



**Cover legend:** This confocal image shows the innervation of dopaminergic neurons in the caudal linear raphe nucleus by the bed nucleus of the stria terminalis (BNST) and the activation pattern of these neurons during fear memory consolidation. Dopaminergic neurons were co-immunostained with c-Fos (yellow) and tyrosine hydroxylase (cyan), while hM3Dq-expressing BNST axons were visualized by anti-RPF immunostaining (red). Activation of GABAergic neurons of BNST during fear conditioning or memory consolidation resulted in an enhanced cue-related fear recall. For more information, see the article by Bruzsik et al. (pages 1982–1995). Cover image: Biborka Bruzsik and Laszlo Biro.

## 1846 This Week in The Journal

### Journal Club

- 1847 **When to Stop Eating: An Auxiliary Brake on Food Consumption from the Nucleus Accumbens**  
Ben Yang

### Research Articles

#### CELLULAR/MOLECULAR

- 1850 **The Cellular Electrophysiological Properties Underlying Multiplexed Coding in Purkinje Cells**  
Yunliang Zang and Erik De Schutter

#### DEVELOPMENT/PLASTICITY/REPAIR

- 1864 **PAK1 Positively Regulates Oligodendrocyte Morphology and Myelination**  
Tanya L. Brown, Hirokazu Hashimoto, Lisbet T. Finseth, Teresa L. Wood, and Wendy B. Macklin

#### SYSTEMS/CIRCUITS

- 1878 **Premotor Ramping of Thalamic Neuronal Activity Is Modulated by Nigral Inputs and Contributes to Control the Timing of Action Release**  
Julien Catanese and Dieter Jaeger
- 1892 **Sleep Analysis in Adult *C. elegans* Reveals State-Dependent Alteration of Neural and Behavioral Responses**  
Daniel E. Lawler, Yee Lian Chew, Josh D. Hawk, Ahmad Aljobeh, William R. Schafer, and Dirk R. Albrecht
- 1908 **Prefrontal  $\alpha 7$ nAChR Signaling Differentially Modulates Afferent Drive and Trace Fear Conditioning Behavior in Adolescent and Adult Rats**  
Anabel M.M. Miguez Fernández, Hanna M. Molla, Daniel R. Thomases, and Kuei Y. Tseng
- 1917 **Temporal Prediction Signals for Periodic Sensory Events in the Primate Central Thalamus**  
Kei Matsuyama and Masaki Tanaka

#### BEHAVIORAL/COGNITIVE

- 1928 **Hypothalamic-Extended Amygdala Circuit Regulates Temporal Discounting**  
Haofang E. Li, Mark A. Rossi, Glenn D.R. Watson, H. Gregory Moore, Min Tong Cai, Namsu Kim, Katrina A. Vokt, Dongye Lu, Ryan A. Bartholomew, Ryan N. Hughes, and Henry H. Yin

- 1941 Orbitofrontal State Representations Are Related to Choice Adaptations and Reward Predictions**  
Thomas A. Stalnaker, Nishika Raheja, and Geoffrey Schoenbaum
- 1952 FFA and OFA Encode Distinct Types of Face Identity Information**  
Maria Tsantani, Nikolaus Kriegeskorte, Katherine Storrs, Adrian Lloyd Williams, Carolyn McGettigan, and Lúcia Garrido
- 1970 Visual Attention Modulates Glutamate-Glutamine Levels in Vestibular Cortex: Evidence from Magnetic Resonance Spectroscopy**  
Sebastian M. Frank, Lisa Forster, Maja Pawellek, Wilhelm M. Malloni, Sinyeob Ahn, Peter U. Tse, and Mark W. Greenlee
- 1982 Somatostatin Neurons of the Bed Nucleus of Stria Terminalis Enhance Associative Fear Memory Consolidation in Mice**  
Biborka Bruzsik, Laszlo Biro, Dora Zelena, Eszter Sipos, Huba Szebik, Klara Rebeka Sarosdi, Orsolya Horvath, Imre Farkas, Veronika Csillag, Cintia Klaudia Finszter, Eva Mikics, and Mate Toth
- 1996 AMPA and NMDA Receptor Trafficking at Cocaine-Generated Synapses**  
Yao Q. Wang, Yanhua H. Huang, Saju Balakrishnan, Lidong Liu, Yu Tian Wang, Eric J. Nestler, Oliver M. Schlüter, and Yan Dong
- 2012 Ventromedial Prefrontal Cortex Drives the Prioritization of Self-Associated Stimuli in Working Memory**  
Shouhang Yin, Taiyong Bi, Antao Chen, and Tobias Egner

#### NEUROBIOLOGY OF DISEASE

- 2024 Disease Modeling with Human Neurons Reveals LMNB1 Dysregulation Underlying DYT1 Dystonia**  
Baojin Ding, Yu Tang, Shuaipeng Ma, Masuma Akter, Meng-Lu Liu, Tong Zang, and Chun-Li Zhang
- 2039 Striatal Afferent BDNF is Disrupted by Synucleinopathy and Partially Restored by STN DBS**  
Kathryn M. Miller, Joseph R. Patterson, Joseph Kochmanski, Christopher J. Kemp, Anna C. Stoll, Christopher U. Onyekpe, Allyson Cole-Strauss, Kathy Steece-Collier, Jacob W. Howe, Kelvin C. Luk, and Caryl E. Sortwell
- 2053 A New Mouse Model Related to SCA14 Carrying a Pseudosubstrate Domain Mutation in PKC $\gamma$  Shows Perturbed Purkinje Cell Maturation and Ataxic Motor Behavior**  
Etsuko Shimobayashi and Josef P. Kapfhammer

---

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department at [membership@sfn.org](mailto: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](mailto:jn@sfn.org) or 202-962-4000.