

Rotman Research Institute Year in Review 2016-17



Our Mission

The Rotman Research Institute (RRI) at Baycrest advances knowledge on the causes of cognitive decline in older adults, identifies potential predictors and promising approaches to treatment of age-related brain disorders and illuminates lifestyle practices that will protect brain health longer.

RESEARCH MILESTONES



\$75K

in sales from Baycrest's gold standard, evidence-based training program, Goal Management Training®

1,000+

healthcare professionals trained to deliver Goal Management Training® to clients

Online version in development thanks to the **Centre for Aging and Brain Health Innovation**



Baycrest's the Virtual Brain was used to **predict the start and spread of epileptic seizures** for the first time



Discovered a **potential brain imaging predictor for early dementia**, before memory problems become noticeable



Released the **1st Canadian Brain Health Food Guide**

Used to educate older adults at:
• Baycrest Health Sciences
• Alzheimer Society of Toronto
• Elder Abuse Ontario



1st cross-institutional memory clinic in Canada that will help speed up dementia research

**Research
Snapshot**

292
studies
in progress

32
clinical research
projects launched

15,000+
study participants in
the Research Database

Baycrest



Baycrest researchers attracted 2x the national average of \$ per researcher (Research Infosource 2016)



24 grants received

\$1.5M

new research funding awarded

\$13.6M

total research funding

\$150K

per year allocated for staff to pursue commercialization activities or projects improving brain health

Pursuing new directions in research



Dr. Jean Chen appointed **Canada Research Chair in Neuroimaging of Aging**. Her work could help identify a person's risk of developing certain brain diseases.

Awarded **\$500K** over 5 years by the Government of Canada



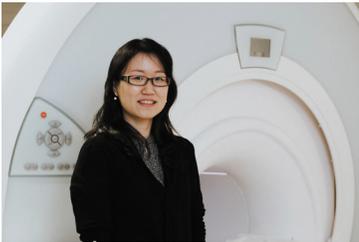
Dr. Tomáš Paus will explore the impact of cannabis use on mental health and the brain and inform how it impacts future brain health

Awarded **\$1.2M** over 5 years by the Canadian Institutes of Health Research



Dr. Bradley Buchsbaum will search for a unique brain signature that could help develop targeted treatments for brain diseases

Awarded **\$315K** over 3 years by the Canadian Institutes of Health Research



“Our work will pave the way for doctors to identify brain disorders before they develop and start preventive treatments to slow down or even stop the disease’s progression.”

- Dr. Jean Chen
Canada Research Chair in Neuroimaging of Aging

Recognized leaders in brain research



- Dr. Stephen Strother chosen as a **Canadian representative** for a global organization promoting collaborations in brain research
- Dr. Randy McIntosh was presented the **ORION Leadership Award** for his work on the Virtual Brain
- Dr. Gordon Winocur honoured with the **2017 Donald O. Hebb Distinguished Contribution Award** for his impact on the study of brain and behaviour
- Dr. Fergus Craik inducted into the **American Academy of Arts & Sciences** for his contributions to psychology



217 partnership and leadership collaborations



127 presentations done by scientists



73 hours of research training provided

RRI Community

27 scientists



2 Canada Research Chairs

55 trainees

50 support staff

Baycrest