



Cover legend: RNAscope image showing the low-level expression of *Grm2* mRNA (magenta) in doublecortin-positive newborn neurons (green) in the dentate gyrus granule cell layer (DAPI is shown in gray). For more information, see the article by Ma, Hu et al. (pages 2822–2836). Cover image: Jiao Ma and Zhechun Hu.

2818 This Week in The Journal

Journal Club

- 2819 **The ALS-Related SynGAP1 Pathogenic Variant Causes Dendritic Spine Loss: Potential Mechanisms of Early-Stage ALS Progression**
Zhanxu Li

Research Articles

CELLULAR/MOLECULAR

- 2822 **GRM2 Regulates Functional Integration of Adult-Born DGCs by Paradoxically Modulating MEK/ERK1/2 Pathway**
Jiao Ma, Zhechun Hu, Huimin Yue, Yujian Luo, Chao Wang, Xuan Wu, Yan Gu, and Lang Wang
- 2837 **Alternative Splicing of the Flip/Flop Cassette and TARP Auxiliary Subunits Engage in a Privileged Relationship That Fine-Tunes AMPA Receptor Gating**
Amanda M. Perozzo, Patricia M.G.E. Brown, and Derek Bowie

DEVELOPMENT/PLASTICITY/REPAIR

- 2850 **Pairing with Enriched Sound Exposure Restores Auditory Processing Degraded by an Antidepressant**
Yuan Cheng, Ruru Chen, Bowen Su, Guimin Zhang, Yutian Sun, Pengying An, Yue Fang, Yifan Zhang, Ye Shan, Étienne de Villers-Sidani, Yunfeng Wang, and Xiaoming Zhou

SYSTEMS/CIRCUITS

- 2860 **The Forces Generated by Agonist Muscles during Isometric Contractions Arise from Motor Unit Synergies**
Alessandro Del Vecchio, Carina Marconi Germer, Thomas M. Kinfe, Stefano Nuccio, François Hug, Bjoern Eskofier, Dario Farina, and Roger M. Enoka
- 2874 **Differential Laminar Activation Dissociates Encoding and Retrieval in the Human Medial and Lateral Entorhinal Cortex**
Kaihua Zhang, Liuyi Chen, Yinghao Li, Adrian G. Paez, Xinyuan Miao, Di Cao, Chunming Gu, James J. Pekar, Peter C.M. van Zijl, Jun Hua, and Arnold Bakker
- 2885 **Sound Improves Neuronal Encoding of Visual Stimuli in Mouse Primary Visual Cortex**
Aaron M. Williams, Christopher F. Angeloni, and Maria N. Geffen

BEHAVIORAL/COGNITIVE

- 2907 Facilitation of Behavioral and Cortical Emergence from Isoflurane Anesthesia by GABAergic Neurons in Basal Forebrain**
Ping Cai, Wei-Kun Su, Jin-Sheng Zhang, Pei-Chang Liu, Feng Liu, Ren-Fu Liu, Zhang-Shu Li, Zhong-Hua Zhu, Wen-Hao Xiao, Yong-Huai Hu, Hong-Da Cai, Xiao-Dan Wu, Liang-Cheng Zhang, Changxi Yu, and Li Chen
- 2921 Inhibition of Nonsense-Mediated Decay Induces Nociceptive Sensitization through Activation of the Integrated Stress Response**
June Bryan de la Peña, Rebecca Chase, Nikesh Kunder, Patrick R. Smith, Tzu-Fang Lou, Alexander Stanowick, Prarthana Suresh, Tarjani Shukla, Samuel E. Butcher, Theodore J. Price, and Zachary T. Campbell
- 2934 Danger Changes the Way the Brain Consolidates Neutral Information; and Does So by Interacting with Processes Involved in the Encoding of That Information**
Omar A. Qureshi, Jessica Leake, Andrew J. Delaney, Simon Killcross, R. Frederick Westbrook, and Nathan M. Holmes
- 2950 Nonsymbolic Numerosity Maps at the Occipitotemporal Cortex Respond to Symbolic Numbers**
Yuxuan Cai, Shir Hofstetter, and Serge O. Dumoulin
- 2960 Category Trumps Shape as an Organizational Principle of Object Space in the Human Occipitotemporal Cortex**
Elahé Yargholi and Hans Op de Beeck
- 2973 Threat and Reward Imminence Processing in the Human Brain**
Dinavahi V.P.S. Murty, Songtao Song, Srinivas Govinda Surampudi, and Luiz Pessoa

NEUROBIOLOGY OF DISEASE

- 2988 Human Tau Aggregates Are Permissive to Protein Synthesis-Dependent Memory in *Drosophila* Tauopathy Models**
Ergina Vourkou, Eva D. Rouiz Ortega, Sumeet Mahajan, Amrit Mudher, and Efthimios M.C. Skoulakis
- 3007 *Erratum:*** The article "Adverse Effects of Aromatase Inhibition on the Brain and Behavior in a Nonhuman Primate" by Nicole J. Gervais, Luke Remage-Healey, Joseph R. Starrett, Daniel J. Pollak, Jessica A. Mong, and Agnès Lacreuse, appeared on pages 918-928 of the January 30, 2019, issue. An erratum for this article appears on page 3007.

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