Pain Plasticity Research Group

Biography

Image of Dorsal Root Ganglion labelled by PainBow (Leibowich H., Binshtok Lab)

OUR GROUP IS SEEKING EXCELLENT STUDENTS AND POSTDOCS [1]

Honors and Prizes

2016 - Innovation Forum Outstanding Visitors Award, Shanghai Jiao Tong University, China

2014 - Harvey Granat Award in Neuro-Anesthesia Research

Read more [2]

Research

We are studying the complex mechanisms that underlie the experience of pain with the hope that a better understanding can lead to more successful methods of control and treatment. Our research into the diversity of pain phenomena adopts a multidisciplinary approach; it incorporates novel imaging techniques and electrophysiological, histological and behavioral experiments, to study pain-related mechanisms at the molecular and cellular level, as well as the level of neuronal networks and behavior. It is anticipated that this integrative approach will yield a fundamental understanding of the multidimensional mechanisms involved in the unremitting suffering of pain experienced by so many people. New targets for the treatment of pain will be identified and lead to the development of new pain-specific anesthetic drugs which could
eliminate the sensation of pain much more effectively than currently available painkillers.

**Fundings**

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.

**Studying at ELSC**

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

**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.
Get into our media channel and investigate ELSC's latest videos: seminars, public lectures, courses and video articles.

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