

TECH OFFER

Advancing Prognostic Tests For Multiple Myeloma



KEY INFORMATION

TECHNOLOGY CATEGORY:

Healthcare - Diagnostics

TECHNOLOGY READINESS LEVEL (TRL): **TRL4**

COUNTRY: **AUSTRALIA**

ID NUMBER: **TO174640**

OVERVIEW

Multiple myeloma (MM) is an incurable malignancy of neoplastic antibody-secreting plasma cells and is the world's second most common haematological cancer. The costs to the healthcare system and economy for each patient suffering from MM is significant.

Complex cytogenetic testing currently places patients into either high or low risk potential of succumbing to the disease. Despite the increase in different treatment regimes, the overall survival post-diagnosis is low and the disease remains incurable. Thus, the identification of new biomarkers for MM to expedite the prognosis for a patient, to assist in the selection of appropriate treatment regimes, to assist with selecting patients for treatment, and/or to assess their response to treatment are desperately needed.

The technology provider is seeking partners for licensing and co-development opportunities.

TECHNOLOGY FEATURES & SPECIFICATIONS

The technology comprises a flow cytometry-based test for a novel biomarker that will rapidly obtain prognostic information from the patient's bone marrow and will better predict disease progression at the time of diagnosis.

The diagnostic test further comprises a customized single tube panel for flow cytometric analysis that accurately identifies patients with high risk MM. This rapid and affordable test significantly reduces costs as well as wait times for the health care system and patients.

Diagnostics outcomes will assist with decisions regarding personalized treatment approaches and selection of appropriate treatment regimens in a timely manner.

POTENTIAL APPLICATIONS

The current technology has utility in cancer prognostic and therapeutic fields. The technology can also be explored by interested parties who are keen to develop prognostic tests for other diseases.

UNIQUE VALUE PROPOSITION

- A new flow cytometric test that can quickly identify the high and low risk patients
- Ability to identify myeloma patients with poor prognosis
- Improved testing time and reduced cost
- Potential for improved responses to treatment