



Cover legend: Microglia (magenta) accumulate around alpha-synuclein pathology (yellow) in the striatum in a mouse model of multiple system atrophy. For more information, see the article by Battis et al. (pages 7673–7688). Cover image: Gianni Schneider.

7512 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

- 7513 **HCN2 Ion Channels Drive Pain in Rodent Models of Migraine**
Christoforos Tsantoulas, Aidan Ng, Larissa Pinto, Anna P. Andreou, and Peter A. McNaughton
- 7530 **Morphological Determinants of Cell-to-Cell Variations in Action Potential Dynamics in Substantia Nigra Dopaminergic Neurons**
Estelle Moubarak, Yanis Inglebert, Fabien Tell, and Jean-Marc Goillard

DEVELOPMENT/PLASTICITY/REPAIR

- 7547 **A Nedd4 E3 Ubiquitin Ligase Pathway Inhibits Robo1 Repulsion and Promotes Commissural Axon Guidance across the Midline**
Madhavi Gorla, Karina Chaudhari, Maya Hale, Chloe Potter, and Greg J. Bashaw

SYSTEMS/CIRCUITS

- 7562 **Temporal Dynamics of Neural Responses in Human Visual Cortex**
Iris I. A. Groen, Giovanni Piantoni, Stephanie Montenegro, Adeen Flinker, Sasha Devore, Orrin Devinsky, Werner Doyle, Patricia Dugan, Daniel Friedman, Nick F. Ramsey, Natalia Petridou, and Jonathan Winawer
- 7581 **Unusually Slow Spike Frequency Adaptation in Deep Cerebellar Nuclei Neurons Preserves Linear Transformations on the Subsecond Timescale**
Mehak M. Khan, Shuting Wu, Christopher H. Chen, and Wade G. Regehr
- 7594 **Attractor-like Dynamics in the Subicular Complex**
Apoorv Sharma, Indrajith R. Nair, and Doreswamy Yoganarasimha
- 7615 **Neuronal Encoding of Emotional Valence and Intensity in the Monkey Amygdala**
Haruhiko Iwaoki and Katsuki Nakamura

BEHAVIORAL/COGNITIVE

- 7624 **Neural Support for Contributions of Utility and Narrative Processing of Evidence in Juror Decision Making**
Jaime J. Castellon, Shabnam Hakimi, Jacob M. Parelman, Lun Yin, Jonathan R. Law, Jesse A. G. Skene, David A. Ball, Artemis Malekpour, Donald H. Beskind, Neil Vidmar, John M. Pearson, R. McKell Carter, and J. H. Pate Skene

7634 The Existence of the StartReact Effect Implies Reticulospinal, Not Corticospinal, Inputs Dominate Drive to Motoneurons during Voluntary Movement

Jesus A. Tapia, Takamichi Tohyama, Annie Poll, and Stuart N. Baker

7648 Effort Reinforces Learning

Huw Jarvis, Isabelle Stevenson, Amy Q. Huynh, Emily Babbage, James Coxon, and Trevor T.-J. Chong

NEUROBIOLOGY OF DISEASE

7659 Uncoupling Protein-1 Modulates Anxiety-Like Behavior in a Temperature-Dependent Manner

Spyridon Sideromenos, Anna Gundacker, Maria Nikou, Raimund Oberle, Orsolya Horvath, Peter Stoehrman, Timo Partonen, and Daniela D. Pollak

7673 CSF1R-Mediated Myeloid Cell Depletion Prolongs Lifespan But Aggravates Distinct Motor Symptoms in a Model of Multiple System Atrophy

Kristina Battis, Jazmin B. Florio, Michael Mante, Addison Lana, Isabel Naumann, Carina Gauer, Vera Lambrecht, Simon Julian Müller, Isidoro Cobo, Bethany Fixsen, Ha Yeon Kim, Eliezer Masliah, Christopher K. Glass, Johannes C. M. Schlachetzki, Robert A. Rissman, Jürgen Winkler, and Alana Hoffmann

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