

October 28, 2015 • Volume 35 Number 43 • www.jneurosci.org



Cover legend: Spongy myelin degeneration is the hallmark of Canavan disease, which is caused by the accumulation of N-acetylaspartate. This image shows a section from the cerebellum of an aspartoacylase-deficient mouse (an animal model for Canavan disease) exhibiting widespread vacuolation throughout the white matter. For more information, see the article by Maier et al. (pages 14501–14516).

i This Week in The Journal

# **Journal Club**

14423 Multisensory Integration Reveals Temporal Coding across a Human Sensorimotor Network

Bartlett D. Moore IV, Eleonora Bartoli, Suganya Karunakaran, and Kamin Kim

## **Brief Communications**

14681 Selective Dysregulation of Hippocampal Inhibition in the Mouse Lacking Autism Candidate Gene *CNTNAP2* 

Sofia Jurgensen and Pablo E. Castillo

# **Articles**

#### CELLULAR/MOLECULAR

14457 Voltage-Mediated Control of Spontaneous Bundle Oscillations in Saccular Hair Cells Sebastiaan W. F. Meenderink, Patricia M. Quiñones, and Dolores Bozovic

14636 Alternative Splicing in Ca<sub>v</sub>2.2 Regulates Neuronal Trafficking via Adaptor Protein Complex-1 Adaptor Protein Motifs

Natsuko Macabuag and Annette C. Dolphin

## DEVELOPMENT/PLASTICITY/REPAIR

14467 Retinoic Acid Receptor  $\beta$  Controls Development of Striatonigral Projection Neurons through FGF-Dependent and Meis1-Dependent Mechanisms

Monika Rataj-Baniowska, Anna Niewiadomska-Cimicka, Marie Paschaki, Monika Szyszka-Niagolov, Laura Carramolino, Miguel Torres, Pascal Dollé, and Wojciech Krężel

14517 Radial Glial Cell-Neuron Interaction Directs Axon Formation at the Opposite Side of the Neuron from the Contact Site

Chundi Xu, Yasuhiro Funahashi, Takashi Watanabe, Tetsuya Takano, Shinichi Nakamuta, Takashi Namba, and Kozo Kaibuchi

14557 The Unfolded Protein Response and Cholesterol Biosynthesis Link Luman/CREB3 to Regenerative Axon Growth in Sensory Neurons

Zhengxin Ying, Ruiling Zhai, Nikki A. McLean, Jayne M. Johnston, Vikram Misra, and Valerie M. K. Verge