Research Topics

Tenure Track Positions: NON-HUMAN PRIMATE RESEARCH [1]
Tenure Track Positions at ELSC Special Call: Non-Human Primate research computational-experimental approach
Read More [1]

Neurological Disorders [2]
Scientists at the Hebrew University are making similar advances in diseases as diverse as schizophrenia, depression, and Alzheimer's, and are starting to unravel the mechanisms underlying these illnesses.
Read More [2]

Consciousness and Cognition [3]
Researchers at ELSC use advanced EEG and fMRI brain mapping tools to understand what happens in the brain when we become aware of something.
Read More [3]

Movement Planning and Control [4]
Scientists at the "Movement Planning and Control" laboratories focus on basic questions such as: How is visual information translated for use by the motor system? How do motor neurons learn new patterns of movement? How and where are learned movements stored in motor memory? A special avenue of research is the development of Brain Machine Interfaces, the control of artificial, robotic limbs through a brain interface.
Read More [4]

Sensation and Perception [5]
The Sensation & Perception research labs at the Hebrew University focus on how our brain generates a representation of the world around us, combining incoming perceptual information with memory to enable us to act.
Read More [5]
The field of computational neuroscience combines theoretical physics, advanced mathematics and state-of-the-art computer technology to create powerful models of working neural networks.

It is now widely accepted that deciphering the enigma of the brain is the most challenging intellectual endeavor of the 21st century, "The Century of the Brain" - Join our quest and become a friend of ELSC.

Our Int'l Ph.D. program provides outstanding students with top-notch courses in computational neuroscience.

The Jerusalem Brain Sciences Building will provide a state-of-the-art research and teaching facility for the Edmond and Lily Safra Center for Brain Sciences.

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