

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

Ayesha Chaudhry, PhD., York University

Ayesha Chaudhry, currently a PhD candidate at the Wilson Lab, completed her undergraduate in BSc. Honours in Biochemistry at York University. In the past, Ayesha has worked on a collaborative project with the University of Toronto to understand the structural impact of an oncogenic driver mutation (N642H) in the STAT5B protein. Currently, her research focuses on understanding the changes in conformational dynamics of intrinsically disordered proteins, primarily Tau-protein, to better understand their amyloidogenic role in neurodegenerative diseases, including Alzheimer's Disease. Ultimately, her goal is to improve our fundamental understanding of Tau pathology and further refine and improve the potency of next-generation anti-amyloid drugs.