

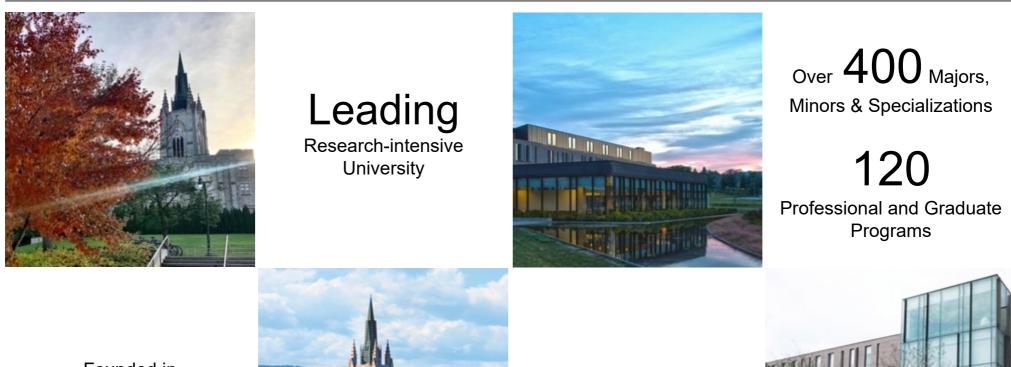


Section 1 Western University





Background



Founded in **1878**

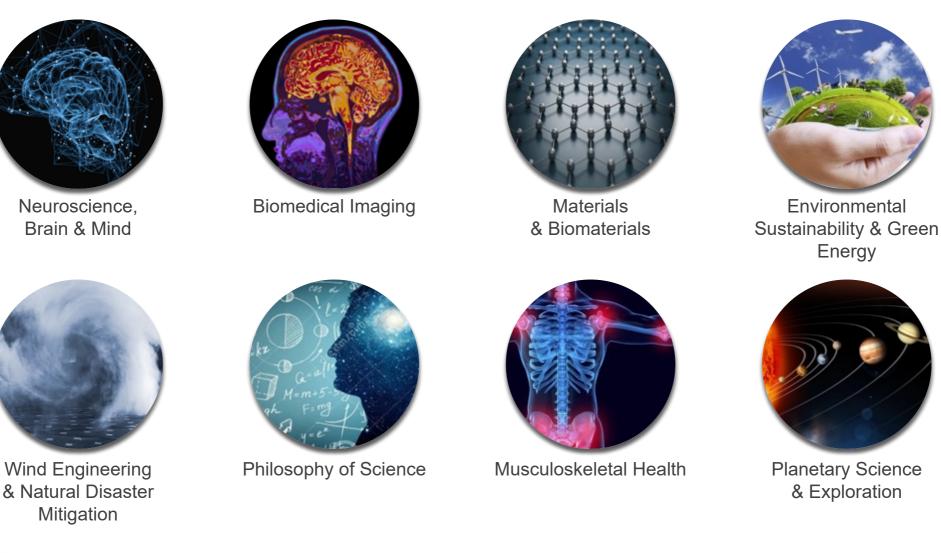


1,500 Full-time Faculty





Strengths & Signature









Strengths & Signature

Neuroscience, Brain & Mind

- 40+ years of global neuroscience expertise, 100+ active researchers
- \$66M BrainsCAN initiative with **McGill**
- Western Cluster of Research Excellence in Cognitive Neuroscience
- Brain and Mind Institute
 - o 8 Canada Research Chairs
 - Recruited CERC, Adrian Owen, from University of Cambridge
 - World's premier centre for high -field MR neuroimaging

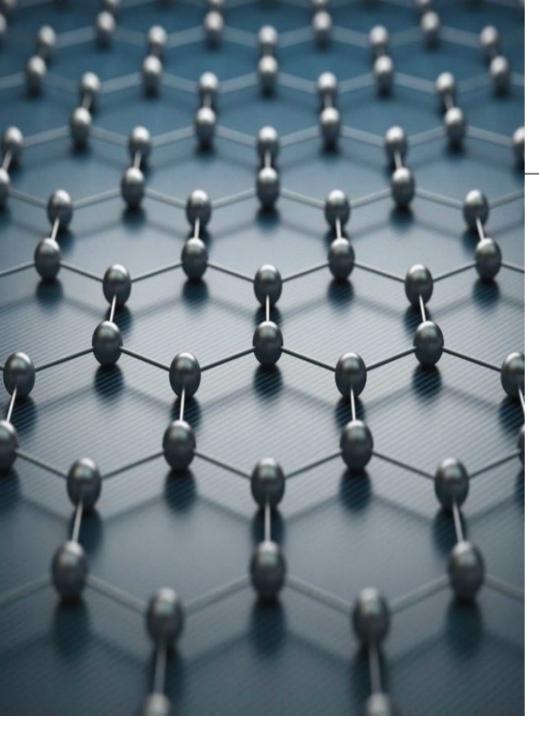


Strengths & Signature

Biomedical Imaging

- Core imaging facilities among best in the world, includes 7T MR system
- Biomedical Imaging Research Centre
 - o 400+ active researchers
 - o 9 Canada Research Chairs
- Spun-off seven companies; 50 patents over the past decade
- Focus
 - Neuroscience, Musculoskeletal Health, Image-guided Surgery







