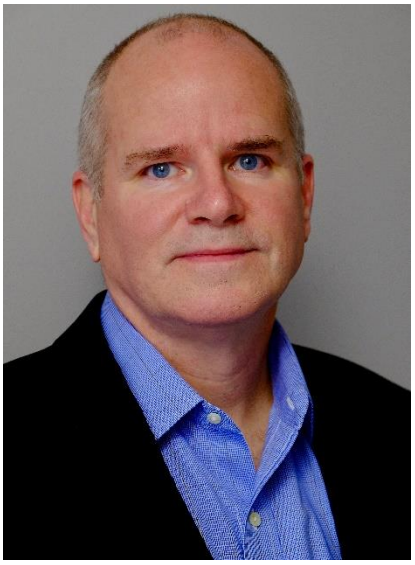
The Centre for Blood Research Seminar Series

Wednesday, April 17, 2019

LSC 3 | 12:00 - 1:00PM



Dr. Michael Underhill

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"Mesenchymal Progenitors in Health and Disease"

Adult stem and progenitor cells play fundamental roles in tissue homeostasis, renewal and regeneration, and when these cells become dysfunctional they contribute to a myriad of diseases including cancer, fibrosis, accelerated aging and degenerative disorders. Mesenchymal progenitors (MPs) represent one type of adult progenitor cell and can be found to varying extents in most tissues. To better understand MP biology in health and disease, we have developed novel mouse lines to enable lineage tracing and manipulation of this population. These lines have enabled us to address several questions, including: 1) what is the fate and function of MPs in tissue regeneration and renewal; 2) do MPs exhibit intra and inter-tissue heterogeneity and is this related to function; and 3) what role do MPs have in neoplasia?

Live Online Seminar Viewing:
https://meet.ubc.ca/hana.kim/YGHMR41Q