 29 June 2015)
- Currently recruiting at H. Lee Moffitt Cancer Center
- **6 patients already dosed**

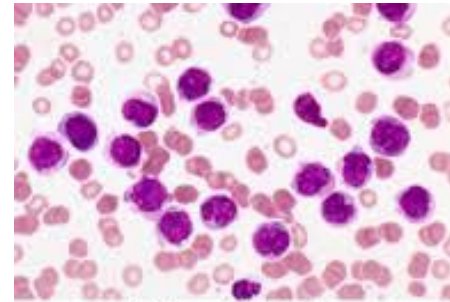


Robert Wenham, M.D.
Principal Investigator



Acute Myeloid Leukaemia Market Overview

- AML is a type of cancer that affects the blood and bone marrow.
 - » Patient cannot produce normal blood cells
 - » Blood cells cannot function properly nor fight disease
- Progresses very quickly & 5-year survival is a dismal 25%
- More common in adults over 60 years old, so the market is growing rapidly in developed economies
- After initial chemo, most patients relapse
- There are poor options for relapsing and refractory AML patients
- So, these ingredients add up to massive interest in relapsing & refractory AML
 - » A growing ageing disease in rich countries
 - » Dismal survival
 - » No treatment options
- **PTX's AML program was a clear focus of interest from both clinicians and specialist biotech funds in the US this year**



Acute myeloid leukemia

PTX-200: Completed Phase 1 in AML

Patients	32
Trial Centers	MD Anderson & Moffitt
Patient Inclusion	Advanced hematologic malignancies (mainly AML)
Methods	Administration 1 hour IV infusion on days 1, 8, and 15. Cycles repeated every 21 days.
Study Objectives	To establish dosing regime and biological dose
Summary	<ul style="list-style-type: none">• 17 out of 32 patients had stable disease after one cycle of treatment• 3 patients with AML achieved >50% bone marrow blast reduction• Further investigation of PTX-200 alone or in combination in patients with high Akt levels is warranted

THE UNIVERSITY OF TEXAS
MD Anderson
~~Cancer Center~~

MOFFITT
CANCER CENTER



Published Leuk Res.
2013
Nov;37(11):1461-7

Planned Phase 1b Trial: Acute Myeloid Leukemia

- PTX-200 plus cytarabine in refractory or relapsed acute leukemia
- Phase 1 results very encouraging
- Phase 1b/2 now planned
- Protocol complete
- Moffitt Cancer Centre ready to recruit
- Major East Coast Ivy League centre expected to join the trial
- IND in final stages of preparation for submission to FDA
- Ready to initiate trial 1H 2016
- Recently bolstered PTX's Scientific Advisory Board with world class leukaemia expertise



Jeffrey E Lancet, M.D.
Principal Investigator



What To Watch Out For

	2014	2015	1H 2016	2H 2016
Breast cancer	Transfer Breast Cancer IND	✓		
	Complete Phase 1b			
	Initiate Phase 2			
Ovarian cancer	Initiate Phase 1b	✓		
	Transfer Ovarian Cancer IND			
	Dose escalation and interim analysis			
	Complete Phase 1b			
Acute Myeloid Leukemia	IND allowed by US FDA			
	Initiate Phase 1b			
	Dose escalation and interim analysis			
	Complete Phase 1b			
Other	Ongoing BD initiatives			

Investment Summary

- **Two clinical stage cancer drugs** from top US institutions (Yale and Moffitt)
- **Two clinical trials currently** underway:
 - » Breast cancer
 - » Ovarian cancer
- 3rd trial starting early 2016 in Acute Myeloid Leukaemia
 - » A massive unmet market
 - » Intense market interest
- Gives Prescient one of the **deepest clinical pipelines on ASX**
- Proven team who have **successfully developed and approved cancer drugs**, and built and sold companies before
- Over \$20 M already invested to date, including prestigious US grants
- **Stock is pregnant with value-accretive news** (investors don't have to wait years)
- Re-focussed strategy and communication



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