

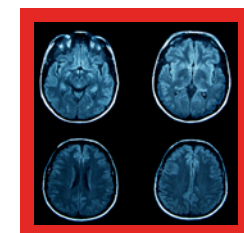
HOTCHKISS BRAIN INSTITUTE TURNS 20

2004



Beginnings: Hotchkiss Brain Institute is formed with Dr. Sam Weiss as the first director

2006



Pain relief: Dr. Zamponi and his team make progress in understanding how pain signals and our sensitivity to morphine can be altered within the nervous system, which can help migraine sufferers

2009



Philanthropy: Harley Hotchkiss and his wife Rebecca, continue their support for the HBI, committing \$39M towards a major endowment fund

2011



International connections: The Rebecca Hotchkiss International Scholar Exchange (RHISE) begins hosting visiting scholars and supporting learning at other world-renowned institutions

2013



Glioblastoma: leading research in the fight to treat brain cancer with promising new drugs

Brain injury: research team discovers how to better identify, prevent and treat concussions in sport

2015



Innovation: building an institute-wide neurotechnologies platform

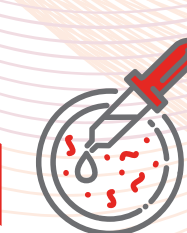
2017



Precision health: revolutionary technology allows brain surgery without breaking the skin

Multiple Sclerosis breakthrough: acne medication offers new hope for treatment

2019



Groundbreaking clinical trial: fecal transplants to treat major depression

Chronic pain relief: new research into brain circuits sparks optimism

2021



Unlocking consciousness: HBI scientists reveal quantum connection with anaesthesia

Neuroscience and NHL: \$2M commitment by McGill University's Tanenbaum Open Science Institute and Larry & Judy Tanenbaum Family Foundation fuels support for Open Science at the HBI

2023



Groundbreaking spinal cord implants: clinical trial begins testing a device for blood pressure monitoring after spinal cord injury

Mitigating dementia: research demonstrates a link between vitamin D and dementia prevention

2005



Cannabinoids: CB2 receptor discovered in the brain

2008



Bright futures: BSc Neuro program launches at the University of Calgary

Robotics: NeuroArm brings neurosurgery to new heights

2010



Past and present: Mackie Family History of Neuroscience Collection

KINARM launches: Dr. Dukelow helps develop a robotic stroke assessment and therapy delivery tool, the KINARM, enabling improved rehabilitation outcomes after stroke and brain injury

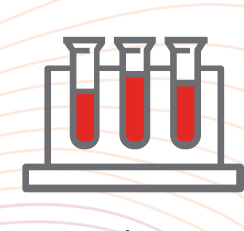
2012



Mental health: opening of the Mathison Centre for Mental Health Research & Education

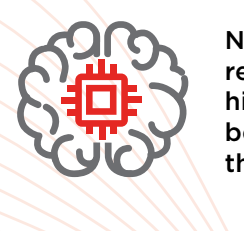
REALISE launches: new program helps trainees with opportunities for enhanced training and skills development

2014



Research space: construction begins on new Healthy Aging Laboratories to support collaborative research in the areas of stroke, dementia and movement disorders

2016



Neurotech success: new chip records brain cell activity at higher resolution, leading to a better understanding of how the brain functions

2018



ALS advancement: antipsychotic medication identified as potential ALS treatment

2020



Stroke recovery: new drug shows promise in preserving brain cells

Concussion network: HBI leads in the formation of Canadian Concussion Network

2022



Depression discovery: non-invasive brain stimulation treatment for depression is supercharged with a repurposed antibiotic

Alzheimer's insights: researchers use computer modelling to stimulate impact of Alzheimer's on the brain

2024



Vital interventions: HBI researchers quantify connection between homelessness and mental health disorders