About the Krembil Research Institute (Krembil)

Krembil is the research arm of the Toronto Western Hospital. Research is conducted in the Krembil Discovery Tower—a nine-storey, state-of-the-art research and clinical centre with an award-winning design. Krembil is located just north of the intersection of Bathurst and Dundas, in downtown Toronto.

Selected Research Advancements


Improving Outcomes Certain immune cells originating from the gut may be linked to ankylosing spondylitis. Dr. Robert Inman found that these cells were enriched at sites of inflammation in the joints. Gracey E, et al. Ann Rheum Dis. 2016.

Seeing Cell Transplantation Dr. Valerie Wallace showed for the first time that cells injected into the retina to partially rescue vision do not actually integrate into the tissue; rather, their cell contents are transferred to existing cells. Ortín-Martínez A, et al. Stem Cells. 2017.

Reading One’s Brain Using magnetic resonance imaging, Dr. David Mikulis found a way to predict localized brain areas ‘at risk’ for stroke-like damage implicated in age-related intellectual decline. Sam K, et al. Ann Neurol. 2016.