Join us as we embark on the exciting and crucial brain research journey

**Understanding the enigma of the brain** is the most challenging endeavor of the 21st century. The human brain is the source of remarkable sensory, motor and emotional capabilities, but it is also at the core of many debilitating diseases. A deeper understanding of the mind-brain continuum is vital to the quality of life for millions of people.

A new scientific venture, the **Edmond and Lily Safra Center for Brain Sciences (ELSC)** is building upon Hebrew University’s record of excellence and innovation in its multidisciplinary approach to brain science. ELSC researchers focus on several broad areas of inquiry, including genes and neurons, neural networks and plasticity, cognitive neuroscience, computational neuroscience, and sensory and motor functions.

At **ELSC**, teams of scientists are working together to unravel the causal relationships between genes, brain circuits, cognition and behavior. ELSC provides an intellectual environment where interdisciplinary teams of neuroscientists can take brain research to an entirely new level, advancing scientific understanding of brain function and developing effective new therapeutic ? or preventive ? approaches to a spectrum of devastating brain disorders.
Scientists at ELSC are:

- Developing brain-machine interfaces that enable severely paralyzed patients to activate a robotic limb directly from their brain;
- Uncovering the perceptual basis of dyslexia and other learning disabilities;
- Translating basic research of the basal ganglia into treatment for Parkinson's patients via advanced deep brain stimulation;
- Investigating spatial attention and unconscious information processing following brain damage;
- Restoring sight in blind and visually impaired individuals using artificial vision and sensory substitution;
- Formulating powerful theoretical and computational approaches for understanding how the nervous system processes sensory information and generates movement.

Join us as we embark on this exciting and crucial journey:

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Philanthropic Opportunities

"Not everything that can be counted counts, and not everything that counts can be counted" Albert Einstein

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The Brain Circle

ELSC invites you to personally participate in its ongoing, impressive achievements in brain research by joining its Brain Circle.

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Studying at ELSC

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

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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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