



Cover legend: This image shows cone photoreceptors directly contacting microglia within the outer plexiform layer of the human retina. The tissue was immunolabeled with antibodies against calbindin (green) and peanut agglutinin (blue), and microglia were labeled with monocyte marker ionized calcium-binding adapter molecule 1 (red). Microglia, photoreceptor interaction plays an important role in postnatal photoreceptor maturation, with loss of fractalkine-Cx3cr1 signaling leading to an altered distribution of cilium proteins, failure of outer segment elongation, and cone photoreceptor loss. For more information see the article by Jobling et al. (pages 4708–4723).

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- 4666 **MCU Interacts with Miro1 to Modulate Mitochondrial Functions in Neurons**
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- 4708 **The Role of the Microglial Cx3cr1 Pathway in the Postnatal Maturation of Retinal Photoreceptors**
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- 4774 **Genetic Ablation of All Cerebellins Reveals Synapse Organizer Functions in Multiple Regions Throughout the Brain**
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- 4791 **Canonical TGF- β Signaling Negatively Regulates Neuronal Morphogenesis through TGIF/Smad Complex-Mediated CRMP2 Suppression**
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- 4829 **Altered Excitability and Local Connectivity of mPFC-PAG Neurons in a Mouse Model of Neuropathic Pain**
John Cheriyan and Patrick L. Sheets

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- 4762 **NMDA Receptor Signaling Is Important for Neural Tube Formation and for Preventing Antiepileptic Drug-Induced Neural Tube Defects**
Eduardo B. Sequerra, Raman Goyal, Patricio A. Castro, Jacqueline B. Levin, and Laura N. Borodinsky
- 4811 **mTORC1 Is Transiently Reactivated in Injured Nerves to Promote c-Jun Elevation and Schwann Cell Dedifferentiation**
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- 4655 **Mesocorticolimbic Connectivity and Volumetric Alterations in DCC Mutation Carriers**
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- 4695 **Distribution of Spinal Neuronal Networks Controlling Forward and Backward Locomotion**
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- 4724 **Neural Representations of Sensorimotor Memory- and Digit Position-Based Load Force Adjustments Before the Onset of Dexterous Object Manipulation**
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BEHAVIORAL/COGNITIVE

- 4738 **Cortical Mechanisms of Prioritizing Selection for Rejection in Visual Search**
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NEUROBIOLOGY OF DISEASE

- 4678 **Striatal Direct and Indirect Pathway Output Structures Are Differentially Altered in Mouse Models of Huntington's Disease**
Joshua Barry, Garnik Akopian, Carlos Cepeda, and Michael S. Levine
- 4840 **Correction:** The article "Differential Synaptic Remodeling by Dopamine in Direct and Indirect Striatal Projection Neurons in *Pitx3*^{-/-} Mice, a Genetic Model of Parkinson's Disease" by Luz M. Suarez, Samuel Alberquilla, Jose R. García-Montes and Rosario Moratalla, appeared on pages 3619–3630 of the April 11, 2018 issue. A correction for this article appears on p. 4840.

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