



Cover legend: This photomicrograph shows the hippocampus and cortex of a 12-month-old transgenic mouse expressing human tau. The section is immunostained with a marker of pathological tau phosphorylation (red), NeuN (green), and DAPI (blue). For more information, see the article by Steuer, Kemper et al. (pages 4737–4754). Cover image: Elizabeth Steuer and the University Imaging Centers at the University of Minnesota.

4606 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

- 4607 Ubiquitin-Specific Protease 2 in the Ventromedial Hypothalamus Modifies Blood Glucose Levels by Controlling Sympathetic Nervous Activation**
Mayuko Hashimoto, Masaki Fujimoto, Kohtarou Konno, Ming-Liang Lee, Yui Yamada, Koya Yamashita, Chitoku Toda, Michio Tomura, Masahiko Watanabe, Osamu Inanami, and Hiroshi Kitamura

SYSTEMS/CIRCUITS

- 4619 Parametric Cognitive Load Reveals Hidden Costs in the Neural Processing of Perfectly Intelligible Degraded Speech**
Harrison Ritz, Conor J. Wild, and Ingrid S. Johnsrude
- 4629 Context-Dependent Inhibitory Control of Stimulus-Specific Adaptation**
Tohar S. Yarden, Adi Mizrahi, and Israel Nelken
- 4652 Structural and Functional Network-Level Reorganization in the Coding of Auditory Motion Directions and Sound Source Locations in the Absence of Vision**
Ceren Battal, Ane Gurtubay-Antolin, Mohamed Rezk, Stefania Mattioni, Giorgia Bertonati, Valeria Occelli, Roberto Bottini, Stefano Targher, Chiara Maffei, Jorge Jovicich, and Olivier Collignon
- 4669 Two Types of Auditory Spatial Receptive Fields in Different Parts of the Chicken's Midbrain**
Gianmarco Maldarelli, Uwe Firzlaff, Lutz Kettler, Janie M. Ondracek, and Harald Luksch

BEHAVIORAL/COGNITIVE

- 4681 Conflict Detection in a Sequential Decision Task Is Associated with Increased Cortico-Subthalamic Coherence and Prolonged Subthalamic Oscillatory Response in the β Band**
E. Zita Patai, Thomas Foltynie, Patricia Limousin, Harith Akram, Ludvic Zrinzo, Rafal Bogacz, and Vladimir Litvak
- 4693 The Dorsal Visual Pathway Represents Object-Centered Spatial Relations for Object Recognition**
Vladislav Ayzenberg and Marlene Behrmann
- 4711 Sleep-Specific Processing of Auditory Stimuli Is Reflected by Alpha and Sigma Oscillations**
Malgorzata Wislowska, Wolfgang Klimesch, Ole Jensen, Christine Blume, and Manuel Schabus

NEUROBIOLOGY OF DISEASE

- 4725 **Voluntary Exercise Boosts Striatal Dopamine Release: Evidence for the Necessary and Sufficient Role of BDNF**
Guendalina Bastioli, Jennifer C. Arnold, Maria Mancini, Adam C. Mar, Begoña Gamallo-Lana, Khalil Saadipour, Moses V. Chao, and Margaret E. Rice
- 4737 **Blocking Site-Specific Cleavage of Human Tau Delays Progression of Disease-Related Phenotypes in Genetically Matched Tau-Transgenic Mice Modeling Frontotemporal Dementia**
Elizabeth L. Steuer, Lisa J. Kemper, Chris J.W. Hlynialuk, Kailee Leinonen-Wright, Michelle L. Montonye, Ian P. Lapcinski, Colleen L. Forster, Karen H. Ashe, and Peng Liu
- 4755 **Motor Impairments and Dopaminergic Defects Caused by Loss of Leucine-Rich Repeat Kinase Function in Mice**
Guodong Huang, Daniel W. Bloodgood, Jongkyun Kang, Anu Shahapal, Phoenix Chen, Konstantin Kaganovsky, Jae-Ick Kim, Jun B. Ding, and Jie Shen
- 4766 **Erratum:** The article “Site of Action of Brain Neurosteroid Pregnenolone Sulfate at the N-Methyl-D-Aspartate Receptor” by Barbora Hrcka Krausova, Bohdan Kysilov, Jiri Cerny, Vojtech Vyklicky, Tereza Smejkalova, Marek Ladislav, Ales Balik, Miloslav Korinek, Hana Chodounska, Eva Kudova, and Ladislav Vyklick appeared on pages 5922–5936 of the July 29, 2020 issue. An erratum for this article appears on page 4766.
- 4767 **Erratum:** The article “Prior Expectations in Visual Speed Perception Predict Encoding Characteristics of Neurons in Area MT” by Ling-Qi Zhang and Alan A. Stocker appeared on pages 2951–2962 of the April 26, 2022 issue. An erratum for this article appears on page 4767.

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