Mezer Lab's web site

Biography

Dr. Mezer is a senior lecturer (equivalent to assistant professor) at the Edmond and Lily Safra Center for Brain Sciences (ELSC) at the Hebrew University of Jerusalem, Israel.

Research

Our research group’s ultimate goal is to develop an understanding of how individual specific biological structures influence human cognition, under both normal and pathological conditions.

Research in the lab is focused on in-vivo mapping of human brain structures. We are investigating the relationship between anatomy, function and behavior in the normal population and in neurological disorders. The research projects in the lab are focused on in-vivo quantitative magnetic resonance imaging (qMRI).

We are developing tools to biophysically explain MRI signals at different levels and resolutions: from molecular local sources through cellular organization to mapping of brain networks across the entire brain. Using these tools, we are studying brain development, aging and neurological disorders.

We are investigating the relationship between anatomy, function and behavior in the normal population and in patients with neurological disorders. The research projects in the lab are focused on in-vivo quantitative magnetic resonance imaging (qMRI).
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.

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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 Building

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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