



**Cover legend:** This image shows channel rhodopsin eYFP expression in dopamine neurons of the ventral tegmental area (green) along with tyrosine hydroxylase expression (red) in neurons of the VTA and neighboring substantia nigra compacta. For more information, see the article by Melchior et al. (pages 5876–5893). Cover image: James R. Melchior and Robert T. Matthews.

## 5771 This Week in The Journal

### Celebrating 40 Years of *JNeurosci*

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- 5772 **A Search for a Cortical Map of Auditory Space**  
John C. Middlebrooks

#### Research Articles

##### CELLULAR/MOLECULAR

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- 5791 **Control of Sugar and Amino Acid Feeding via Pharyngeal Taste Neurons**  
Yu-Chieh David Chen, Vaibhav Menon, Ryan Matthew Joseph, and Anupama Arun Dahanukar
- 5809 **Bidirectional Influence of Limbic GIRK Channel Activation on Innate Avoidance Behavior**  
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- 5822 **Conserved Modules Required for *Drosophila* TRP Function *in Vivo***  
Zijing Chen, Maggie Kerwin, Orlaith Keenan, and Craig Montell

##### DEVELOPMENT/PLASTICITY/REPAIR

- 5833 **Spinal Cord Injury Alters Spinal Shox2 Interneurons by Enhancing Excitatory Synaptic Input and Serotonergic Modulation While Maintaining Intrinsic Properties in Mouse**  
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- 5849 **Transcriptional Control of Parallel-Acting Pathways That Remove Specific Presynaptic Proteins in Remodeling Neurons**  
Tyne W. Miller-Fleming, Andrea Cuentas-Condori, Laura Manning, Sierra Palumbos, Janet E. Richmond, and David M. Miller, III
- 5867 **Reading-Related Brain Changes in Audiovisual Processing: Cross-Sectional and Longitudinal MEG Evidence**  
Sandy Caffarra, Mikel Lizarazu, Nicola Molinaro, and Manuel Carreiras

## SYSTEMS/CIRCUITS

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James R. Melchior, Rafael E. Perez, Gregory J. Salimando, Joseph R. Luchsinger, Aakash Basu, and Danny G. Winder
- 5894 **Prefrontal Cortical Neurons Are Selective for Non-Local Hippocampal Representations during Replay and Behavior**  
Alice Berners-Lee, Xiaojing Wu, and David J. Foster

## BEHAVIORAL/COGNITIVE

- 5909 **Human Somatosensory Cortex Is Modulated during Motor Planning**  
Daniel J. Gale, J. Randall Flanagan, and Jason P. Gallivan
- 5923 **Cell Adhesion Factors in the Orbitofrontal Cortex Control Cue-Induced Reinstatement of Cocaine Seeking and Amygdala-Dependent Goal Seeking**  
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- 5937 **Neural Representation in mPFC Reveals Hidden Selfish Motivation in White Lies**  
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## NEUROBIOLOGY OF DISEASE

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- 5963  **$\alpha 2\delta$ -1 Upregulation in Primary Sensory Neurons Promotes NMDA Receptor-Mediated Glutamatergic Input in Resiniferatoxin-Induced Neuropathy**  
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