CANCER SCIENCE INSTITUTE OF SINGAPORE

SEMINAR ANNOUNCEMENT

Clare Scott

Cancer Council Victoria Sir Edward Dunlop Research Fellow, Walter and Eliza Hall Institute of Medical Research, and Medical Oncologist, Royal Melbourne Hospital



High-grade serous ovarian cancer: does knowing the enemy help?

Date: Thursday, 12 November 2015
Time: 4.30pm – 5.30pm
Venue: #01-01B Learning Rm, Centre for Translational Medicine (MD6)
(14 Medical Drive, Singapore 117599)
Host: Dr. Ruby Huang

Abstract:

Effective cancer therapy requires efficient cancer cell death, such that relapse of drug-resistant cells does not occur. All too often, cancer cells evolve to evade whatever pressure they are placed under. By understanding the drivers and susceptibilities of each individual cancer, we may deliver more efficient therapy, essential for maximal cell killing. The identification of distinct molecular subsets of ovarian cancer and clonal evolution occurring with successive rounds of therapy suggests that matching treatment to the cancer molecular phenotype may be more effective than the current one-size-fits-all approach. In vivo pre-clinical models, such as well-annotated patient-derived xenografts enable us to drive drug resistance and facilitate exploration of novel targeted therapeutic approaches with direct relevance for patients in the clinic.

Biography:

Clare Scott is a medical oncologist at the Royal Melbourne and Royal Women's Hospitals and leads the ovarian cancer laboratory in the Stem Cells and Cancer Division at the Walter and Eliza Hall Institute of Medical Research (WEHI). Following medical training at the University of Melbourne and PhD studies in Colony Stimulating Factors (CSFs), in the laboratory of Glenn Begley, Cancer and Haematology Division, WEHI, she specialised in medical oncology and undertook post-doctoral studies in the Strasser Laboratory at WEHI and in the Lowe Laboratory at Cold Spring Harbor Laboratory. She was awarded the Burnet Prize in 2009 (WEHI), the inaugural Cory Leadership Fellowship for Women (WEHI) in 2010 and the prestigious Sir Edward Dunlop Fellowship in Cancer Research (Cancer Council Victoria) in 2012. Her lab focuses on generating new models of ovarian cancer in order to develop more successful cancer treatments.