



Graduate student positions available with Dr. Tanveer Sharif's Lab in the Tumor Suppressor Biology, Autophagy and Metabolism Program

Are you interested in becoming part of a highly motivated and enthusiastic team of researchers focused on identifying novel treatment strategies for highly aggressive adult and childhood brain tumors?

The Sharif lab, located on the Bannatyne Campus at the University of Manitoba in the heart of Winnipeg, Canada, is home to a cutting-edge research program that investigates novel metabolism-based precision medicine therapies for treating the most common types of malignant brain cancers in children and adults, medulloblastoma (MB) and glioblastoma (GBM). Our research projects are nationally funded with support from the Natural Sciences and Engineering Council (NSERC), the Canadian Institutes of Health Research (CIHR), and the Canadian Cancer Society (CCS). View our latest research published in *Nature Communications* here:

Martell, E., Kuzmychova, H., Kaul, E...Sharif, T. Metabolism-based targeting of MYC via MPC-SOD2 axis-mediated oxidation promotes cellular differentiation in group 3 medulloblastoma. *Nat Commun* 14, 2502 (2023).
<https://doi.org/10.1038/s41467-023-38049-9>



Team members will have access and gain training to use state-of-the-art and gold standard research tools and techniques such as a new in-house GeoMx Digital Spatial Profiler and Nanostring nCounter platform, optimal sectioning fluorescent and laser dissection microscopes, metabolic plate-reader assays, stem-cell tissue culture facilities, and *in vivo* brain tumor transplantation models.

We have exciting opportunities available for graduate students interested in pursuing a Master's degree with the possibility of transferring into a Ph.D. program or direct admission to Ph.D. Students will receive competitive stipends with opportunities to advance based on performance.

Candidates should have completed an undergraduate degree in a relevant program (e.g., Biochemistry, Genetics, Microbiology, Pathology, etc.) by May/September 2023 with a minimum GPA of 3.5. Preference will be given to students graduating with a degree from a Canadian University.

We are seeking candidates who are dedicated, goal-oriented, and innovative to join our dynamic team. Students with background knowledge in cancer biology and prior research experience (e.g., Undergraduate research studentships and Co-op work terms) are preferred. Strong scientific writing skills and presentation skills are considered an asset.

Interested applicants should send a *curriculum vitae* and transcripts to tanveer.sharif@umanitoba.ca. Candidates short-listed will be contacted for in-person or virtual interviews.