Pain Plasticity Research Group

Biography

OUR GROUP IS SEEKING EXCELLENT STUDENTS AND POSTDOCS [1]

Honors and Prizes

2014 - Harvey Granat Award in Neuro-Anesthesia Research

2012 - The Prusiner - Abramsky Research Award in Clinical and Basic Neuroscience

2011 - Allon Fellowships for Outstanding Young Researchers

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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 able to be identified and lead to the development of new pain-specific anesthetic drugs that could eliminate the sensation of pain much more effectively than currently available painkillers.

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