

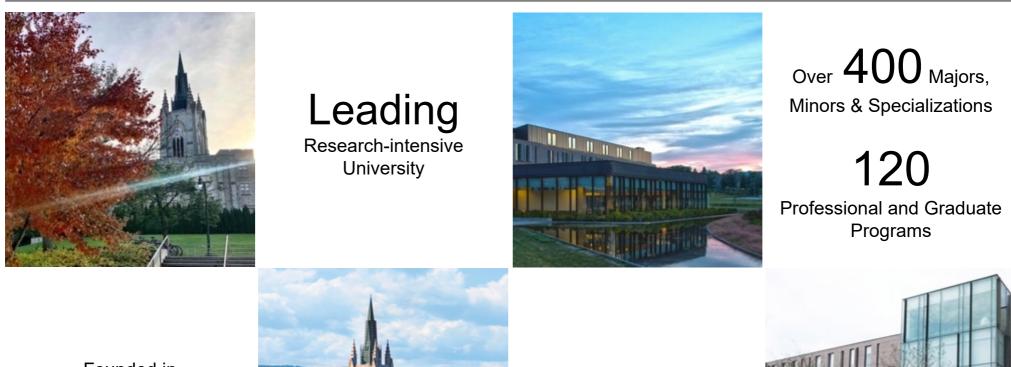


Section 1 Western University





Background



Founded in **1878**

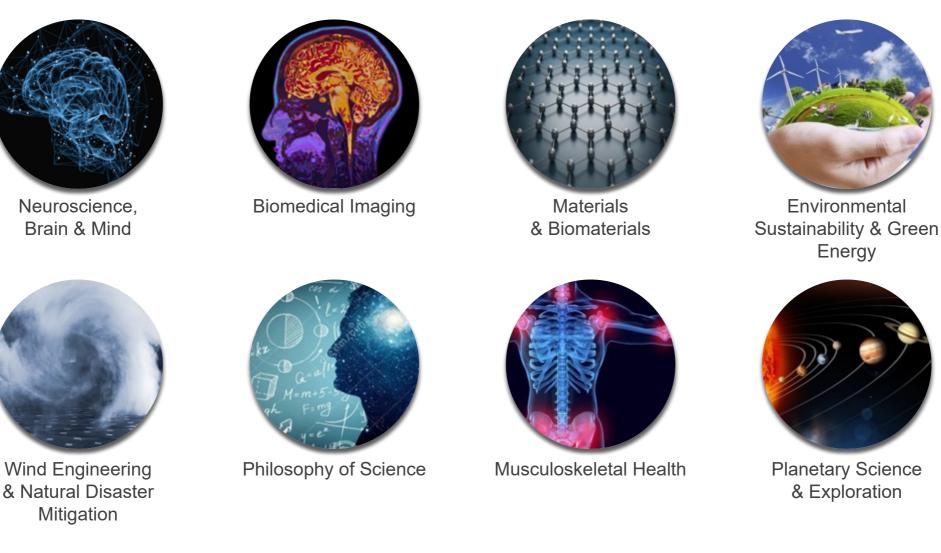


1,500 Full-time Faculty

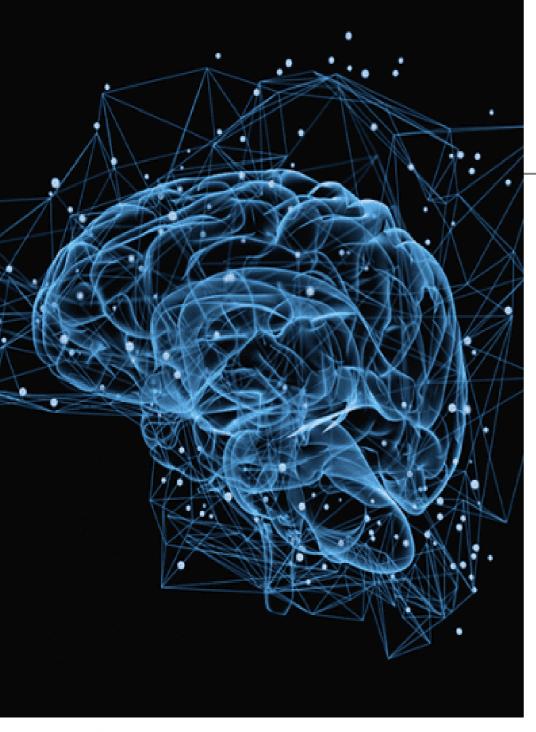




Strengths & Signature









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

