Position: Postdoctoral fellow in skeletal muscle stem cell biology

Institute:
Lady Davis Institute for Medical Research – Jewish General Hospital an affiliate institute of McGill University.

Our area of research:
Our laboratory (http://www.ladydavis.ca/en/vahabsoleimani) studies how skeletal muscle stem cells function to repair and regenerate muscle tissue. Specifically, we are interested in molecular mechanisms by which lineage-specific chromatin is established and how perturbation in chromatin structure and function contribute to muscle diseases. We apply NGS technologies such as ChIP- and RNA-Seq, cell lineage tracing and basic biochemistry, molecular and computational biology to study how muscle stem cells repair tissue and maintain their pool.

Qualifications:
PhD in basic biomedical sciences or related disciplines from a recognized university, strong background in chromatin biology is required, background in computational biology is an asset.

Duties: The fellow is expected to lead a research project to map key regulatory histone marks and transcription factors in muscle stem cells under normal development and in disease models. The project requires expertise in chromatin biology such as nano-scale ChIP-Seq and DNA library construction from pictograms of starting material for NGS sequencing.

Candidates with strong background in chromatin biology are encouraged to apply. Prior experience in muscle stem cell biology is an asset but not a crucial requirement. Candidate must demonstrate excellent oral and written communication skills, creative and critical thinking and be willing to work with other team members and independently.

How to apply? Please send your CV and a statement of your research interests to Dr. Vahab Soleimani (Vahab.soleimani@mcgill.ca).

We thank all candidates who apply but only shortlisted applicants will be contacted for interview.