

December 26, 2019

Prescient Therapeutics Limited (PTX.AX) Rating: Buy

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PTX-200 Continues Its Positive Push Forward in Breast Cancer; Target Upped to A\$0.20

Stock Data	12/24/2019
Price	A\$0.07
Exchange	ASX
Price Target	A\$0.20
52-Week High	A\$0.15
52-Week Low	A\$0.04
Enterprise Value (M)	A\$16
Market Cap (M)	A\$26
Public Market Float (M)	132.9
Shares Outstanding (M)	394.3
3 Month Avg Volume	8,419,320
Balance Sheet Metrics	

Balance Sheet Metrics	
Cash (M)	A\$9.60
Total Debt (M)	A\$0.00
Total Cash/Share	A\$0.02
General: U.S. to AUS exchange rate of 1.44	347 on 12/26/19.

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EPS (A\$) Diluted										
Full Year - Jun	2018A	2019A	2020E							
1st Half	(0.01)	(0.01)	(0.01)							
2nd Half	(0.01)	(0.01)	(0.01)							
FY	(0.01)	(0.02)	(0.01)							
Revenue (A\$M)										
Full Year - Jun	2018A	2019A	2020E							
1st Half	0.0	0.0	0.0							
2nd Half	0.0	0.0	0.0							
FY	0.0	0.0	0.0							

Quarterly EPS may not add to full year due to increases in share count **Breast Cancer** and rounding.



Path in breast cancer continues to make sense. On Sunday evening, Prescient announced the anticipated update from its ongoing Phase 2a study using PTX-200 in HER2 negative, locally advanced breast cancer. The data are described furthre below, but in short: (1) overall response rate (ORR) of 91%; (2) two patients had pathologic complete responses (pCR); (3) one patient with clinical complete response (cCR); and (4) durability continues to be encouraging with nine of 10 evaluable patients free of disease progression to date (up to 40 months of disease-free progression. The study enrolled 11 patients with HER2-negative tumors; nine with ER+ disease and two with triple negative disease. While the data are from a small group of patients, they are still encouraging, in our belief.

Intriguing responses. The patient that achieved the cCR was termed non-evaluable due death prior to scheduled surgery due to adverse events (cardiac complications) from doxorubicin, and unrelated to PTX-200. However, the patient had a large ER+ that had a complete response following PTX-200 and paclitaxel. The Simon two-stage design's goal was to demonstrate three pCRs in the first eleven patients; two pCRs were seen, and the cCR was confirmed by autopsy, which appears to have established proof-of-concept for the study. While it is difficult to compare data interstudy, the expected pCR rate from locally advanced ER+ and HER2 negative is approximately 16% (Green et al. *J Clin Oncol* 23; 2005). A summary of the responses is found in the table below.

Ongoing PTX-200 Positive Efficacy Results in Locally Advanced Breast Cancer

	ER positive	Triple negative	Total
pCR	2	0	2
pPR	6	2	8
SD	0	0	0
PD	0	0	0
NE (cCR)*	1	0	
ORR			90.9%

Source: December 23, 2019 PTX release.

Durability appears to be pointing in the right direction. Progression-free intervals in the study are encouraging thus far. The current PFS ranges from 6.7 to 40 months (average of 22 months), with nine of the 10 patients being progression-free, to date. Assessment of overall survival (OS) continues, and is currently 22.4 months. The benchmark for durability is the 24-month mark, with many women progressing within this period.

Next steps to add further personalization. According to management, the data point to moving the study into ER positive disease, which appears to be the most responsive group. The goal is to combine PTX-200 with hormone therapy (SoC for locally advanced ER positive tumors). Investigators have stated to management their expectation of a more favorable safety profile vs. the current combination with chemotherapy (paclitaxel, doxorubicin-cyclophashamide). In consideration of costs, the company is seeking to conduct the study in Australia, potentially in conjunction with an investigator-sponsored study to help defer costs.

P-Akt is a promising pharmacological target in AML. Regarding the relevance of targeting Akt in AML, we highlight that, despite this disease being highly dependent on a wide range of oncogenic genetic aberrations, it is also subject to the activation of defined tumor niches, where survival factors including hyperactivated Akt may play a role. To this end, high p-Akt levels are correlated with inferior survival in AML (Nepstad et al., Cancers 2018; Liang et al., Sci Rep 2017)