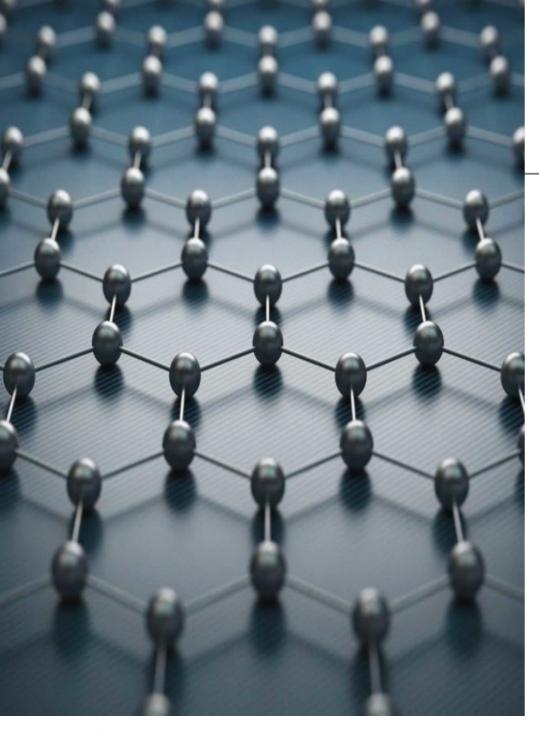


Strengths & Signature

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

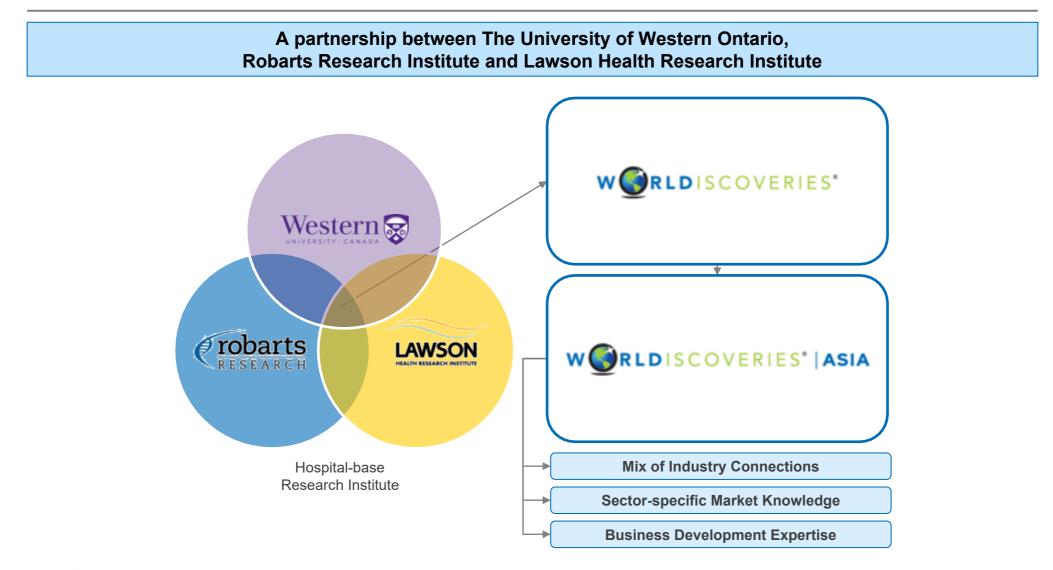
- Canada's most comprehensive surface analysis laboratory
- Fraunhofer Project Centre
 - Industry-scale production environment for new lightweight materials and processes

