



**Cover legend:** This image shows expression of an optimized hybrid voltage sensor (hVOS) probe in the dentate gyrus of an Ai35 hVOS::FOS mouse, viewed with 2-photon microscopy. Neurons expressing the voltage probe were activated by exposing the mouse to a novel environment. The hVOS probe enabled fluorescence imaging of voltage changes in these neurons. For more information, see the article by Bayguinov et al. (pages 9305–9319).

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##### 9116 UPF1 Governs Synaptic Plasticity through Association with a STAU2 RNA Granule

Tyson E. Graber, Erika Freemantle, Mina N. Anadolu, Sarah Hébert-Seropian, Robyn L. MacAdam, Unkyung Shin, Huy-Dung Hoang, Tommy Alain, Jean-Claude Lacaille, and Wayne S. Sossin

##### 9288 The Atypical MAP Kinase SWIP-13/ERK8 Regulates Dopamine Transporters through a Rho-Dependent Mechanism

Daniel P. Bermingham, J. Andrew Hardaway, Osama Refai, Christian R. Marks, Sam L. Snider, Sarah M. Sturgeon, William C. Spencer, Roger J. Colbran, David M. Miller III, and Randy D. Blakely

#### DEVELOPMENT/PLASTICITY/REPAIR

##### 9172 Effects of Selective Deafferentation on the Discharge Characteristics of Medial Rectus Motoneurons

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##### 9269 Systemic Neutrophil Depletion Modulates the Migration and Fate of Transplanted Human Neural Stem Cells to Rescue Functional Repair

Hal X. Nguyen, Mitra J. Hooshmand, Hirokazu Saiwai, Jake Maddox, Arjang Salehi, Anita Lakatos, Rebecca A. Nishi, Desiree Salazar, Nobuko Uchida, and Aileen J. Anderson

#### SYSTEMS/CIRCUITS

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- 9239 **Synaptic Excitation in Spinal Motoneurons Alternates with Synaptic Inhibition and Is Balanced by Outward Rectification during Rhythmic Motor Network Activity**  
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- 9320 **Location of the Mesopontine Neurons Responsible for Maintenance of Anesthetic Loss of Consciousness**  
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#### NEUROBIOLOGY OF DISEASE

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- 9207 **Conditional Deletion of *Prnp* Rescues Behavioral and Synaptic Deficits after Disease Onset in Transgenic Alzheimer's Disease**  
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- 9259 **Synaptic Adhesion Molecule Pcdh- $\gamma$ C5 Mediates Synaptic Dysfunction in Alzheimer's Disease**  
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- 9332 NF- $\kappa$ B Activation Protects Oligodendrocytes against Inflammation**  
Sarrabeth Stone, Stephanie Jamison, Yuan Yue, Wilaiwan Durose,  
Ruth Schmidt-Ullrich, and Wensheng Lin
- 9345 *Correction:*** The article, “Sox2 Sustains Recruitment of Oligodendrocyte Progenitor Cells following CNS Demyelination and Primes Them for Differentiation during Remyelination” by Chao Zhao, Dan Ma, Malgorzata Zawadzka, Stephen P. J. Fancy, Lowri Elis-Williams, Guy Bouvier, John H. Stockley, Glaucia Monteiro de Castro, Bowei Wang, Sabrina Jacobs, Patrizia Casaccia, and Robin J. M. Franklin, appeared on pages 11482–11499 of the August 19, 2015 issue. A correction for this article appears on p. 9345.
- 9346 *Correction:*** The article, “A Role for RhoB in Synaptic Plasticity and the Regulation of Neuronal Morphology” by Kara McNair, Rosemar Spike, Clare Guilding, George C. Prendergast, Trevor W. Stone, Stuart R. Cobb, and Brian J. Morris, appeared on pages 3508–3517 of the March 3, 2010 issue. A correction for this article appears on p. 9346.
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