Long-term focus is on novel targeted compounds for therapy resistant cancers devoid of treatment options. Prescient's assets share a key feature of being not only targeted, but also being able to tackle a wide spectrum of malignancies. The company's clinical focus is on those cancers or metastases that become addicted to Akt, RAS and downstream effectors of these two clinically relevant oncogenes (e.g., RhoA). Of note, market opportunities are significant and we think underappreciated as these two targets alone could trigger tumorigenesis in the vast majority of cancers spanning hematological and solid tumors (e.g., pancreatic cancer or PDAC). For example, regarding PDAC, KRAS is the major tumor driver, and there are currently no targeted therapies, representing a significant unmet clinical need, in our view. Thus, as the clinical programs mature, we think that Prescient could potentially deliver new therapies for key diseases including aggressive cancers. For a more detailed analysis of our investment thesis on Prescient, refer to our initiation document here referenced: (*Targeted Oncology From Down Under; Initiating Coverage at Buy and A\$0.20 PT*).

PTX-200 rationale in breast cancer. program in HTR breast cancer represents the near-term value driver for the shares; 4Q19 data readout. There are multiple PI3K and Akt inhibitors in clinical trials; however, preliminary data, literature, and our due diligence suggest that PTX-200 therapy could be successful in HTR BCa, where others have faltered thus far. Importantly, we highlight the strong scientific rationale for targeting Akt signaling in HTR cancer, which includes: (1) increased PI3K/Akt genetic aberrations lead to higher tumor growth; (2) higher dependency on PI3K/Akt pathways in patients that do not respond to targeted therapy (ERa inhibitors) and/or chemo; (3) Akt drives increased estrogen receptor (ERa) activity following the inhibition of the pathway from hormonal therapies (HT); and (4) there is a ubiquitous and strong consensus from clinical and laboratory practices highlighting the need for targeting Akt in HTR tumors. Overall, we believe that PTX-200 may deliver promising data in HTR disease with the potential of becoming a new therapy for these patients.

Valuation and risks to price target achievement. We maintain our Buy rating and are increasing our price target to A\$0.20 from A\$0.16 based on the following factors: (1) increasing our projected chance of success for PTX-200 in HTR breast cancer from 14% to 18%; (2) adjustment to base year; and (3) adjustment to exhcange rate. Our valuation is based on our clinical net present value (NPV) model, which allows us to flex multiple assumptions affecting a drug's potential commercial profile. Our valuation is currently based on PTX-200 in breast cancer: (1) 91% contribution from HTR-BCa; and (2) 9% contribution from TNBCa. We currently do not include AML and ovarian in our projections, as well as any indications for PTX-100, both of which we consider to be free call options currently in our valuation. As the programs progress and data are released, we would look to reassess potential contribution from these indications and assets. Factors which could impede reaching our price target include failed or inconclusive clinical trials or inability of the company to secure adequate funding to progress its drugs through the development pathway.

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(AUD\$ in millions except per share data)

Profit & Loss - June fiscal	2016A	2017A	2018A	2019A	2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E
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Licensing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
R&D collaborations	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Product and Royalties	0.0	0.0	0.0	0.0	0.0	0.0	2.1	44.5	93.0	195.5	308.1	431.6	396.7	416.8
Other revenues	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Revenues	0.0	0.0	0.0	0.0	0.0	0.0	2.1	44.5	93.0	195.5	308.1	431.6	396.7	416.8
CoGS	0.0	0.0	0.0	0.0	0.0	0.0	0.3	6.7	14.0	29.3	46.2	64.7	68.9	72.7
Gross Profit	0.0	0.0	0.0	0.0	0.0	0.0	1.8	37.8	79.1	166.2	261.9	366.8	327.9	344.1
Gross margin	0%	0%	0%	0%	0%	0%	85%	85%	85%	85%	85%	85%	83%	83%
aross margin	0,0	0,0	070	0,0	0,0	0,0	0070	0070	0070	0070	0070	0070	0070	0070
SG&A	2.0	1.4	1.6	1.8	2.2	3.7	20.6	26.6	29.2	31.5	34.1	35.4	37.6	40.6
R&D	0.8	2.4	2.1	3.7	7.9	14.6	17.0	21.2	39.5	41.9	45.2	48.4	49.8	52.8
Other op ex	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	(2.8)	(3.8)	(3.6)	(5.5)	(10.1)	(18.4)	(35.8)	(10.0)	10.4	92.8	182.6	283.0	240.5	250.7
EBIT margin	nm	11%	47%	59%	66%	61%	60%							
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Depreciation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation Intangibles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	(2.8)	(3.8)	(3.6)	(5.5)	(10.1)	(18.4)	(35.8)	(10.0)	10.4	92.8	182.6	283.0	240.5	250.7
EBITDA margin	nm	11%	47%	59%	66%	61%	60%							
Non operating expenses	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Interest Income/Other	1.0	1.2	1.1	1.7	3.4	6.4	7.4	9.2	17.2	18.2	19.7	21.0	21.7	23.0
Interest expense	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBT	(1.8)	(2.6)	(2.6)	(3.8)	(6.7)	(12.0)	(28.4)	(0.8)	27.6	111.0	202.3	304.1	262.2	273.7
EBT margin	nm	30%	57%	66%	70%	66%	66%							
Provision for taxes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	60.7	91.2	78.6	82.1
Net Income	(1.8)	(2.6)	(2.6)	(3.8)	(6.7)	(12.0)	(28.4)	(0.8)	27.6	111.0	202.3	304.1	262.2	273.7
Participation of preferred stock	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Income to common	(1.8)	(2.6)	(2.6)	(3.8)	(6.7)	(12.0)	(28.4)	(0.8)	27.6	77.7	141.6	212.8	183.5	191.6
net margin	nm	30%	40%	46%	49%	46%	46%							
NoSH	82.2	210.0	211.4	244.5	451.3	545.0	632.2	644.8	696.4	752.1	812.3	877.3	947.5	1,023.3
EPS - basic	(0.02)	(0.01)	(0.01)	(0.02)	(0.01)	(0.02)	(0.04)	(0.00)	0.04	0.10	0.17	0.24	0.19	0.19
EPS - diluted	(0.02)	(0.01)	(0.01)	(0.02)	(0.01)	(0.02)	(0.04)	(0.00)	0.04	0.10	0.17	0.24	0.19	0.19
Source: Company reports and H.C. Wainwright es		(0.01)	(0.01)	(0.02)	(0.01)	(0.02)	(0.04)	(0.00)	0.04	0.10	0.17	0.23	0.19	0.10