Strengths & Signature

Materials & Biomaterials

- 50+ active researchers, 6 Canada Research Chairs
- o Strengths
 - lightweight composites, surfaces and coatings, biomaterials, materials for energy

Surface Science Western

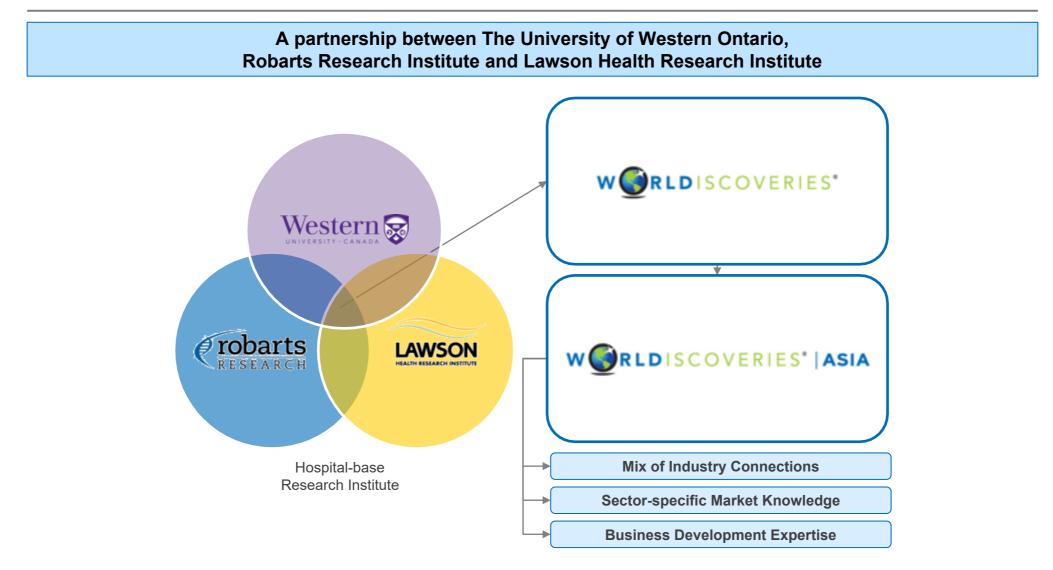
- Canada's most comprehensive surface analysis laboratory
- Fraunhofer Project Centre
 - Industry-scale production environment for new lightweight materials and processes

