



**Cover legend:** This image shows a section of brain from an embryonic day 18 (E18) mouse lacking the motile cilia gene *Ccdc39*. These mice develop progressive hydrocephalus starting at postnatal day 1, with thinning of layers II–IV by postnatal day 8, but at E18, cortical layers are well retained, as indicated by staining with markers of layers II–IV (SATB2; red), layer V (CTIP2; green), and layer VI (TBR1; purple). For more information, see the article by Iwasawa et al. (pages 1820–1844). Cover image by Iwasawa E.

## 1629 This Week in The Journal

### Research Articles

#### CELLULAR/MOLECULAR

- 1630 Dendritic Morphology of an Inhibitory Retinal Interneuron Enables Simultaneous Local and Global Synaptic Integration**  
Espen Hartveit, Margaret Lin Veruki, and Bas-Jan Zandt
- 1648 KCTD8 and KCTD12 Facilitate Axonal Expression of GABA<sub>B</sub> Receptors in Habenula Cholinergic Neurons**  
Yuqi Ren, Yang Liu, Sanduo Zheng, and Minmin Luo
- 1666 Stabilization of Spine Synaptopodin by mGluR1 Is Required for mGluR-LTD**  
Luisa Speranza, Yanis Inglebert, Claudia De Sanctis, Pei You Wu, Magdalena Kalinowska, R. Anne McKinney, and Anna Francesconi

#### DEVELOPMENT/PLASTICITY/REPAIR

- 1679 Daam2 Regulates Myelin Structure and the Oligodendrocyte Actin Cytoskeleton through Rac1 and Gelsolin**  
Carlo D. Cristobal, Chih-Yen Wang, Zhongyuan Zuo, Joshua A. Smith, Aaron Lindeke-Myers, Hugo J. Bellen, and Hyun Kyoung Lee

#### SYSTEMS/CIRCUITS

- 1692 Contralateral Limb Specificity for Movement Preparation in the Parietal Reach Region**  
Eric Mooshagian, Eric A. Yttri, Arthur D. Loewy, and Lawrence H. Snyder
- 1702 Transient Coupling between Infragranular and Subplate Layers to Layer 1 Neurons Before Ear Opening and throughout the Critical Period Depends on Peripheral Activity**  
Binghan Xue, Xiangying Meng, Yanqing Xu, Joseph P. Y. Kao, and Patrick O. Kanold
- 1719 TRPV1-Lineage Somatosensory Fibers Communicate with Taste Neurons in the Mouse Parabrachial Nucleus**  
Jinrong Li, Md Sams Sazzad Ali, and Christian H. Lemon
- 1738 Dopamine Release in Nucleus Accumbens Is under Tonic Inhibition by Adenosine A<sub>1</sub> Receptors Regulated by Astrocytic ENT1 and Dysregulated by Ethanol**  
Bradley M. Roberts, Elizabeth Lambert, Jessica A. Livesey, Zhaofa Wu, Yulong Li, and Stephanie J. Cragg

## BEHAVIORAL/COGNITIVE

- 1752 **Out of Rhythm: Compromised Precision of Theta-Gamma Coupling Impairs Associative Memory in Old Age**  
Anna E. Karlsson, Ulman Lindenberger, and Myriam C. Sander
- 1765 **The Retrieval-Related Anterior Shift Is Moderated by Age and Correlates with Memory Performance**  
Sabina Srokova, Paul F. Hill, and Michael D. Rugg
- 1777 **Sleep-Dependent Facilitation of Visual Perceptual Learning Is Consistent with a Learning-Dependent Model**  
Masako Tamaki and Yuka Sasaki
- 1791 **The Brain Selectively Tunes to Unfamiliar Voices during Sleep**  
Mohamed S. Ameen, Dominik P.J. Heib, Christine Blume, and Manuel Schabus
- 1804 **Integrating Reward Information for Prospective Behavior**  
Sam Hall-McMaster, Mark G. Stokes, and Nicholas E. Myers

## NEUROBIOLOGY OF DISEASE

- 1820 **The Anti-Inflammatory Agent Bindarit Attenuates the Impairment of Neural Development through Suppression of Microglial Activation in a Neonatal Hydrocephalus Mouse Model**  
Eri Iwasawa, Farrah N. Brown, Crystal Shula, Fatima Kahn, Sang Hoon Lee, Temugin Berta, David R. Ladle, Kenneth Campbell, Francesco T. Mangano, and June Goto
- 1845 **Disrupting the Balance of Protein Quality Control Protein UBQLN2 Accelerates Tau Proteinopathy**  
Julia E. Gerson, Stephanie Sandoval-Pistorius, Jacqueline P. Welday, Aleija Rodriguez, Jordan D. Gregory, Nyjerus Liggans, Kylie Schache, Xingli Li, Hanna Trzeciakiewicz, Sami Barmada, Lisa M. Sharkey, and Henry L. Paulson
- 1864 **Dual PI3K $\delta$ / $\gamma$  Inhibitor Duvelisib Prevents Development of Neuropathic Pain in Model of Paclitaxel-Induced Peripheral Neuropathy**  
Pavel Adamek, Mario Heles, Anirban Bhattacharyya, Monica Pontearso, Jakub Slepicka, and Jiri Palecek

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