Source: Company reports and H.C. Wainwright estimates

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Half-yearly P&L - June fiscal	Dec	June	June	Dec	June	June	Dec	June	June	Dec	June	June
AUD\$ in millions	FH1'18A	FH2'18A	FY'18A	FH1'19A	FH2'19A	FY'19A	FH1'20E	FH1'20E	FH1'20E	FH1'21E	FH1'21E	FH1'21E
Licensing	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
R&D collaborations	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Product and Royalties	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other revenues	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Revenues	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				0.00		0.00			0.00			
CoGS	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross Profit	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross margin	100%	100%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
SG&A	0.74	0.84	1.6	0.81	1.02	1.83	1.06	1.14	2.20	1.63	2.11	3.74
R&D	0.90	1.16	2.1	1.54	2.14	3.68	2.61	5.31	7.92	5.87	8.78	14.65
Other op ex	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EBITDA	(1.6)	(2.0)	(3.6)	(2.3)	(3.2)	(5.5)	(3.7)	(6.4)	(10.1)	(7.5)	(10.9)	(18.4)
EBITDA margin	` ,	` ,	nm	. ,	` ,	nm	, ,	` ,	nm	. ,	, ,	nm
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Non operating expenses	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Interest Income/Other	0.46	0.61	1.1	0.75	0.97	1.72	1.42	2.02	3.44	2.60	3.77	6.37
Interest expense	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EBT	(1.2)	(1.4)	(2.6)	(1.6)	(3.9)	(5.5)	(2.3)	(4.4)	(6.7)	(4.9)	(7.12)	(12.0)
EBT margin			nm									
Provision for taxes	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Participation of preferred stock												
Net Income to common	(1.2)	(1.4)	(2.6)	(1.6)	(2.2)	(3.8)	(2.3)	(4.4)	(6.7)	(4.9)	(7.1)	(12.0)
net margin			nm									
NoSH - basic	209.96	211.37	211.37	211.88	310.50	244.55	395.60	507.00	451.30	515.00	575.00	545.00
NoSH - diluted	209.96	211.37	211.37	211.88	310.50	244.55	395.60	507.00	451.30	515.00	575.00	545.00
EPS - basic	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)
EPS - diluted	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)
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Source: Company filings and H.C. Wainwright estimates

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RETURN ASSESSMENT

Market Outperform (Buy): The common stock of the company is expected to outperform a passive index comprised of all the common stock of companies within the same sector.

Market Perform (Neutral): The common stock of the company is expected to mimic the performance of a passive index comprised of all the common stock of companies within the same sector.

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Distribution of Ratings Table as of December 24, 2019											
IB Service/Past 12 Mont											
Ratings	Count	Percent	Count	Percent							
Buy	381	90.93%	133	34.91%							
Neutral	36	8.59%	6	16.67%							
Sell	0	0.00%	0	0.00%							
Under Review	2	0.48%	2	100.00%							

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