NSERC CREATE
Technology-Enhanced Pharmaceutical Discovery (TEPD)
Student Biography

Asghar Arshi PhD., York University

My name is Asghar Arshi (he/ him). A first year PhD candidate at Dr. Chun Peng' lab.
As a first year PhD student in the Department of Biology, York University, I work on the role of circular RNAs in cancer as emerging evidence suggests that these RNAs are promising diagnostic and therapeutic targets for cancer.
In our research, we investigate the varied function of circular RNAs, in the progression and development of ovarian cancer, a disease known for its high mortality rate among gynecological malignancies. Our focus is on understanding how circular RNAs, which is significantly upregulated in high-grade serous carcinoma (HGSC) - the most prevalent subtype of epithelial ovarian cancer (EOC), influences cancer cell behaviors such as proliferation, migration, and invasion.
By exploring the interactions between circular RNAs and other related factors, we aim to uncover novel insights into the molecular mechanisms driving ovarian cancer development. This could potentially lead to the identification of new diagnostic markers and therapeutic targets, offering hope for improved management and treatment outcomes for patients battling this devastating disease.