

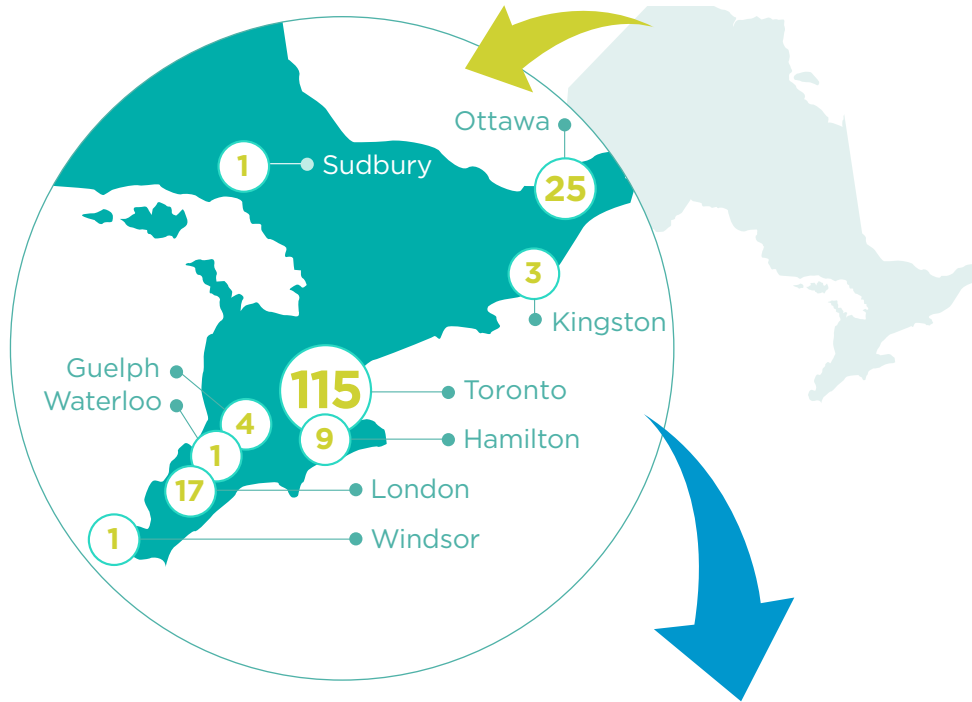
OIRM IMPACTS

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Our researchers collaborate across nine Ontario cities



Our Vision

OIRM is working to revolutionize the treatment of degenerative diseases, making Ontario a global leader in the development and commercialization of stem cell-based products and therapies.



In Profile

New Ideas Grant
(value \$75,000 in 2015)



Lead Investigator: James Ellis, SickKids Research Institute

Project Title: Control of RNA translation into proteins in human stem cells, neurons and disease

Disease Target: Rett Syndrome and other neurodevelopmental disorders

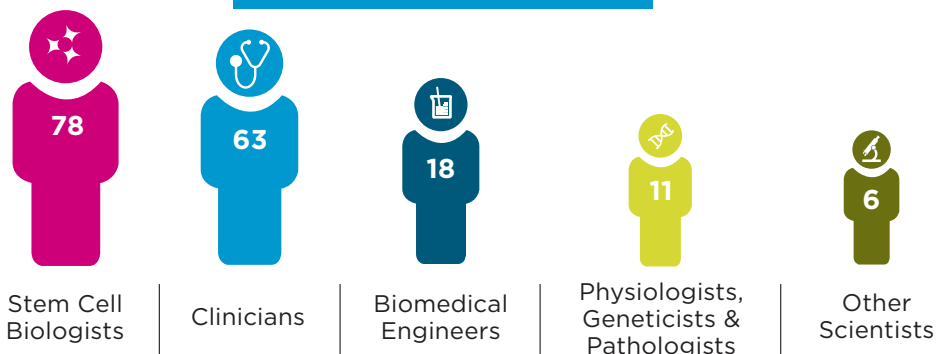
This team has identified a model of control for protein production within embryonic and neural cells, based on a study of the mutant MECP2 gene in Rett Syndrome. This model presents a possible way to control or treat Rett Syndrome and also has implications for many other neurodevelopmental disorders such as autism spectrum disorder.

Our Innovations

As of December 2015, OIRM has supported 24 research projects at 14 institutions and research hospitals:

- 7 DISEASE TEAMS**
 - Heart Disease (2)
 - Septic Shock
 - Immunotherapy
 - Pediatric Brain Repair
 - Spinal Cord Injury
 - Vision
- 17 NEW IDEAS GRANTS** *including*
 - Neurodegenerative diseases
 - Pluripotency
 - Liver
 - Lung
 - Immunotherapy

Our People



“ We see this OIRM grant as the cornerstone of something much bigger... if we understand the mechanism in normal development, we will also better understand what's happening when it goes awry. ”

-James Ellis, OIRM PI, Sickkids Research Institute