



Cover legend: This confocal image depicts the morphological details of cerebellar molecular layer interneurons (MLIs). Single MLIs are lighted up in orange using Cre-dependent fluorescent markers. MLI nuclei are labelled in cyan using nuclei-targeted GFP. Cerebellar Purkinje neuron somas are labelled by NeuroTrace and shown in green. For more details, see the article by Carriere et al. (pages 8652–8668).
Cover Image: Wendy Xueyi Wang.

8603 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

8604 β -Adrenergic Receptors/Epac Signaling Increases the Size of the Readily Releasable Pool of Synaptic Vesicles Required for Parallel Fiber LTP

Ricardo Martín, Nuria García-Font, Alberto Samuel Suárez-Pinilla, David Bartolomé-Martín, José Javier Ferrero, Rafael Luján, Magdalena Torres, and José Sánchez-Prieto

8618 Astrocytes Protect Human Dopaminergic Neurons from α -Synuclein Accumulation and Propagation

Taiji Tsunemi, Yuta Ishiguro, Asako Yoroisaka, Clarissa Valdez, Kengo Miyamoto, Keiichi Ishikawa, Shinji Saiki, Wado Akamatsu, Nobutaka Hattori, and Dimitri Krainc

8629 Activity Dependent Inhibition of AMPA Receptors by Zn^{2+}

Elisa Carrillo, Nidhi K. Bhatia, Askar M. Akimzhanov, and Vasanthi Jayaraman

DEVELOPMENT/PLASTICITY/REPAIR

8637 Slow Waves Promote Sleep-Dependent Plasticity and Functional Recovery after Stroke

Laura Facchin, Cornelia Schöne, Armand Mensen, Mojtaba Bandarabadi, Federica Pilotto, Smita Saxena, Paul Antoine Libourel, Claudio L.A. Bassetti, and Antoine R. Adamantidis

8652 The γ -Protocadherins Regulate the Survival of GABAergic Interneurons during Developmental Cell Death

Candace H. Carriere, Wendy Xueyi Wang, Anson D. Sing, Adam Fekete, Brian E. Jones, Yohan Yee, Jacob Ellegood, Harinad Maganti, Lola Awofala, Julie Marocha, Amar Aziz, Lu-Yang Wang, Jason P. Lerch, and Julie L. Lefebvre

SYSTEMS/CIRCUITS

8669 Inactivation of the GATA Cofactor ZFPM1 Results in Abnormal Development of Dorsal Raphe Serotonergic Neuron Subtypes and Increased Anxiety-Like Behavior

Laura Tikker, Plinio Casarotto, Parul Singh, Caroline Biojone, T. Petteri Piepponen, Nuri Estartús, Anna Seelbach, Ravindran Sridharan, Liina Laukkanen, Eero Castrén, and Juha Partanen

8683 Differential Contribution of the Retrotrapezoid Nucleus and C1 Neurons to Active Expiration and Arousal in Rats

George M.P.R. Souza, Ruth L. Stornetta, Daniel S. Stornetta, Stephen B.G. Abbott, and Patrice G. Guyenet

BEHAVIORAL/COGNITIVE

- 8698 Dopamine-Dependent QR2 Pathway Activation in CA1 Interneurons Enhances Novel Memory Formation**
Nathaniel L. Gould, Vijendra Sharma, Mohammad Hleihil, Sailendrakumar Kolatt Chandran, Orit David, Efrat Edry, and Kobi Rosenblum
- 8715 Shared Neural Representations of Cognitive Conflict and Negative Affect in the Medial Frontal Cortex**
Luc Vermeulen, David Wisniewski, Carlos González-García, Vincent Hoofs, Wim Notebaert, and Senne Braem
- 8726 Targeted Stimulation of an Orbitofrontal Network Disrupts Decisions Based on Inferred, Not Experienced Outcomes**
Fang Wang, James D. Howard, Joel L. Voss, Geoffrey Schoenbaum, and Thorsten Kahnt

NEUROBIOLOGY OF DISEASE

- 8734 4E-BP1 Protects Neurons from Misfolded Protein Stress and Parkinson's Disease Toxicity by Inducing the Mitochondrial Unfolded Protein Response**
Somasish Ghosh Dastidar, Michael T. Pham, Matthew B. Mitchell, Steven G. Yeom, Sarah Jordan, Angela Chang, Bryce L. Sopher, and Albert R. La Spada
- 8746 MeCP2 Levels Regulate the 3D Structure of Heterochromatic Foci in Mouse Neurons**
Aya Ito-Ishida, Steven A. Baker, Roy V. Sillitoe, Yaling Sun, Jian Zhou, Yukiteru Ono, Junichi Iwakiri, Michisuke Yuzaki, and Huda Y. Zoghbi
- 8767 Chemogenetic Manipulation of Dopamine Neurons Dictates Cocaine Potency at Distal Dopamine Transporters**
Zachary D. Brodник, Wei Xu, Aashita Batra, Stacia I. Lewandowski, Christina M. Ruiz, Ole V. Mortensen, Sandhya Kortagere, Stephen V. Mahler, and Rodrigo A. España

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.