

i This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

9840 **Biphasic Modulation of NMDA Receptor Function by Metabotropic Glutamate Receptors**

Nathanael O'Neill, Catherine McLaughlin, Noboru Komiyama, and Sergiy Sylantsev

9870 **A Pool of Postnatally Generated Interneurons Persists in an Immature Stage in the Olfactory Bulb**

Nuria Benito, Elodie Gaborieau, Alvaro Sanz Diez, Seher Kosar, Louis Foucault, Olivier Raineteau, and Didier De Saint Jan

10002 **Inhibitory Signaling to Ion Channels in Hippocampal Neurons Is Differentially Regulated by Alternative Macromolecular Complexes of RGS7**

Olga I. Ostrovskaya, Cesare Orlandi, Ana Fajardo-Serrano, Samuel M. Young, Jr., Rafael Lujan, and Kirill A. Martemyanov

DEVELOPMENT/PLASTICITY/REPAIR

9829 **Interactive Repression of MYRF Self-Cleavage and Activity in Oligodendrocyte Differentiation by TMEM98 Protein**

Hao Huang, Peng Teng, Junqing Du, Jun Meng, Xuemei Hu, Tao Tang, Zunyi Zhang, Yingchuan B. Qi, and Mengsheng Qiu

9977 **Ipsilesional Motor Cortex Plasticity Participates in Spontaneous Hindlimb Recovery after Lateral Hemisection of the Thoracic Spinal Cord in the Rat**

Andrew R. Brown and Marina Martinez

SYSTEMS/CIRCUITS

9803 **Differential Representation of Articulatory Gestures and Phonemes in Precentral and Inferior Frontal Gyri**

Emily M. Mugler, Matthew C. Tate, Karen Livescu, Jessica W. Templer, Matthew A. Goldrick, and Marc W. Slutzky

9814 **Opposite Roles in Short-Term Plasticity for N-Type and P/Q-Type Voltage-Dependent Calcium Channels in GABAergic Neuronal Connections in the Rat Cerebral Cortex**

Kiyofumi Yamamoto and Masayuki Kobayashi

9900 **Neural Classifiers with Limited Connectivity and Recurrent Readouts**

Lyudmila Kushnir and Stefano Fusi

9989 **Theta Bursts Precede, and Spindles Follow, Cortical and Thalamic Downstates in Human NREM Sleep**

Christopher E. Gonzalez, Rachel A. Mak-McCully, Burke Q. Rosen, Sydney S. Cash, Patrick Y. Chauvel, Hélène Bastuji, Marc Rey, and Eric Halgren

Cover legend: This confocal image shows a coronal slice of the entire olfactory bulb from a mouse in which EGFP (green) was expressed in calretinin-expressing (CR+) periglomerular (PG) cells, the most abundant interneurons in the glomerular layer, and a tdTomato-expressing plasmid (red) had been electroporated into the dorsal subventricular zone at birth to label newborn neurons. Blue DAPI labeling shows nuclei. New work suggests that postnatally generated CR+ PG cells continuously supply the olfactory bulb with a large pool of neurons that have unconventional properties. For more information, see the article by Benito et al. (Pages 9870–9882).

BEHAVIORAL/COGNITIVE

- 9856 Dynamics and Functional Role of Dopaminergic Neurons in the Ventral Tegmental Area during Itch Processing**
Lei Yuan, Tong-Yu Liang, Juan Deng, and Yan-Gang Sun
- 9883 MBD1 Contributes to the Genesis of Acute Pain and Neuropathic Pain by Epigenetic Silencing of *Oprm1* and *Kcna2* Genes in Primary Sensory Neurons**
Kai Mo, Shaogen Wu, Xiyao Gu, Ming Xiong, Weihua Cai, Fidelis E. Atianjoh, Emily E. Jobe, Xinyu Zhao, Wei-Feng Tu, and Yuan-Xiang Tao
- 9925 Nucleus Reuniens Is Required for Encoding and Retrieving Precise, Hippocampal-Dependent Contextual Fear Memories in Rats**
Karthik R. Ramanathan, Reed L. Ressler, Jingji Jin, and Stephen Maren
- 9955 Implicit Memory for Complex Sounds in Higher Auditory Cortex of the Ferret**
Kai Lu, Wanyi Liu, Peng Zan, Stephen V. David, Jonathan B. Fritz, and Shihab A. Shamma
- 9967 Opposite Dynamics of GABA and Glutamate Levels in the Occipital Cortex during Visual Processing**
Katarzyna Kurcyus, Efsun Annac, Nina M. Hanning, Ashley D. Harris, Georg Oeltzschner, Richard Edden, and Valentin Riedl

NEUROBIOLOGY OF DISEASE

- 9934 A Dual Noradrenergic Mechanism for the Relief of Neuropathic Allodynia by the Antidepressant Drugs Duloxetine and Amitriptyline**
Mélanie Kremer, Ipek Yalcin, Yannick Goumon, Xavier Wurtz, Laurent Nexon, Dorothée Daniel, Salim Megat, Rhian A. Ceredig, Carl Ernst, Gustavo Turecki, Virginie Chavant, Jean-François Thérout, Adrien Lacaud, Lauriane-Elisabeth Joganah, Vincent Lelievre, Dominique Massotte, Pierre-Eric Lutz, Ralf Gilsbach, Eric Salvat, and Michel Barrot
- 10016 *Correction:*** The article “Quaking Regulates Neurofascin 155 Expression for Myelin and Axoglial Junction Maintenance” by Lama Darbelli, Gillian Vogel, Guillermina Almazan, and Stéphane Richard, appeared on pages 4106–4120 of the April 6, 2016 issue. A correction for this article appears on p. 10016.
- 10017 *Retraction:*** The article “LINGO-1 Regulates Oligodendrocyte Differentiation through the Cytoplasmic Gelsolin Signaling Pathway” by Zhaohui Shao, Xinhua Lee, Guanrong Huang, Guoqing Sheng, Christopher E. Henderson, Daniel Louvard, Jiho Sohn, Blake Pepinsky, and Sha Mi, appeared on pages 3127–3137 of the March 22, 2017 issue. A retraction for this article appears on p. 10017.

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