



Department of Anatomy & Cell Biology



Regulation of centrosome homeostasis

Dr. William Tsang

Institut de recherches cliniques de Montréal (IRCM)
Cell Division & Centrosome Biology Unit Director

Centrosomes are organelles responsible for the organization and nucleation of microtubules in mammalian cells. Centrosomes are also required to form cilia, hair-like cell surface protrusions crucial for locomotion and sensation. Defects in cilia formation or ciliogenesis are linked to a myriad of human genetic diseases including Leber congenital amaurosis, retinitis pigmentosa, Senior-Løken syndrome and polycystic kidney disease. My lab is interested in understanding the mechanisms underlying the poorly understood process of ciliogenesis. In this talk, I will discuss recent data implicating a role for the ubiquitin system in the regulation of centrosome homeostasis and hence ciliogenesis.

Wednesday, November 16, 2016

11:30 am

**Strathcona Anatomy Building
3640 University Street
Room 2/36**

www.mcgill.ca/anatomy/seminars
anatomysec.med@mcgill.ca