This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

7862 HDAC6 Inhibition Reverses Cisplatin-Induced Mechanical Hypersensitivity via Tonic Delta Opioid Receptor Signaling
Jixiang Zhang, Jazzmine M. Junigan, Ronnie Trinh, Annemieke Kavelaars, Cobi J. Heijnen, and Peter M. Grace

7875 A Gap-Junction Mutation Reveals That Outer Hair Cell Extracellular Receptor Potentials Drive High-Frequency Cochlear Amplification
Snezana Levic, Victoria A. Lukashkina, Patricio Simões, Andrei N. Lukashkin, and Ian J. Russell

DEVELOPMENT/PLASTICITY/REPAIR

7885 Somatotopy of Mouse Spinothalamic Innervation and the Localization of a Noxious Stimulus Requires Deleted in Colorectal Carcinoma Expression by Phox2a Neurons
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7900 Activity-Induced Cortical Glutamatergic Neuron Nascent Proteins
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7921 Visual Deprivation Selectively Reduces Thalamic Reticular Nucleus-Mediated Inhibition of the Auditory Thalamus in Adults
Jessica L. Whitt, Gabriele Ewall, Darpan Chakraborty, Ayorinde Adegbesan, Rachel Lee, Patrick O. Kanold, and Hey-Kyoung Lee

SYSTEMS/CIRCUITS

7931 Cortical Ripples during NREM Sleep and Waking in Humans
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7947 Retrosplenial and Hippocampal Synchrony during Retrieval of Old Memories in Macaques
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7957 Structure–Function Dissociations of Human Hippocampal Subfield Stiffness and Memory Performance
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History of Previous Midlife Estradiol Treatment Permanently Alters Interactions of Brain Insulin-like Growth Factor-1 Signaling and Hippocampal Estrogen Synthesis to Enhance Cognitive Aging in a Rat Model of Menopause
Nina E. Baumgartner, Shannon M. McQuillen, Samantha F. Perry, Sangtawan Miller, Matthieu J. Maroteaux, Robert B. Gibbs, and Jill M. Daniel

CBP Is Required for Establishing Adaptive Gene Programs in the Adult Mouse Brain
Michal Lipinski, Sergio Niñerola, Miguel Fuentes-Ramos, Luis M. Valor, Beatriz del Blanco, Jose P. López-Atalaya, and Angel Barco

NEUROBIOLOGY OF DISEASE

Peripheral Auditory Nerve Impairment in a Mouse Model of Syndromic Autism
Nathan McChesney, Jeremy L. Barth, Jeffrey A. Rumschlag, Junying Tan, Adam J. Harrington, Kenyaria V. Noble, Carolyn M. McClaskey, Phillip Elvis, Silvia G. Vaena, Martin J. Romeo, Kelly C. Harris, Christopher W. Cowan, and Hainan Lang

Loss of Activity-Induced Mitochondrial ATP Production Underlies the Synaptic Defects in a Drosophila Model of ALS
Nicholas E. Karagas, Richa Gupta, Elham Rastegari, Kai Li Tan, Ho Hang Leung, Hugo J. Bellen, Kartik Venkatachalam, and Ching-On Wong

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