CBR

The Centre for Blood Research Seminar Series

Wednesday, February 10, 2016

LSC 3 - Life Sciences Centre
2350 Health Sciences Mall
12-1pm

Dr. Jeff Karp

Associate Professor, *Brigham and Women's Hospital, Harvard Medical School*
Principal Faculty, *Harvard Stem Cell Institute*
Affiliate Faculty, *Massachusetts Institute of Technology*

"Towards Accelerated Medical Innovation"

This talk will explore platform technologies that are currently being developed in the KarpLab at the Brigham and Women's Hospital, Harvard Medical School, to tackle multiple medical problems. Namely, minimally invasive sealing of tissues and wounds including blood vessels and heart tissue, achieving long term local immunosuppression for treatment of vascularized composite allografts, and engineered stem cell therapy for treatment of diseases such as multiple sclerosis and prostate cancer. Many of the technologies developed in the Karplab harness lessons from nature for inspiration, as evolution represents millions and millions of years of research and development and thus nature truly is the best problem solver (creatures used for inspiration include geckos, spider webs, jellyfish, porcupine quills, snails, and spiny headed worms). This talk will also highlight a new research model for accelerated medical innovation. Some of the technologies that will be described are advancing towards clinical use while others have already been launched and are improving the quality of life of patients globally.

Live Online Seminar Viewing:
http://tinyurl.com/cbrseminaronline