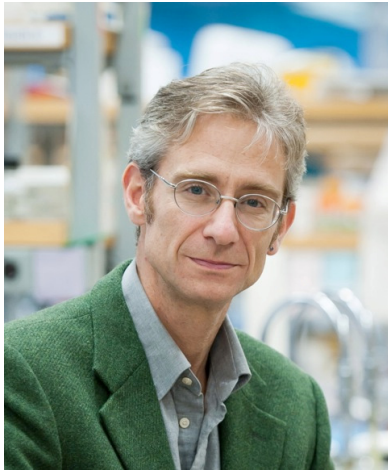


Wednesday, November 28, 2012  
12:00 pm  
in LSC3

Life Sciences Centre  
2350 Health Sciences Mall



## Dr. Fabio Rossi

*Professor*

*Department of Medical Genetics  
University of British Columbia*

## “Modulation of fibrogenic progenitors by inflammatory cells”

We have recently described a population of fibro/adipogenic progenitors resident in skeletal muscle and multiple other tissues. These vessel associated cells arise from an embryonic origin distinct from that of satellite cells, respond to damage by entering the cell cycle and quickly expand to invade the interstitial spaces of the regenerating tissue. From this position, these cells exert a trophic effect on myogenic cells and enhance regeneration. In healthy regenerating muscle, these cells are quickly ablated and return to the initial numbers found in undamaged tissue. In muscle in which regeneration is impaired, these cells persist and eventually differentiate into both adipocytes and myofibroblasts. This complex interaction between myogenic and fibro/adipogenic cells is further modulated by inflammatory cells and cytokines, suggesting a model in which crosstalk among multiple cell types is responsible for ensuring that the tissue is either efficiently restored to its original function or, if this is not possible, repaired via the formation of scar tissue. I will present our recent progress in identifying some of the molecules that mediate such crosstalk.

This Seminar is sponsored by:



Bayer HealthCare

Host: Dr. Ed Prydzial, Clinical Professor Pathology and Laboratory Medicine, Centre for Blood Research

a place of mind



Refreshments will be served 10 minutes before the seminar  
Seminar information: 604 822 7407