Section 2 WORLDiscoveries® Asia



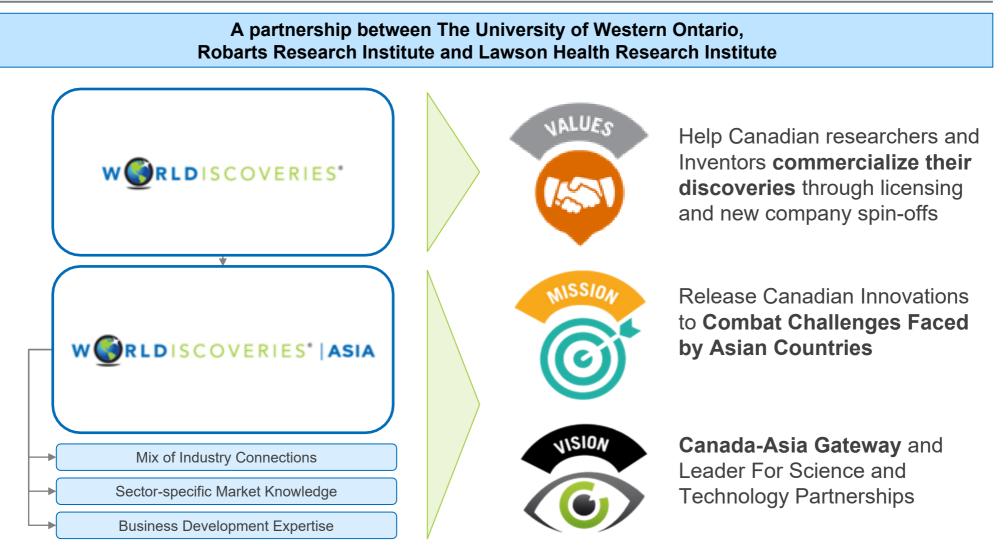


Western University Canada Technology Transfer Office



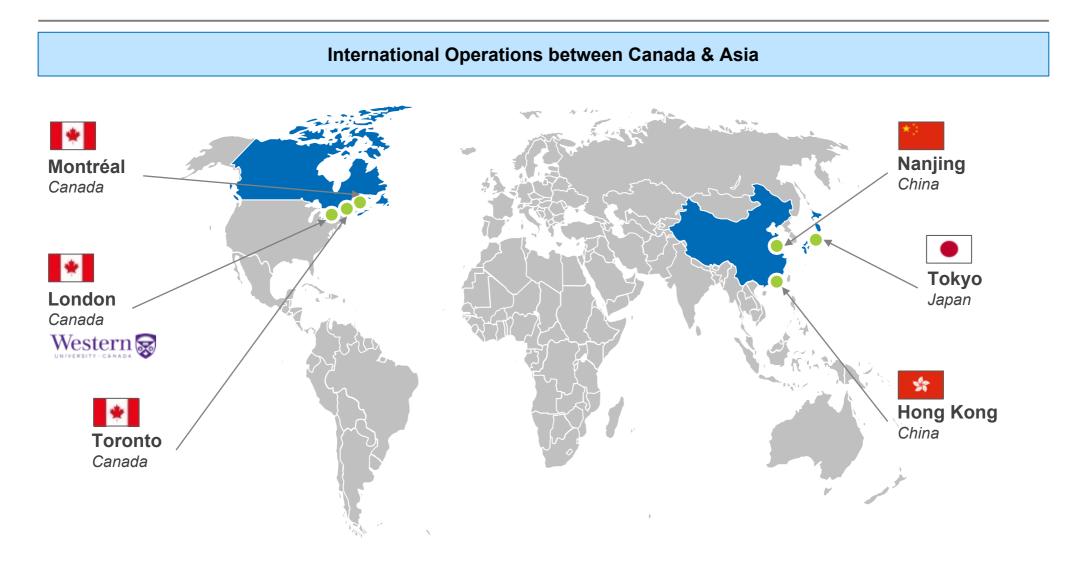


Western University Canada Technology Transfer Office





Offices and Operation





Section 3 Achievements





Achievements

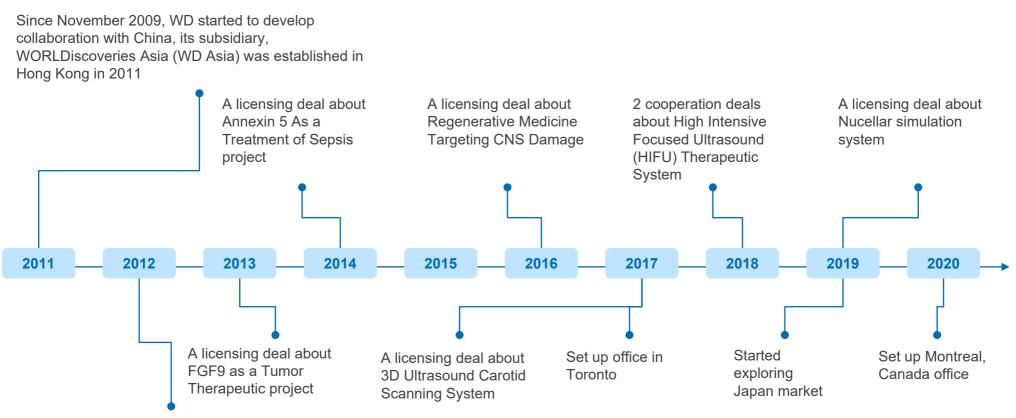
Highlights





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

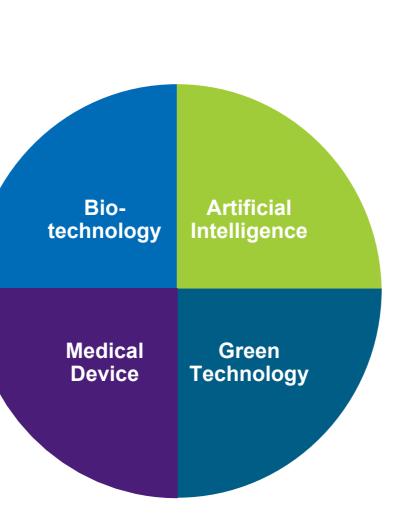


- Super Sentinel Cells, which is an off-the-shelf product to target invasive disease such as cancer
- New gene editor which cuts DNA differently to accurately disrupt or repair disease-causing genes.



