Laboratory of Motor Control

Research

Our lab is interested in the operation of the motor system during physiological and pathological states. Our working hypothesis is that local computation within motor sites and interactions between remote sites contribute to the planning and execution of voluntary movements. Consequently, we are studying the **descending** mechanism(s) through which group of muscles are rapidly recruited for performing motor tasks. We further study the way **ascending** sensory information shapes motor actions by dictating the timing of these events.

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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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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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