HOTCHKISS BRAIN INSTITUTE TURNS 20

2004

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

2005

Cannabinoids: CB2 receptor discovered in the brain

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

2008

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

Robotics: NeuroArm brings neurosurgery to new heights

2009

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

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

2011

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

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

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

2014

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

2015

Innovation: building an institute-wide neurotechnologies platform

2016

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

2017

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

Multiple Sclerosis breakthrough: acne medication offers new hope for treatment

2018

ALS advancement: antipsychotic medication identified as potential ALS treatment

2019

Groundbreaking clinical trial: fecal transplants to treat major depression

Chronic pain relief: new research into brain circuits sparks optimism

2020

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

Stroke recovery: new drug shows promise in preserving brain cells

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

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

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

2024

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