



Cover legend: This image shows a slice of mouse hippocampus with a focus on the dentate gyrus. Blue (DAPI) identifies cell nuclei, and red staining (NeuN) identifies neurons. Changes in the activity of dentate granule cells that occur in a mouse model of temporal lobe epilepsy impair pattern separation at the neural level, which may explain memory deficits in these mice and in humans with this disorder. For more information see the article by Madar et al. (pages 9669–9686).

Cover image: Jesse Pfammatter.

9482 This Week in The Journal

Review

- 9483 **From Progenitors to Progeny: Shaping Striatal Circuit Development and Function**
Rhys Knowles, Nathalie Dehorter, and Tommas Ellender

Research Articles

CELLULAR/MOLECULAR

- 9503 **Glycine Release Is Potentiated by cAMP via EPAC2 and Ca²⁺ Stores in a Retinal Interneuron**
Marc A. Meadows, Veeramuthu Balakrishnan, Xiaohan Wang, and Henrique von Gersdorff

DEVELOPMENT/PLASTICITY/REPAIR

- 9521 **Endocannabinoids Tune Intrinsic Excitability in O-LM Interneurons by Direct Modulation of Postsynaptic Kv7 Channels**
Salvatore Incontro, Malika Sammari, Fodil Azzaz, Yanis Inglebert, Norbert Ankri, Michael Russier, Jacques Fantini, and Dominique Debanne

SYSTEMS/CIRCUITS

- 9539 **Neurokinin B-Expressing Neurons of the Central Extended Amygdala Mediate Inhibitory Synaptic Input onto Melanin-Concentrating Hormone Neuron Subpopulations**
Akie Fujita, Lily Zhong, Monica S. Antony, Elizabeth Chamiec-Case, Laura E. Mickelsen, Scott E. Kanoski, William F. Flynn, and Alexander C. Jackson
- 9561 **Dissociated Role of Thalamic and Cortical Input to the Lateral Amygdala for Consolidation of Long-Term Fear Memory**
Yeji Lee, Jung-Pyo Oh, and Jin-Hee Han

BEHAVIORAL/COGNITIVE

- 9571 **Constructing Others' Beliefs from One's Own Using Medial Frontal Cortex**
Nils Kolling, Marius Braunsdorf, Suhas Vijayakumar, Harold Bekkering, Ivan Toni, and Rogier B. Mars
- 9581 **Alpha Oscillations Shape Sensory Representation and Perceptual Sensitivity**
Ying Joey Zhou, Luca Iemi, Jan-Mathijs Schoffelen, Floris P. de Lange, and Saskia Haegens
- 9593 **Awareness-Dependent Normalization Framework of Visual Bottom-up Attention**
Shiyu Wang, Ling Huang, Qinglin Chen, Jingyi Wang, Siting Xu, and Xilin Zhang

9608 Memory Reactivation during Sleep Improves Execution of a Challenging Motor Skill
Larry Y. Cheng, Tiffanie Che, Goran Tomic, Marc W. Slutzky, and Ken A. Paller

9617 Hippocampus–Prefrontal Coupling Regulates Recognition Memory for Novelty Discrimination

Cong Wang, Teri M. Furlong, Peter G. Stratton, Conrad C. Y. Lee, Li Xu, Sam Merlin, Chris Nolan, Ehsan Arabzadeh, Roger Marek, and Pankaj Sah

NEUROBIOLOGY OF DISEASE

9633 Cnksr2 Loss in Mice Leads to Increased Neural Activity and Behavioral Phenotypes of Epilepsy-Aphasia Syndrome

Eda Erata, Yudong Gao, Alicia M. Purkey, Erik J. Soderblom, James O. McNamara, and Scott H. Soderling

9650 Altered Response Dynamics and Increased Population Correlation to Tonal Stimuli Embedded in Noise in Aging Auditory Cortex

Kelson Shilling-Scrive, Jonah Mittelstadt, and Patrick O. Kanold

9669 Deficits in Behavioral and Neuronal Pattern Separation in Temporal Lobe Epilepsy

Antoine D. Madar, Jesse A. Pfammatter, Jessica Bordenave, Erin I. Plumley, Swetha Ravi, Michael Cowie, Eli P. Wallace, Bruce P. Hermann, Rama K. Maganti, and Mathew V. Jones

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department at membership@sfn.org or 202-962-4911.

For current submission policies and manuscript preparation guidelines, authors should refer to our Information for Authors at <https://www.jneurosci.org/content/information-authors>.

Manuscripts should be submitted online at <https://jneurosci.msubmit.net>. Please contact the Central Office with any questions at jn@sfn.org or 202-962-4000.