



Cover legend: This image shows corticofugal axons (green) projecting from layer 5 of the mouse primary visual cortex to the dorsal striatum. Layer 5 projections from primary visual, primary somatosensory, primary motor, and ventromedial orbitofrontal cortex all have terminal fields within the striatum, among other common targets. Blue is DAPI nuclear stain. For more information, see the article by Prasad et al. (pages 5785–5796).

5697 This Week in The Journal

Viewpoints

- 5698 **Motion Extrapolation in Visual Processing: Lessons from 25 Years of Flash-Lag Debate**
Hinze Hogendoorn

Journal Club

- 5706 **Complementary Brain Signals for Categorical Decisions**
Paul S. Muhle-Karbe and Timo Flesch

Research Articles

CELLULAR/MOLECULAR

- 5709 **Accumulation of Neurofascin at Nodes of Ranvier Is Regulated by a Paranodal Switch**
Yanqing Zhang, Stephanie Yuen, Elior Peles, and James L. Salzer
- 5724 **Nicotinic Receptor Subunit Distribution in Auditory Cortex: Impact of Aging on Receptor Number and Function**
Madan Ghimire, Rui Cai, Lynne Ling, Troy A. Hackett, and Donald M. Caspary

DEVELOPMENT/PLASTICITY/REPAIR

- 5740 **Adult-Born Hippocampal Neurons Undergo Extended Development and Are Morphologically Distinct from Neonatally-Born Neurons**
John Darby Cole, Delane F. Espinueva, Désirée R. Seib, Alyssa M. Ash, Matthew B. Cooke, Shaina P. Cahill, Timothy P. O’Leary, Sharon S. Kwan, and Jason S. Snyder
- 5757 **Astrocyte Signaling Gates Long-Term Depression at Corticostriatal Synapses of the Direct Pathway**
Anna Cavaccini, Caitlin Durkee, Paulo Kofuji, Raffaella Tonini, and Alfonso Araque

SYSTEMS/CIRCUITS

- 5769 **Unbalanced Inhibitory/Excitatory Responses in the Substantia Nigra Pars Reticulata Underlie Cannabinoid-Related Slowness of Movements**
Ana S. Báez-Cordero, Ana K. Pimentel-Farfan, Teresa Peña-Rangel, and Pavel E. Rueda-Orozco
- 5785 **Layer 5 Corticofugal Projections from Diverse Cortical Areas: Variations on a Pattern of Thalamic and Extrathalamic Targets**
Judy A. Prasad, Briana J. Carroll, and S. Murray Sherman

- 5797 **Structural Correlates of CA2 and CA3 Pyramidal Cell Activity in Freely-Moving Mice**
Lingjun Ding, Hongbiao Chen, Maria Diamantaki, Stefano Coletta,
Patricia Preston-Ferrer, and Andrea Burgalossi
- 5807 **Global Motion Processing by Populations of Direction-Selective Retinal Ganglion Cells**
Jon Cafaro, Joel Zylberberg, and Greg D. Field
- 5820 **Cortical, Corticospinal, and Reticulospinal Contributions to Strength Training**
Isabel S. Glover and Stuart N. Baker
- 5833 **Synchrony Drives Motor Cortex Beta Bursting, Waveform Dynamics, and Phase-Amplitude Coupling in Parkinson's Disease**
Andrew B. O'Keefe, Mahsa Malekmohammadi, Hiro Sparks, and Nader Pouratian

BEHAVIORAL/COGNITIVE

- 5847 ***In Vivo* Attenuation of M-Current Suppression Impairs Consolidation of Object Recognition Memory**
Anastasia Kosenko, Shirin Moftakhar, Marcelo A. Wood, and Naoto Hoshi
- 5857 **Reinforcement Learning during Adolescence in Rats**
Neema Moin Afshar, Alex J. Keip, Jane R. Taylor, Daeyeol Lee,
and Stephanie M. Groman

NEUROBIOLOGY OF DISEASE

- 5871 **Mechanism of Manganese Dysregulation of Dopamine Neuronal Activity**
Min Lin, Luis M. Colon-Perez, Danielle O. Sambo, Douglas R. Miller,
Joseph J. Lebowitz, Felix Jimenez-Rondan, Robert J. Cousins, Nicole Horenstein,
Tolunay Beker Aydemir, Marcelo Febo, and Habibeh Khoshbouei

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.