

ASHBi SEMINAR

Exploring the Downstream Effects of Epigenetic Driver Mutations in Cancer: Disease informs Basic Science

Lecturer: **Dr. Jacek Majewski**

Department of Human Genetics
McGill University and Genome Quebec Innovation Centre

Date: Tuesday, 10th September 2019

Time: 17:00–18:30

Venue: seminar room 102, Faculty of Medicine Bldg. A

Epigenetic dysregulation is a key driver event in many cancers. Our group aims to understand chromatin alterations caused by oncogenic mutations in histone genes, specifically mutations affecting the H3K27 and H3K36 residues. We use CRSIPR genome editing coupled with genome-wide approaches such as RNA-seq, ChIP-seq, and WGBS. In addition to cancer relevance, our work provides insights into basic chromatin biology, particularly interdependencies between various chromatin modifications.



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