

# NSERC CREATE

## Technology-Enhanced Pharmaceutical Discovery (TEPD)

### Student Biography

Luca Di Fabio PhD., York University

Following my graduation with a Bachelor of Science with Honours at the University of Toronto with a double major in Biochemistry and Chemistry, I joined the Ryan Hili lab at York University to continue my studies in chemical biology. This opportunity allowed me to pursue a subsector of chemical biology where I could fuse all of my scientific interests, namely the application of chemical approaches in biological settings. Since the beginning of my position as a graduate student at York University in the fall of 2023, I have been studying RNA-based PROTAC methods. I have since expanded my scope into studying other aptamer-based targeted protein degradation and developing novel methods for observing molecule-aptamer interactions.

I joined the Technology Enhanced Pharmaceutical Discovery (TEPD) program in the summer of 2024 to further develop my skills as part of an interdisciplinary, inter-university experience with strong ties to the pharmaceutical industry in Canada. Spearheaded by academic scientists across Canada and in collaboration with industry professionals, we strive to foster innovation within the Canadian pharmaceutical industry through advanced industrial and applied research experience