



**Cover legend:** This image shows expression of MEF2C protein (purple) in nuclei of type I spiral ganglion neurons (Class III  $\beta$ -TUBULIN<sup>+</sup>; green) in the young adult mouse auditory nerve. Nuclei were stained with Dapi (blue). For more information, see the article by McChesney et al. (pages 8002–8018).

Cover image: Hainan Lang.

## 7861 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**  
Shima Rastegar-Pouyani, Timothy E. Kennedy, and Artur Kania
- 7900 Activity-Induced Cortical Glutamatergic Neuron Nascent Proteins**  
Lucio M. Schiapparelli, Yi Xie, Pranav Sharma, Daniel B. McClatchy, Yuanhui Ma, John R. Yates 3rd, Anton Maximov, and Hollis T. Cline
- 7921 Visual Deprivation Selectively Reduces Thalamic Reticular Nucleus-Mediated Inhibition of the Auditory Thalamus in Adults**  
Jessica L. Whitt, Gabrielle 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**  
Charles W. Dickey, Ilya A. Verzhbinsky, Xi Jiang, Burke Q. Rosen, Sophie Kajfez, Emad N. Eskandar, Jorge Gonzalez-Martinez, Sydney S. Cash, and Eric Halgren
- 7947 Retrosplenial and Hippocampal Synchrony during Retrieval of Old Memories in Macaques**  
Ahmed T. Hussin, Saman Abbaspoor, and Kari L. Hoffman

#### BEHAVIORAL/COGNITIVE

- 7957 Structure–Function Dissociations of Human Hippocampal Subfield Stiffness and Memory Performance**  
Peyton L. Delgorio, Lucy V. Hiscox, Ana M. Daugherty, Faria Sanjana, Grace McIlvain, Ryan T. Pohlig, Matthew D.J. McGarry, Christopher R. Martens, Hillary Schwarb, and Curtis L. Johnson

- 7969 **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
- 7984 **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

- 8002 **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
- 8019 **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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