Section 2 WORLDiscoveries® Asia



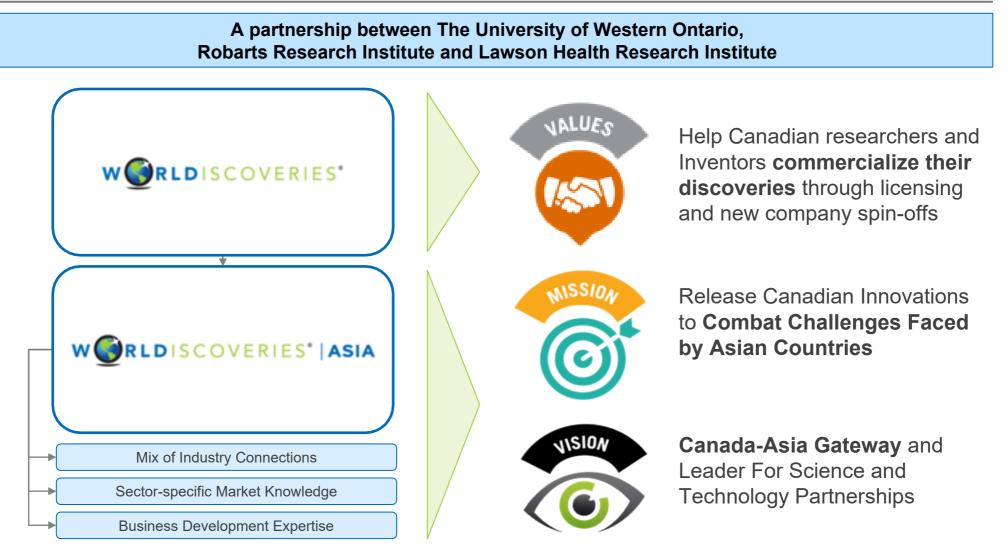


Western University Canada Technology Transfer Office



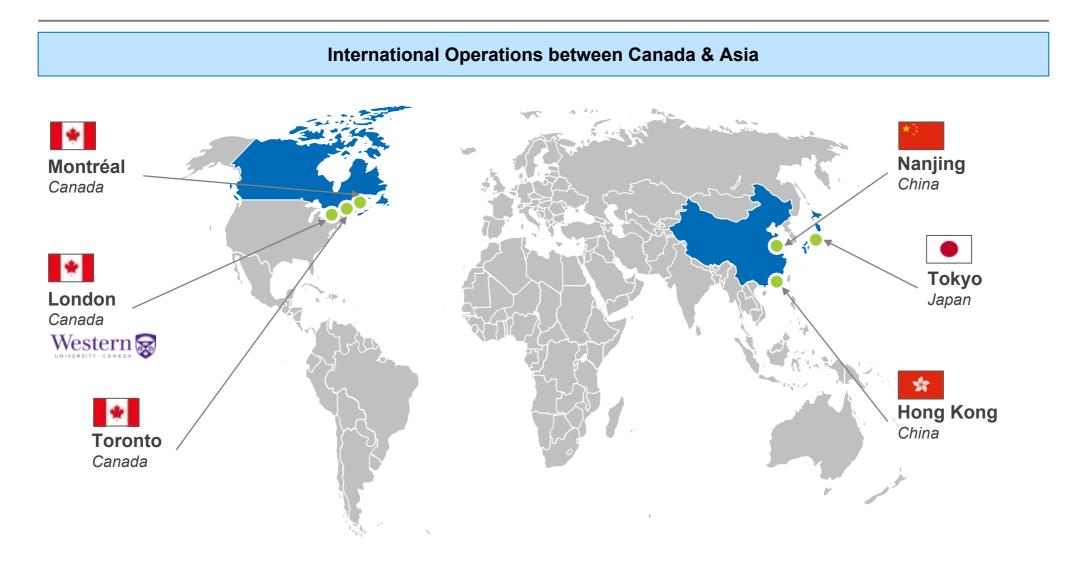


Western University Canada Technology Transfer Office





Offices and Operation





Section 3 Achievements





Achievements

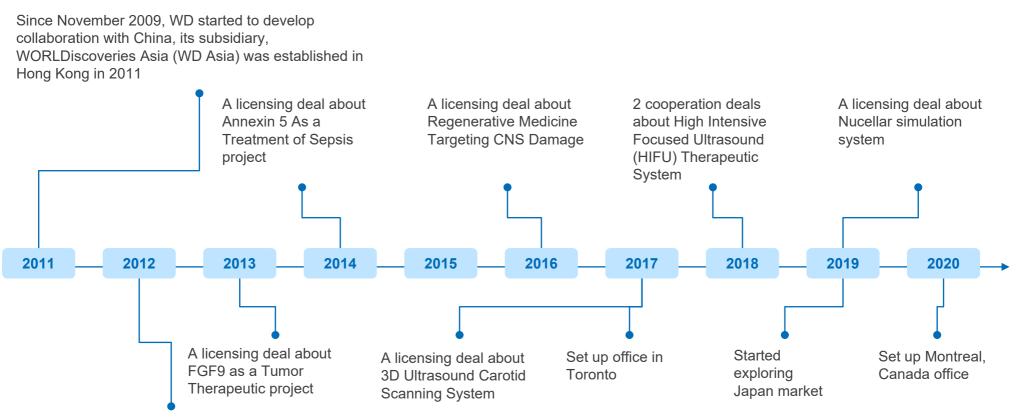
Highlights





Achievements

Milestones



Set up domestic company in Nanjing, China. The first permanent tech transfer operation set up in Asia by a Canadian university



Section 4 Portfolio





Portfolio

Projects

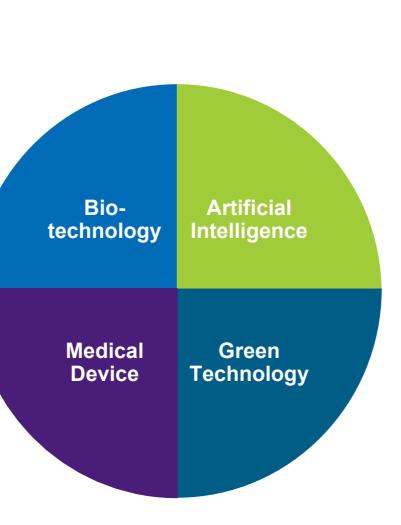


- Super Sentinel Cells, which is an off-the-shelf product to target invasive disease such as cancer
- New gene editor which cuts DNA differently to accurately disrupt or repair disease-causing genes.



