



Cover legend: This image shows an embryonic mouse dorsal root ganglion (DRG) explant subjected to nerve growth factor (NGF) deprivation and stained with the calcium indicator Fluo-4. NGF deprivation induces a large increase of intracellular calcium in NGF-dependent DRG sensory neurons, but this is significantly reduced in neurons lacking the amyloid-precursor protein. Dark blue colors represent baseline (low) levels of calcium and warmer colors (green-yellow) indicate an increase in intracellular calcium. For more information, see the article by de León et al. (pages 6680–6691). Cover image: Andres de León.

6667 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

- 6668 Leptin Promotes Striatal Dopamine Release via Cholinergic Interneurons and Regionally Distinct Signaling Pathways**
Maria Mancini, Jyoti C. Patel, Alison H. Affinati, Paul Witkovsky, and Margaret E. Rice
- 6680 APP Genetic Deficiency Alters Intracellular Ca²⁺ Homeostasis and Delays Axonal Degeneration in Dorsal Root Ganglion Sensory Neurons**
Andrés de León, Julien Gibon, and Philip A. Barker
- 6692 Disruption of Dopamine Receptor 1 Localization to Primary Cilia Impairs Signaling in Striatal Neurons**
Toneisha Stubbs, Andrew Koemeter-Cox, James I. Bingman, Fangli Zhao, Anuradha Kalyanasundaram, Leslie A. Rowland, Muthu Periasamy, Calvin S. Carter, Val C. Sheffield, Candice C. Askwith, and Kirk Mykytyn

DEVELOPMENT/PLASTICITY/REPAIR

- 6706 Spinal Cord Synaptic Plasticity by GlyR β Release from Receptor Fields and Syndapin I-Dependent Uptake**
Jessica Tröger, Eric Seemann, Rainer Heintzmann, Michael M. Kessels, and Britta Qualmann

SYSTEMS/CIRCUITS

- 6724 Electrophysiological Validation of Monosynaptic Connectivity between Premotor Interneurons and the aCC Motoneuron in the *Drosophila* Larval CNS**
Carlo N. G. Giachello, Iain Hunter, Tom Pettini, Bramwell Coulson, Athene Knüfer, Sebastian Cachero, Michael Winding, Aref Arzan Zarin, Hiroshi Kohsaka, Yuen Ngan Fan, Akinao Nose, Matthias Landgraf, and Richard A. Baines
- 6739 Clutter Substantially Reduces Selectivity for Peripheral Faces in the Macaque Brain**
Jessica Taubert, Susan G. Wardle, Clarissa T. Tardiff, Amanda Patterson, David Yu, and Chris I. Baker
- 6751 Timing-Dependent Potentiation and Depression of Electrical Synapses Contribute to Network Stability in the Crustacean Cardiac Ganglion**
Daniel R. Kick and David J. Schulz

BEHAVIORAL/COGNITIVE

- 6761** **Structural Covariance and Heritability of the Optic Tract and Primary Visual Cortex in Living Human Brains**
Toshikazu Miyata, Noah C. Benson, Jonathan Winawer, and Hiromasa Takemura
- 6770** **High-Definition Transcranial Stimulation over the Dorsolateral Prefrontal Cortex Alters the Sunk Cost Effect: A Mental Accounting Framework**
Jiashu Wang and Jian Li
- 6782** **Task-Dependent Warping of Semantic Representations during Search for Visual Action Categories**
Mo Shahdloo, Emin Çelik, Burcu A. Urgan, Jack L. Gallant, and Tolga Çukur
- 6800** **Decoding the Specificity of Post-Error Adjustments Using EEG-Based Multivariate Pattern Analysis**
Qing Li, Jing Wang, Zhifang Li, and Antao Chen

NEUROBIOLOGY OF DISEASE

- 6810** **An Antioxidant and Anti-ER Stress Combo Therapy Decreases Inflammation, Secondary Brain Damage and Promotes Neurological Recovery following Traumatic Brain Injury in Mice**
Charles K. Davis, Saivenkateshkomal Bathula, Martin Hsu, Kahlilia C. Morris-Blanco, Anil K. Chokkalla, Soomin Jeong, Jeongwoo Choi, Shruti Subramanian, Jin Soo Park, Zsuzsanna Fabry, and Raghu Vemuganti

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.