



**Cover legend:** This image shows neuromuscular junctions in tibialis anterior (TA) muscle of a 60 day old C57/BL6 mouse. The nerve terminal was stained with neurofilament and synapsin antibodies (green), and acetylcholine receptor clusters were visualized with CF568  $\alpha$ -bungarotoxin (red). Acetylcholine receptor clusters went through fragmentation and denervation during aging. New work investigated the molecular mechanisms underlying this decline. For more information, see the article by Gao, Zhao et al. (pages 7203–7215). Cover Image: Mei Lab.

## 7189 This Week in The Journal

### Viewpoints

- 7190 The Neural Bases of Tinnitus: Lessons from Deafness and Cochlear Implants**  
Marlies Knipper, Pim van Dijk, Holger Schulze, Birgit Mazurek, Patrick Krauss, Verena Scheper, Athanasia Warnecke, Winfried Schlee, Kerstin Schwabe, Wibke Singer, Christoph Braun, Paul H. Delano, Andreas J. Fallgatter, Ann-Christine Ehlis, Grant D. Searchfield, Matthias H.J. Munk, David M. Baguley, and Lukas Rüttiger

### Research Articles

#### CELLULAR/MOLECULAR

- 7203 A Role of Lamin A/C in Preventing Neuromuscular Junction Decline in Mice**  
Nannan Gao, Kai Zhao, Yu Cao, Xiao Ren, Hongyang Jing, Guanglin Xing, Wen-Cheng Xiong, and Lin Mei
- 7216 Unique Molecular Characteristics of Visceral Afferents Arising from Different Levels of the Neuraxis: Location of Afferent Somata Predicts Function and Stimulus Detection Modalities**  
Kimberly A. Meerschaert, Peter C. Adelman, Robert L. Friedman, Kathryn M. Albers, H. Richard Koerber, and Brian M. Davis
- 7229 Contribution of T-Type Calcium Channels to Spinal Cord Injury-Induced Hyperexcitability of Nociceptors**  
Justas Lauzadis, Huilin Liu, Lu Yong, Mario J. Rebecchi, Martin Kaczocha, and Michelino Puopolo
- 7241 Dopaminergic Signaling in the Nucleus Accumbens Modulates Stress-Coping Strategies during Inescapable Stress**  
Wanpeng Cui, Tomomi Aida, Hikaru Ito, Kenta Kobayashi, Yusaku Wada, Shigeki Kato, Takashi Nakano, Meina Zhu, Kaoru Isa, Kazuto Kobayashi, Tadashi Isa, Kohichi Tanaka, and Hidenori Aizawa

#### SYSTEMS/CIRCUITS

- 7255 *Chrna5* is Essential for a Rapid and Protected Response to Optogenetic Release of Endogenous Acetylcholine in Prefrontal Cortex**  
Sridevi Venkatesan and Evelyn K. Lambe
- 7269 Dynamic Impairment of Olfactory Behavior and Signaling Mediated by an Olfactory Corticofugal System**  
Renata Medinaceli Quintela, Jennifer Bauer, Lutz Wallhorn, Kim Le, Daniela Brunert, and Markus Rothermel

## BEHAVIORAL/COGNITIVE

- 7286 **When Implicit Prosociality Trumps Selfishness: The Neural Valuation System Underpins More Optimal Choices When Learning to Avoid Harm to Others Than to Oneself**  
Lukas L. Lengensdorff, Isabella C. Wagner, Patricia L. Lockwood, and Claus Lamm
- 7300 **Cerebellar Theta and Beta Noninvasive Stimulation Rhythms Differentially Influence Episodic Memory versus Semantic Prediction**  
Shruti Dave, Stephen VanHaerents, and Joel L. Voss
- 7311 **Memory Alone Does Not Account for the Way Rats Learn a Simple Spatial Alternation Task**  
David B. Kastner, Anna K. Gillespie, Peter Dayan, and Loren M. Frank
- 7318 **The Hippocampus Maps Concept Space, Not Feature Space**  
Stephanie Theves, Guillén Fernández, and Christian F. Doeller
- 7326 **Confluence of Timing and Reward Biases in Perceptual Decision-Making Dynamics**  
Maxwell Shinn, Daniel B. Ehrlich, Daeyeol Lee, John D. Murray, and Hyojung Seo
- 7343 **Thalamic Stimulation Improves Postictal Cortical Arousal and Behavior**  
Jingwen Xu, Maria Milagros Galarzi, Brian Pok, Kishan K. Patel, Charlie W. Zhao, John P. Andrews, Shobhit Singla, Cian P. McCafferty, Li Feng, Eric T. Musonza, Adam J. Kundishora, Abhijeet Gummadavelli, Jason L. Gerrard, Mark Laubach, Nicholas D. Schiff, and Hal Blumenfeld

## NEUROBIOLOGY OF DISEASE

- 7355 **Neuron-Derived Estrogen Is Critical for Astrocyte Activation and Neuroprotection of the Ischemic Brain**  
Yujiao Lu, Gangadhara R. Sareddy, Jing Wang, Quanguang Zhang, Fu-Lei Tang, Uday P. Pratap, Rajeshwar R. Tekmal, Ratna K. Vadlamudi, and Darrell W. Brann
- 7375 **Erratum:** The article “Mice with Combined Gene Knock-Outs Reveal Essential and Partially Redundant Functions of Amyloid Precursor Protein Family Members,” by Sabine Heber, Jochen Herms, Vladan Gajic, Johannes Hainfellner, Adriano Aguzzi, Thomas Rülcke, Hans Kretschmar, Cornelia von Koch, Sangram Sisodia, Phillippe Tremml, Hans-Peter Lipp, David P. Wolfer, and Ulrike Müller appeared on pages 7951–7963 of the November 1, 2000 issue. An erratum for this article appears on page 7375.
- Erratum:** The article “Dysfunction of the Cholesterol Biosynthetic Pathway in Huntington’s Disease,” by Marta Valenza, Dorotea Rigamonti, Donato Goffredo, Chiara Zuccato, Simone Fenu, Laure Jamot, Andrew Strand, Alessia Tarditi, Ben Woodman, Marco Racchi, Caterina Mariotti, Stefano Di Donato, Alberto Corsini, Gillian Bates, Rebecca Pruss, James M. Olson, Simonetta Sipione, Marzia Tartari, and Elena Cattaneo appeared on pages 9932–9939 of the October 26, 2005 issue. An erratum for this article appears on page 7375.

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