



Prescient receives new US Patent for Companion Diagnostic for PTX-100

MELBOURNE Australia, 26 October 2020 – Prescient Therapeutics (ASX: PTX) is pleased to announce that it has received a notice of allowance from the United States Patent and Trademark Office (USPTO) for a new patent covering methods for using a specific biomarker to stratify breast cancer patients and identify those most likely to respond to treatment with its anti-cancer compound PTX-100. Once granted, the patent is expected to be valid until 2031.

Prescient previously in-licensed the p27 biomarker from the H. Lee Moffitt Cancer Center for use as a companion diagnostic with PTX-100, on the basis that patients with low levels of p27 would be more likely to respond positively to treatment with PTX-100.

Prescient Therapeutics CEO and Managing Director Steven Yatomi-Clarke said, "The allowance of this patent for a biomarker is in keeping with our personalised medicine approach to identify the right treatment for the right patient. Accordingly, it is another step in building out a deep product pipeline of personalised targeted therapies and tools for clinicians treating patients with cancer."

The patent (13/194,022) entitled "*Methods for inducing tumor regression and inhibiting tumor growth, and inducing apoptosis in breast tumors with geranylgeranyl transferase -1 inhibitors*" is another important addition to Prescient's strong intellectual property portfolio and further enhances protection of PTX-100 and its potential use in the treatment of breast cancer.

PTX-100 is a first in class compound with the ability to block an important cancer growth enzyme. It works by disrupting oncogenic Ras pathways by inhibiting the activation of Rho, Rac and Ral circuits in cancer cells, leading to apoptosis (death) of cancer cells. Prescient believes that PTX-100 is the only RhoA inhibitor in the world in clinical development.

PTX-100 is currently being investigated in a PK/PD basket study of hematological and solid malignancies, focusing on cancers predisposed to Ras and RhoA mutations. A previous Phase 1 trial in advanced solid tumors showed PTX-100 was well-tolerated and helped achieved a stabilisation of disease in patients.

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About Prescient Therapeutics Limited (Prescient)

Prescient Therapeutics is a clinical stage oncology company developing personalised medicine approaches to cancer, including targeted and cellular therapies.

Cell Therapies

OmniCAR: is a universal immune receptor platform enabling controllable T-cell activity and multi-antigen targeting with a single cell product. OmniCAR's modular CAR system decouples antigen recognition from the T-cell signalling domain. It is the first universal immune receptor allowing post-translational covalent loading of binders to T-cells. OmniCAR is based on technology licensed from Penn; the SpyTag/SpyCatcher binding system licensed from Oxford University; and other assets.

The targeting ligand can be administered separately to CAR-T cells, creating on-demand T-cell activity post infusion and enables the CAR-T to be directed to an array of different tumour antigens.

OmniCAR provides a method for single-vector, single cell product targeting of multiple antigens simultaneous or sequentially, whilst allowing continual re-arming to generate, regulate and diversify a sustained T-cell response over time.

Cell Therapy Enhancements: Prescient has several other initiatives underway to develop new cell therapy approaches.

Targeted Therapies

PTX-100 is a first in class compound with the ability to block an important cancer growth enzyme known as geranylgeranyl transferase-1 (GGT-1). It disrupts oncogenic Ras pathways by inhibiting the activation of Rho, Rac and Ral circuits in cancer cells, leading to apoptosis (death) of cancer cells. PTX-100 is believed to be the only RhoA inhibitor in the world in clinical development. PTX-100 is currently in a PK/PD basket study of hematological and solid malignancies, focusing on cancers with Ras and RhoA mutations. In a previous Phase 1 trial in advanced solid tumours, PTX-100 was well tolerated and achieved stable disease.

PTX-200 is a novel PH domain inhibitor that inhibits an important tumour survival pathway known as Akt, which plays a key role in the development of many cancers, including breast and ovarian cancer, as well as leukemia. Unlike other drug candidates that target Akt inhibition which are non-specific kinase inhibitors that have toxicity problems, PTX-200 has a novel mechanism of action that specifically inhibits Akt whilst being comparatively safer. This highly promising compound has encouraging Phase 2a data in HER2-negative breast cancer; Phase 1b/2 in relapsed and refractory AML and Phase 1b in recurrent or persistent platinum resistant ovarian cancer:

COVID-19 Therapies

Two assets are being assessed by the Doherty Institute for antiviral activity against SARS-CoV-2, the virus that causes COVID-19 disease.

Find out more at ptxtherapeutics.com, or connect with us via Twitter [@PTX_AUS](https://twitter.com/PTX_AUS) and [LinkedIn](https://www.linkedin.com/company/ptxtherapeutics).

The Board of Prescient Therapeutics Limited has approved the release of this announcement.

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Supplemental COVID-19 Risk Factors

Please see our website : [Supplemental COVID-19 Risk Factors](#)