



**Cover legend:** This image shows the distribution of the  $\alpha 2\delta$ -1-NMDA receptor protein complex (red) in a HEK293 cell transfected with GFP (green). The proximity ligation assay signal of the  $\alpha 2\delta$ -1-NMDA receptor complex was detected using anti- $\alpha 2\delta$ -1 and anti-GluN1 antibodies. See Zhou, Chen, et al. (pages 6415–6429) for details.  
Cover image: Hui-Lin Pan.

## 6367 This Week in The Journal

### Journal Club

- 6368 **Why Does the Neocortex Need the Cerebellum for Working Memory?**  
Heike Stein

### Research Articles

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- 6371 **Cannabidiol Inhibition of Murine Primary Nociceptors: Tight Binding to Slow Inactivated States of  $\text{Na}_v 1.8$  Channels**  
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- 6388 **Subregion-Specific Regulation of Dopamine D1 Receptor Signaling in the Striatum: Implication for L-DOPA-Induced Dyskinesia**  
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- 6415 **Protein Kinase C-Mediated Phosphorylation and  $\alpha 2\delta$ -1 Interdependently Regulate NMDA Receptor Trafficking and Activity**  
Meng-Hua Zhou (周孟华), Shao-Rui Chen (陈少瑞), Li Wang (王力), Yuying Huang (黄玉莹), Meichun Deng (邓梅春), Jixiang Zhang (张吉祥), Jiyuan Zhang (张继远), Hong Chen (陈红), Jiusheng Yan (闫久胜), and Hui-Lin Pan (潘惠麟)

#### DEVELOPMENT/PLASTICITY/REPAIR

- 6430 **The Serine Protease Homolog, Scarface, Is Sensitive to Nutrient Availability and Modulates the Development of the *Drosophila* Blood–Brain Barrier**  
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#### SYSTEMS/CIRCUITS

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- 6468 **Comodulation of h- and  $\text{Na}^+/\text{K}^+$  Pump Currents Expands the Range of Functional Bursting in a Central Pattern Generator by Navigating between Dysfunctional Regimes**  
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## BEHAVIORAL/COGNITIVE

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- 6526 Disentangling Semantic Composition and Semantic Association in the Left Temporal Lobe**  
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## NEUROBIOLOGY OF DISEASE

- 6551  $\alpha 2\delta$ -1-Dependent NMDA Receptor Activity in the Hypothalamus Is an Effector of Genetic-Environment Interactions That Drive Persistent Hypertension**  
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- 6564 Inflammation-Induced Histamine Impairs the Capacity of Escitalopram to Increase Hippocampal Extracellular Serotonin**  
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