



Cover legend: This photomicrograph reflects the experimental power of CRISPR/Cas9 genome editing. Tbx21-Cre mice were bred to a Cas9 line with a GFP reporter and then gRNA targeting the voltage-dependent potassium channel, Kv1.3, was retro-orbitally delivered. The CRISPR-associated Cas9 protein is restricted to the mitral and tufted output neurons of the olfactory bulb (green) allowing the CRISPR guide RNA (red) to edit the channel from the genome in the target neurons (yellow). This confers the mouse with enhanced olfaction and resistance to diet-induced obesity. For more information, see the article by Kolling et al. (pages 5966–5990).
Cover image: Louis Kolling.

5815 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

- 5816 Polybasic Patches in Both C2 Domains of Synaptotagmin-1 Are Required for Evoked Neurotransmitter Release**
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- 5830 Integrins Bidirectionally Regulate the Efficacy of Inhibitory Synaptic Transmission and Control GABAergic Plasticity**
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- 5843 Corticotropin Releasing Factor Mediates $K_{Ca}3.1$ Inhibition, Hyperexcitability, and Seizures in Acquired Epilepsy**
Manindra Nath Tiwari, Sandesh Mohan, Yoav Biala, Oded Shor, Felix Benninger, and Yoel Yaari

DEVELOPMENT/PLASTICITY/REPAIR

- 5860 SECISBP2L-Mediated Selenoprotein Synthesis Is Essential for Autonomous Regulation of Oligodendrocyte Differentiation**
Zhong-Min Dai, Wei Guo, Dan Yu, Xiao-Jing Zhu, Shuhui Sun, Hao Huang, Min Jiang, Binghua Xie, Zunyi Zhang, and Mengsheng Qiu

SYSTEMS/CIRCUITS

- 5870 Postsurgical Latent Pain Sensitization Is Driven by Descending Serotonergic Facilitation and Masked by μ -Opioid Receptor Constitutive Activity in the Rostral Ventromedial Medulla**
Andrew H. Cooper, Naomi S. Hedden, Pranav Prasoon, Yanmei Qi, and Bradley K. Taylor
- 5882 Cortical Motion Perception Emerges from Dimensionality Reduction with Evolved Spike-Timing-Dependent Plasticity Rules**
Kexin Chen, Michael Beyeler, and Jeffrey L. Krichmar

BEHAVIORAL/COGNITIVE

- 5899 Caution Influences Avoidance and Approach Behaviors Differently**
Ji Zhou, Sebastian Hormigo, Muhammad S. Sajid, and Manuel A. Castro-Alamancos
- 5916 The Assimilation of Novel Information into Schemata and Its Efficient Consolidation**
Tobias Sommer, Nora Hennies, Penelope A. Lewis, and Arjen Alink

5930 **Oxytocin and the Punitive Hub—Dynamic Spread of Cooperation in Human Social Networks**

Shiyi Li, Shuangmei Ma, Danyang Wang, Hejing Zhang, Yunzhu Li, Jiaxin Wang, Jingyi Li, Boyu Zhang, Jörg Gross, Carsten K. W. De Dreu, Wen-Xu Wang, and Yina Ma

5944 **Exploring Information Flow from Posteromedial Cortex during Visuospatial Working Memory: A Magnetoencephalography Study**

Erin Goddard, Erika W. Contini, and Muireann Irish

5956 **Contextual Expectations Shape Cortical Reinstatement of Sensory Representations**

Alex Clarke, Jordan Crivelli-Decker, and Charan Ranganath

NEUROBIOLOGY OF DISEASE

5966 **Modulating the Excitability of Olfactory Output Neurons Affects Whole-Body Metabolism**

Louis John Kolling, Roberta Tatti, Troy Lowry, Ashley M. Loeven, James M. Fadool, and Debra Ann Fadool

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