



Cover legend: Newly formed myelin (red), pre-existing myelin (green), and oligodendrocyte precursor cells (magenta) in adult mouse optic nerve counterstained with DAPI (blue). For more information, see the article by Zhi et al. (pages 1859–1870). Cover image: Feng Mei and Shuang-Ling Wu.

1858 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

1859 Insufficient Oligodendrocyte Turnover in Optic Nerve Contributes to Age-Related Axon Loss and Visual Deficits

Jun-Jie Zhi, Shuang-Ling Wu, Hao-Qian Wu, Qi Ran, Xing Gao, Jing-Fei Chen, Xing-Mei Gu, Tao Li, Fei Wang, Lan Xiao, Jian Ye, and Feng Mei

DEVELOPMENT/PLASTICITY/REPAIR

1871 Cbln1 Directs Axon Targeting by Corticospinal Neurons Specifically toward Thoraco-Lumbar Spinal Cord

Janet H.T. Song, Carolin Ruven, Payal Patel, Frances Ding, Jeffrey D. Macklis, and Vibhu Sahni

SYSTEMS/CIRCUITS

1888 Neurons in Primate Area MSTd Signal Eye Movement Direction Inferred from Dynamic Perspective Cues in Optic Flow

Grace F. DiRisio, Yongsoo Ra, Yinghui Qiu, Akiyuki Anzai, and Gregory C. DeAngelis

1905 The Neural Basis for Biased Behavioral Responses Evoked by Galvanic Vestibular Stimulation in Primates

Patrick A. Forbes, Annie Kwan, Diana E. Mitchell, Jean-Sébastien Blouin, and Kathleen E. Cullen

1920 Model-Based Approach Shows ON Pathway Afferents Elicit a Transient Decrease of V1 Responses

David St-Amand and Curtis L. Baker Jr

BEHAVIORAL/COGNITIVE

1933 Decoding Trans-Saccadic Prediction Error

Louise Catheryne Barne, Jonathan Giordano, Thérèse Collins, and Andrea Desantis

1940 Individual Variability in Performance Reflects Selectivity of the Multiple Demand Network among Children and Adults

Elana Schettini, Kelly J. Hiersche, and Zeynep M. Saygin

1952 Diminished Repetition Suppression Reveals Selective and Systems-Level Face Processing Differences in ASD

Anila M. D'Mello, Isabelle R. Frosch, Steven L. Meisler, Hannah Grotzinger, Tyler K. Perrachione, and John D.E. Gabrieli

1963 Differential Recruitment of Inhibitory Control Processes by Directed Forgetting and Thought Substitution
Ryan J. Hubbard and Lili Sahakyan

1976 Spontaneous Activity Patterns in Human Attention Networks Code for Hand Movements
Lu Zhang, Lorenzo Pini, DoHyun Kim, Gordon L. Shulman, and
Maurizio Corbetta

NEUROBIOLOGY OF DISEASE

1987 Involvement of GABAergic Interneuron Subtypes in 4-Aminopyridine-Induced Seizure-Like Events in Mouse Entorhinal Cortex *in Vitro*
Paolo Scalmani, Rosina Paterra, Massimo Mantegazza, Massimo Avoli, and
Marco de Curtis

2002 Epilepsy-Related CDKL5 Deficiency Slows Synaptic Vesicle Endocytosis in Central Nerve Terminals
Christiana Kontaxi, Daniela Ivanova, Elizabeth C. Davenport, Peter C. Kind, and
Michael A. Cousin

2021 Spared Premotor Areas Undergo Rapid Nonlinear Changes in Functional Organization Following a Focal Ischemic Infarct in Primary Motor Cortex of Squirrel Monkeys
Erik J. Plautz, Scott Barbay, Shawn B. Frost, Ann M. Stowe, Numa Dancause,
Elena V. Zoubina, Ines Eisner-Janowicz, David J. Guggenmos, and
Randolph J. Nudo

2033 *Erratum:* The article “Preferential Modulatory Action of 5-HT_{2A} Receptors on the Dynamic Regulation of Basal Ganglia Circuits,” by Lise Guilhemsang, Amaia Gutierrez-Ceballos, Mario Antonazzo, Nicolas P. Mallet, Luisa Ugedo, and Teresa Morera-Herreras, appeared on pages 56–67 of the January 4, 2023 issue. An erratum for this article appears on page 2033.

2035 *Erratum:* The article “A Common Neural Account for Social and Nonsocial Decisions,” by Desislava H. Arabadzhiyska, Oliver G.B. Garrod, Elsa Fouragnan, Emanuele De Luca, Philippe G. Schyns, and Marios G. Philiastides, appeared on pages 9030–9044 of the November 30, 2022 issue. An erratum for this article appears on page 2035.

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