



David Knapp (Canada)

Position: Assistant Professor, 4-7 years

Organization: IRIC, University of Montreal

Lab: <https://www.irc.ca/en/research/principal-investigators/david-knapp>

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Research Area(s) of Focus: Cell and gene therapy, hematopoiesis, leukemia, microenvironment, stem cells and progenitors, systems biology

Available Position(s):

My research program combines high-resolution single-cell profiling with CRISPR-based genome engineering to dissect the molecular events that give individual hematopoietic stem cells a competitive advantage and understand how this can be manipulated to prevent leukemogenesis or improve regeneration. Students joining the group will gain hands-on experience with cutting-edge single-cell technologies, genome editing techniques, and computational analysis, with opportunities to drive independent projects that link mechanistic discovery to translational impact.