



Cover legend: This composite image shows active presynaptic boutons (green) on cultured hippocampal neurons. These boutons belong to a neuron that was transfected with GCaMP6f conjugated to synaptophysin. Its soma is situated far from the imaged area. The active boutons are visualized by subtracting pictures taken before and during stimulation with action potentials. For more information, see the article by Brockhaus, Schreitmüller et al. (pages 8277–8294).

i This Week in The Journal

Journal Club

- 8107 **The Widespread Network Effects of Focal Epilepsy**
Richard J. Burman and R. Ryley Parrish

Research Articles

CELLULAR/MOLECULAR

- 8128 **Chemogenetic Isolation Reveals Synaptic Contribution of δ GABA_A Receptors in Mouse Dentate Granule Neurons**
Min-Yu Sun, Hong-Jin Shu, Ann Benz, John Bracamontes, Gustav Akk, Charles F. Zorumski, Joe Henry Steinbach, and Steven J. Mennerick
- 8160 **Sphingosine Kinase Regulates Neuropeptide Secretion During the Oxidative Stress-Response Through Intertissue Signaling**
Sungjin Kim and Derek Sieburth
- 8187 **Neurotransmitter- and Release-Mode-Specific Modulation of Inhibitory Transmission by Group I Metabotropic Glutamate Receptors in Central Auditory Neurons of the Mouse**
Rebecca J. Curry, Kang Peng, and Yong Lu
- 8200 **A Novel Alternative Splicing Mechanism That Enhances Human 5-HT1A Receptor RNA Stability Is Altered in Major Depression**
Brice Le François, Lei Zhang, Gouri J. Mahajan, Craig A. Stockmeier, Eitan Friedman, and Paul R. Albert
- 8233 **AKAP1 Protects from Cerebral Ischemic Stroke by Inhibiting Drp1-Dependent Mitochondrial Fission**
Kyle H. Flippo, Aswini Gnanasekaran, Guy A. Perkins, Ahmad Ajmal, Ronald A. Merrill, Audrey S. Dickey, Susan S. Taylor, G. Stanley McKnight, Anil K. Chauhan, Yuriy M. Usachev, and Stefan Strack
- 8277 **α -Neurexins Together with $\alpha 2\delta$ -1 Auxiliary Subunits Regulate Ca²⁺ Influx through Ca_v2.1 Channels**
Johannes Brockhaus, Miriam Schreitmüller, Daniele Repetto, Oliver Klatt, Carsten Reissner, Keith Elmslie, Martin Heine, and Markus Missler
- 8295 **Morphological and Biophysical Determinants of the Intracellular and Extracellular Waveforms in Nigral Dopaminergic Neurons: A Computational Study**
Luciana López-Jury, Rodrigo C. Meza, Matthew T.C. Brown, Pablo Henny, and Carmen C. Canavier

SYSTEMS/CIRCUITS

- 8110 Intrinsic Mechanisms of Frequency Selectivity in the Proximal Dendrites of CA1 Pyramidal Neurons**
Crescent L. Combe, Carmen C. Canavier, and Sonia Gasparini
- 8177 Dissociation of LFP Power and Tuning in the Frontal Cortex during Memory**
Charles D. Holmes, Charalampos Papadimitriou, and Lawrence H. Snyder

BEHAVIORAL/COGNITIVE

- 8146 Differentiable Processing of Objects, Associations, and Scenes within the Hippocampus**
Marshall A. Dalton, Peter Zeidman, Cornelia McCormick, and Eleanor A. Maguire
- 8243 Motion Extrapolation for Eye Movements Predicts Perceived Motion-Induced Position Shifts**
Elle van Heusden, Martin Rolfs, Patrick Cavanagh, and Hinze Hogendoorn
- 8251 Impaired Recent, but Preserved Remote, Autobiographical Memory in Pediatric Brain Tumor Patients**
Melanie J. Sekeres, Lily Riggs, Alexandra Decker, Cynthia B. de Medeiros, Agnes Bacopulos, Jovanka Skocic, Kamila Szulc-Lerch, Eric Bouffet, Brian Levine, Cheryl L. Grady, Donald J. Mabbott, Sheena A. Josselyn, and Paul W. Frankland
- 8262 Ultrafast Cortical Gain Adaptation in the Human Brain by Trial-To-Trial Changes of Associative Strength in Fear Learning**
Melissa Yuan, Tamara Giménez-Fernández, Constantino Méndez-Bértolo, and Stephan Moratti

NEUROBIOLOGY OF DISEASE

- 8211 14-3-3 Proteins Reduce Cell-to-Cell Transfer and Propagation of Pathogenic α -Synuclein**
Bing Wang, Rachel Underwood, Anjali Kamath, Colleen Britain, Michael B. McFerrin, Pamela J. McLean, Laura A. Volpicelli-Daley, Robert H. Whitaker, William J. Placzek, Katelyn Becker, Jiyani Ma, and Talene A. Yacoubian
- 8311 *Correction:*** The article “Neural Representations of Sensorimotor Memory- and Digit Position-Based Load Force Adjustments Before the Onset of Dexterous Manipulation” by Michelle Marneweck, Deborah Barany, Marco Santello, and Scott Grafton, appeared on pages 4724 – 4737 of the May 16, 2018 issue. A correction for this article appears on p. 8311.

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department, Society for Neuroscience, 1121 14th St., NW, Suite 1010, Washington, DC 20005, phone 202-962-4000.

Instructions for Authors are available at <http://www.jneurosci.org/content/information-authors>. Authors should refer to these Instructions online for recent changes that are made periodically.

Submissions should be submitted online using the following url: <http://jneurosci.msubmit.net>. Please contact the Central Office, via phone, fax, or e-mail with any questions. Our contact information is as follows: phone, 202-962-4000; e-mail, jn@sfn.org.