CANCER SCIENCE INSTITUTE OF SINGAPORE
DISTINGUISHED SPEAKERS' SERIES 2014

Ian Frazer

CEO and Director of Research
Translational Research Institute Pty Ltd, Australia

Harnessing the immune system to fight cancer

Date: **Thursday, 24 April 2014**
Time: **11am – 12pm**
Venue: **Centre for Life Sciences, Level 1 Auditorium**
(28 Medical Drive, Singapore 117456)
Chair: **Prof. Peter Lobie**

Abstract:

Cancer cells express a range of non-self, mutated-self and onco-fetal antigens to which the patient with cancer can mount an immune response. Several cancers are more frequently observed in patients that are immune-suppressed, and immune responses can be measured to cancer antigens in many patients with cancer. However, clinically obvious cancers have clearly evaded the antigen specific host defence mechanisms. My presentation will describe the mechanisms by which cancers can evade host immunity and examine, using animal models and human data, the mechanisms by which these evasion strategies can be overcome to enable effective immunotherapy for cancer.

Biography:

Professor Ian Frazer *AC* is Chief Executive Officer (CEO) and Director of Research of Translational Research Institute (TRI) Pty Ltd in Brisbane, Australia. In this role, Professor Frazer heads an expert cohort of over 650 researchers from four leading medical research institutes.

Internationally renowned for the co-creation of the technology for the cervical cancer vaccines, he retains an active research program at the Institute in immune responses to cancer and cancer immunotherapy.

Professor Frazer was awarded the 2005 CSIRO Eureka Prize for Leadership in Science and was selected as Queenslander of the Year, and Australian of the Year in 2006. He was also awarded the 2008 Prime Minister's Prize for Science, the 2008 Balzan Prize for Preventive Medicine, the 2009 Honda Prize and in 2011, was elected as a Fellow of the esteemed Royal Society of London. In 2012, Professor Frazer was appointed a Companion of the Order of Australia (AC) in the Queen's Birthday Honours.