



Cover legend: This image shows a section from a mouse dorsal root ganglion stained for Interferon Alpha and Beta Receptor Subunit 1 (mRNA; red) along with the sensory neuron markers calcitonin gene-related peptide (mRNA; green), purinergic receptor P2X3 (mRNA; blue) and Neurofilament-200 (protein; cyan). Interferon receptors were robustly expressed in sensory neurons in the dorsal root ganglion and their activation produces pain via an eIF4E-dependent translation mechanism. For more information, see the article Barragán-Iglesias, et al. 2020. (pages 3517–3532).

3503 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

- 3504 The Frog Motor Nerve Terminal Has Very Brief Action Potentials and Three Electrical Regions Predicted to Differentially Control Transmitter Release**
Scott P. Ginebaugh, Eric D. Cyphers, Viswanath Lanka, Gloria Ortiz, Evan W. Miller, Rozita Laghaei, and Stephen D. Meriney
- 3517 Type I Interferons Act Directly on Nociceptors to Produce Pain Sensitization: Implications for Viral Infection-Induced Pain**
Paulino Barragán-Iglesias, Úrzula Franco-Enzástiga, Vivekanand Jeevakumar, Stephanie Shiers, Andi Wangzhou, Vinicio Granados-Soto, Zachary T. Campbell, Gregory Dussor, and Theodore J. Price
- 3533 Carbon Monoxide, a Retrograde Messenger Generated in Postsynaptic Mushroom Body Neurons, Evokes Noncanonical Dopamine Release**
Kohei Ueno, Johannes Morstein, Kyoko Ofusa, Shintaro Naganos, Ema Suzuki-Sawano, Saika Minegishi, Samir P. Rezgui, Hiroaki Kitagishi, Brian W. Michel, Christopher J. Chang, Junjiro Horiuchi, and Minoru Saitoe

DEVELOPMENT/PLASTICITY/REPAIR

- 3549 *Neurog2* Acts as a Classical Proneural Gene in the Ventromedial Hypothalamus and Is Required for the Early Phase of Neurogenesis**
Shaghayegh Aslanpour, Sisu Han, Carol Schuurmans, and Deborah M. Kurrasch

SYSTEMS/CIRCUITS

- 3564 Somatostatin-Expressing Interneurons in the Auditory Cortex Mediate Sustained Suppression by Spectral Surround**
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- 3576 Impairment of Pattern Separation of Ambiguous Scenes by Single Units in the CA3 in the Absence of the Dentate Gyrus**
Choong-Hee Lee and Inah Lee
- 3591 The Firing of Theta State-Related Septal Cholinergic Neurons Disrupt Hippocampal Ripple Oscillations via Muscarinic Receptors**
Xiaoyu Ma, Yiyao Zhang, Lina Wang, Na Li, Edi Barkai, Xiaohui Zhang, Longnian Lin, and Jiamin Xu

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- 3604 Reward-Based Improvements in Motor Control Are Driven by Multiple Error-Reducing Mechanisms**
Olivier Codol, Peter J. Holland, Sanjay G. Manohar, and Joseph M. Galea
- 3621 Coding of Navigational Distance and Functional Constraint of Boundaries in the Human Scene-Selective Cortex**
Jeongho Park and Soojin Park
- 3631 A Model to Study NMDA Receptors in Early Nervous System Development**
Josiah D. Zoodsma, Kelvin Chan, Ashwin A. Bhandiwad, David R. Golann, Guangmei Liu, Shoaib A. Syed, Amalia J. Napoli, Harold A. Burgess, Howard I. Sirotkin, and Lonnie P. Wollmuth
- 3646 The Neural Mechanism of the Social Framing Effect: Evidence from fMRI and tDCS Studies**
Jie Liu, Ruolei Gu, Chong Liao, Juanzhi Lu, Yuxing Fang, Pengfei Xu, Yue-jia Luo, and Fang Cui
- 3657 Sustained Visual Priming Effects Can Emerge from Attentional Oscillation and Temporal Expectation**
Muzhi Wang, Yan Huang, Huan Luo, and Hang Zhang

NEUROBIOLOGY OF DISEASE

- 3675 Striatal Nurr1 Facilitates the Dyskinetic State and Exacerbates Levodopa-Induced Dyskinesia in a Rat Model of Parkinson's Disease**
Rhyomi C. Sellnow, Kathy Steece-Collier, Feras Altwal, Ivette M. Sandoval, Jeffrey H. Kordower, Timothy J. Collier, Caryl E. Sortwell, Anthony R. West, and Fredric P. Manfredsson

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