The Sagol Brain Center

Bringing the care of the future into the present

The quest is on to unlock the mysteries of the human brain and discover the solutions to unsolved neurological and psychiatric conditions. The Sagol Brain Center has already achieved a number of patient-care firsts that include reversing the devastating effects of neuropsychiatric disorders, such as chronic pain and post-traumatic stress, alleviating anxiety and curing sleep disturbances. While these accomplishments have been global medical milestones, they merely scratch the surface of the possibilities.

The Sagol Neuroscience Center Building and Equipment
- The Sagol Neuroscience Center Building and Equipment
- Big Data & Analytics Center
- MEG Imaging System
- Advanced MRI scanner
- Intelligent Neuroimaging and Simulation Laboratory
- Sleep & Altered States Laboratory

First-ever functional imaging for awake surgery on epilepsy and brain-tumor patients in Israel

Long-term collaborations with Tel Aviv University, the Weizmann Institute, IBM and world-renowned neuroscience centers

First-ever treatment of post-traumatic stress in Israel with a brain-computer interface using simultaneous MRI/EEG

The global source for knowledge and discovery

The Center will be the international nucleus of brain science and medicine, heralding a world-wide revolution in brain health. Enlisting the power of novel imaging techniques, big-data bioinformatics and mobile solutions, the center will help reveal how the brain works – from its most intricate neurons to its big-picture function as an integrated super-system – and how it can be supported. The cornerstone imaging facility, featuring MRI and Electroencephalography (EEG) systems, will map brain wiring and activation non-invasively. Magnetoencephalography (MEG) will map brain function with unprecedented accuracy to the millimeter.

The Big Data & Analytics Center will supply and interpret enormous varieties and volumes of behavioral and biological data continuously streamed from clinical sources and wearable technologies. These findings will inspire researchers to develop novel therapies using non-invasive stimulation and brain-computer interfaces.

Personalized applications as broad as the functions of our gray matter

As the center transforms insights into medical applications, its goal is to implement non-invasive solutions tailored to each patient. This way, treatment will not be an impossible conundrum, but part of routine care – and prevention technologies will become the standard in medical practice.