

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

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Luca Rustico completed his HSc in Biochemistry at York University in 2025, where he conducted undergraduate research in Dr. Jennifer Chen's group on nanoparticle biosensors and in Dr. Ryan Hili's lab on base-modified aptamers. He is now an MSc candidate in the Department of Chemistry at York University, continuing his work in the Hili Group to develop ligase-based methods for synthesizing chemically-modified nucleic acid aptamers. Luca is passionate about advancing nucleic acid therapeutics and bridging academic and industrial research.