



**Cover legend:** This image shows GFAP-Cre activity (tdTomato/red) in a choroid plexus (marked by  $\beta$ -catenin/green) of a lateral ventricle of mouse brain at postnatal day 7. For more information, see the article by Wu et al. (pages 3862–3879).

## 3693 This Week in The Journal

### Research Articles

#### CELLULAR/MOLECULAR

- 3694 M-Current Inhibition in Hippocampal Excitatory Neurons Triggers Intrinsic and Synaptic Homeostatic Responses at Different Temporal Scales**  
Jonathan Lezmy, Hana Gelman, Maxim Katsenelson, Boaz Styr, Eliav Tikochinsky, Maya Lipinsky, Asher Peretz, Inna Slutsky, and Bernard Attali
- 3707 Calcineurin Inhibition Causes  $\alpha 2\delta$ -1-Mediated Tonic Activation of Synaptic NMDA Receptors and Pain Hypersensitivity**  
Yuying Huang (黄玉莹), Shao-Rui Chen (陈少瑞), Hong Chen (陈红), Yi Luo (罗艺), and Hui-Lin Pan (潘惠麟)
- 3720 Nestin Selectively Facilitates the Phosphorylation of the Lissencephaly-Linked Protein Doublecortin (DCX) by cdk5/p35 to Regulate Growth Cone Morphology and Sema3a Sensitivity in Developing Neurons**  
Christopher J. Bott, Lloyd P. McMahon, Jason M. Keil, Chan Choo Yap, Kenneth Y. Kwan, and Bettina Winckler

#### DEVELOPMENT/PLASTICITY/REPAIR

- 3741 Molecular Mechanisms of Non-ionotropic NMDA Receptor Signaling in Dendritic Spine Shrinkage**  
Ivar S. Stein, Deborah K. Park, Juan C. Flores, Jennifer N. Jahncke, and Karen Zito

#### SYSTEMS/CIRCUITS

- 3751 The Correlation of Neuronal Signals with Behavior at Different Levels of Visual Cortex and Their Relative Reliability for Behavioral Decisions**  
Incheol Kang and John H.R. Maunsell
- 3768 A Causal Role for Mouse Superior Colliculus in Visual Perceptual Decision-Making**  
Lupeng Wang, Kerry McAlonan, Sheridan Goldstein, Charles R. Gerfen, and Richard J. Krauzlis
- 3783 Streaming of Repeated Noise in Primary and Secondary Fields of Auditory Cortex**  
Daniela Saderi, Brad N. Buran, and Stephen V. David
- 3799 MECP2 Duplication Causes Aberrant GABA Pathways, Circuits and Behaviors in Transgenic Monkeys: Neural Mappings to Patients with Autism**  
Dan-Chao Cai, Zhiwei Wang, Tingting Bo, Shengyao Yan, Yilin Liu, Zhaowen Liu, Kristina Zeljic, Xiaoyu Chen, Yafeng Zhan, Xiu Xu, Yasong Du, Yingwei Wang, Jing Cang, Guang-Zhong Wang, Jie Zhang, Qiang Sun, Zilong Qiu, Shengjin Ge, Zheng Ye, and Zheng Wang

## BEHAVIORAL/COGNITIVE

- 3815 Uncharacteristic Task-Evoked Pupillary Responses Implicate Atypical Locus Ceruleus Activity in Autism**  
Michael C. Granovetter, Charlie S. Burlingham, Nicholas M. Blauch, Nancy J. Minshew, David J. Heeger, and Marlene Behrmann
- 3827 Modulations of Insular Projections by Prior Belief Mediate the Precision of Prediction Error during Tactile Learning**  
Bin A. Wang (王斌), Lara Schlaffke, and Burkhard Pleger
- 3838 Cognitive Effort Modulates Connectivity between Dorsal Anterior Cingulate Cortex and Task-Relevant Cortical Areas**  
Bart Aben, Cristian Buc Calderon, Eva Van den Bussche, and Tom Verguts

## NEUROBIOLOGY OF DISEASE

- 3849 Neonatal Stroke and TLR1/2 Ligand Recruit Myeloid Cells through the Choroid Plexus in a CX3CR1-CCR2- and Context-Specific Manner**  
Aditya Rayasam, Joel Faustino, Matthieu Lecuyer, and Zinaida S. Vexler
- 3862 Ependymal Vps35 Promotes Ependymal Cell Differentiation and Survival, Suppresses Microglial Activation, and Prevents Neonatal Hydrocephalus**  
Kong-yan Wu, Fu-lei Tang, Daehoon Lee, Yang Zhao, Hyunjin Song, Xiao-Juan Zhu, Lin Mei, and Wen-Cheng Xiong

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