

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

Shana Alexander, PhD., University of Toronto

Shana is a PhD candidate at the Institute of Biomedical Engineering at the University of Toronto, where her research spans DNA nanotechnology, cancer immunotherapy, and molecular engineering. She is a member of Dr. Leo Chou's lab who specializes in developing artificial, self-assembling molecular devices for biomedical applications. Shana recently published her work on origamiFISH-Flow, a sensitive and label-free technique for quantifying DNA nanostructures in cells and tissues. Before joining the University of Toronto, she earned her undergraduate degree in Chemical Engineering with a specialization in Biochemical Engineering from Western University.