DukeNUS Medical School

CSCB Cancer and Stem Cell Biology Seminar Series

Normal and Leukemic Human Hematopoiesis: New Paradigms for Both

Abstract:

Index sorting of single cells has become a powerful tool to correlate the molecular states of cells with their biological responses. Application of this approach to primitive (CD34+) normal human hematopoietic cells is revolutionizing our awareness of the broad variation in cell states and differentiation trajectories these cells undergo even at a single point in time of human development. These findings are of interest as they have anticipated relevance to understanding the apparent "lax" control that appears to be operative within the CD34+ compartment of neonatal human hematopoietic cells and the possible implications of these findings for leukemogenesis. To investigate this possibility we have initiated a new model of *de novo* transformation of human hematopoietic cells which is also yielding unanticipated features of the leukemogenesis process.

Date:

28 February 2019 (Thursday)

Venue:

Amphitheatre, Level 2
Duke-NUS Medical School
8, College Road,
Singapore 169857

Time:

1:00 - 2:00 p.m.



Speaker:

Connie J. Eaves,
PhD FRS(Canada) FRS (Edinburgh)
Distinguished Scientist, Terry Fox Laboratory, British Columbia Cancer Agency
Professor, Dept of Medical Genetics, Medicine, and Pathology& Laboratory Medicine, University of British Columbia, Vancouver, Canada

Host:

Charles Chuah
Associate Professor, Programme in Cancer & Stem Cell Biology
Duke-NUS Medical School
Singapore
Senior Consultant, Haematology Department, Singapore General Hospital

Dr. Connie Eaves directs an internationally recognized research program in normal and cancer stem cell biology, human leukemia, and normal and malignant breast stem cell biology. She has published more than 500 papers and has a long track record as a global scientific leader and conscientious mentor of trainees at all levels. She has also been a contributor to science policy and development in Canada and abroad and has received numerous national and international awards for her many accomplishments.

No registration is required. All are welcome.
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