- Simple solutions to dramatically improve surgical, emergency and respirological care.
- Less invasive yet expandable surgical access ports (trocars) for minimally invasive surgeries







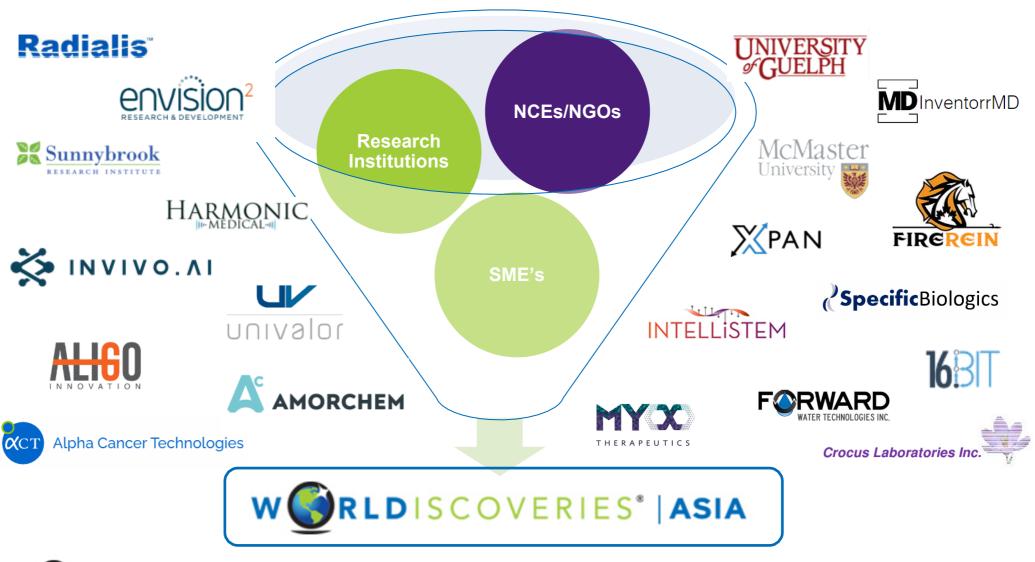
- Novel algorithms for dataefficient deep learning, with application in drug discovery
- Helps organizations of all sizes and maturities in their adoption of data science and artificial intelligence



- Cost-effective, convenient, zerowaste targeted gas cleaning solution
- Highly effective liquid disinfectant against bacteria and viruses

Portfolio

Partners





Section 5 Service





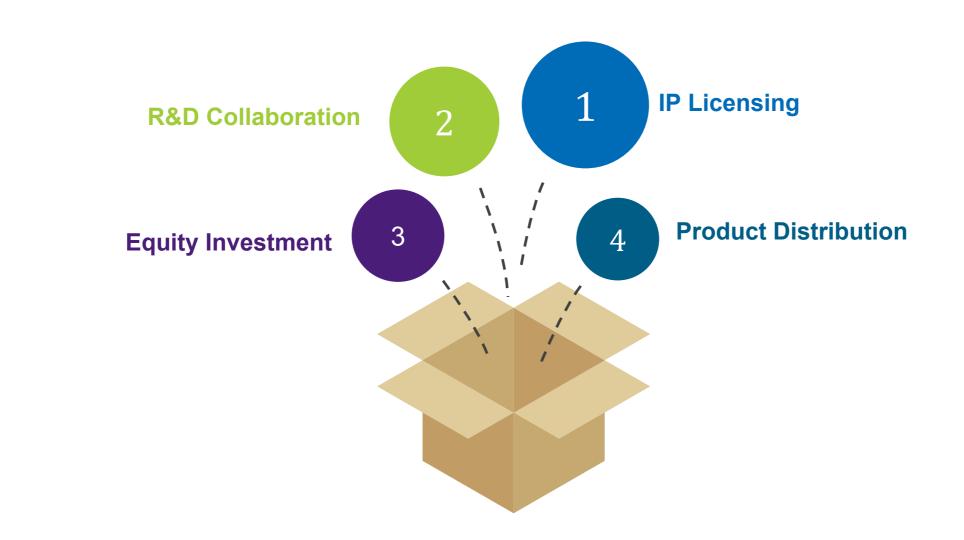
Service

Nation-wide Technology Scouting	\circ Represents a large number of advanced technologies from Canada
Partnership Facilitation	 Helps to initiate partnership discussions and facilitate follow-up communications
Deal Negotiation and Execution	$_{\odot}$ Acts as an intermediary to connect technology seekers in the region with the researchers and inventors who have the desired technologies
International Partnering Events Organization	 Leads Canadian delegation mission trips to Asia to have targeted road show events



Service

Collaboration Model





Thanks for your attention