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







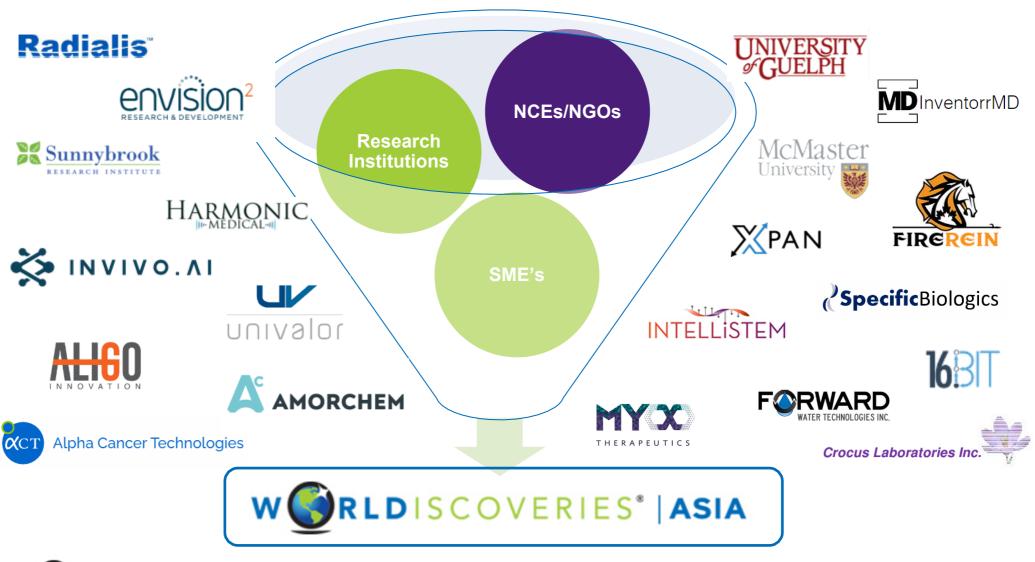
- Novel algorithms for dataefficient deep learning, with application in drug discovery
- Helps organizations of all sizes and maturities in their adoption of data science and artificial intelligence



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

Portfolio

Partners





Section 5 Service





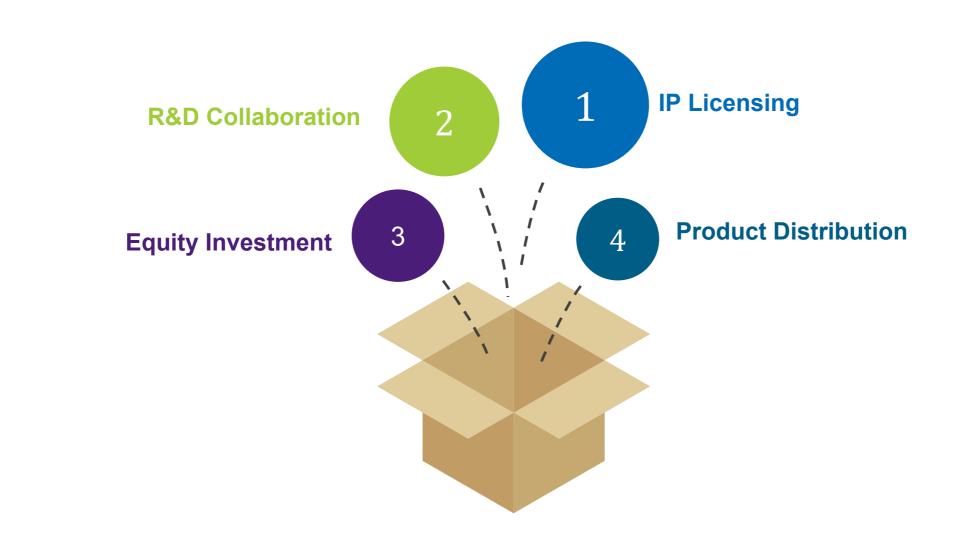
Service

| 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

