MATHISON CENTRE BY THE NUMBERS
2012 - 2021

MORE THAN
$24M IN PHILANTHROPIC SUPPORT

MORE THAN
$95M IN GRANT SUPPORT

105 MATHISON RESEARCHERS

PRODUCED 4254 PUBLICATIONS

178K TOTAL CITATIONS

41.92 CITATIONS PER ARTICLE

INTERNATIONAL PARTNERSHIPS WITH 16 COUNTRIES WORLDWIDE

AND COLLABORATIONS WITH 100 INSTITUTES

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2012
Centre inaugurated with 11 members.

2013
First of its kind study in Canada using non-invasive brain stimulation technology called transcranial magnetic stimulation (TMS) to stimulate the frontal lobe in treating depression in adolescents.

2014
A breakthrough study by Drs. Ramasubbu and Kiss explored a “pacemaker for the brain”, using Deep Brain Stimulation for Treatment Resistant Depression. 50% of patients reported improved symptoms with chronic stimulation, 75% showed positive effect with long duration low intensity stimulation.

2015
Study suggests that in children affected by ADHD there may be initial abnormal development in part of the frontal lobe, which eventually leads to a thinner cortex in that region.

2016
Dr. Paul Arnold previously of the SickKids Hospital in Toronto is recruited as Director of the Mathison Centre.

2018
Dr. Kiss, Dr. Martino and others begin using a new technology – magnetic resonance guided focused ultrasound, that allows brain surgery without the need to cut the skin or drill into the skull. Study by Dr. Bains and team discovered that stress from others is contagious and can cause changes to the brain similarly to experiencing personal stress.

2019
Clinical trial studies by Dr. Taylor are testing if transplanting fecal matter from a healthy person to a person with bipolar depression can have positive results.

2020
Dr. Catherine Lebel, PhD, studies how children of mothers experiencing more numerous symptoms of depression in pregnancy, show altered connectivity in brain pathways involved in emotion. This can be related to increased hyperactivity and aggression in boys.

2021
Dr. Paul Arnold and colleagues discovered genetic risk factors for OCD that could help pave the way for earlier diagnosis and improved treatment for children and youth.

A study led by Dr. Deiner Exner-Cortens revealed that one in three Canadian youth experience adolescent dating violence.

2022
Persistent episodes of psychosis in mid-to-late life in cognitively normal people increases the risk for dementia, according to new research by Dr. Zahinoor Ismail and his research collaborators.

Dr. McGirr demonstrates that D-cycloserine enhances transcranial magnetic stimulation treatment showing possible improved outcomes for depression.

2023
Centre grows to 105 members.