



Cover legend: In this confocal image, the projection neurons from the entorhinal cortex are labeled with an antibody against mCherry (cyan). The neurons were targeted using neonatal injection of an adeno-associated virus expressing chemogenetic hM4D(Gi) receptors. This technique allows the chronic silencing of the main excitatory inputs in the hippocampus during postnatal development. For more information, see the article by Feng et al. (pages 4607–4619).

Cover image: Simon Pieraut.

4549 This Week in The Journal

Celebrating 40 Years of *JNeurosci*

PROGRESSIONS

- 4550 **Presynaptic Inhibitory Effects of Acetylcholine in the Hippocampus: A 40-Year Evolution of a Serendipitous Finding**
Rita J. Valentino and Raymond J. Dingledine

Research Articles

CELLULAR/MOLECULAR

- 4556 **Local and CNS-Wide Astrocyte Intracellular Calcium Signaling Attenuation *In Vivo* with CalEx^{flox} Mice**
Xinzhu Yu, Stefanie L. Moye, and Baljit S. Khakh
- 4575 **Total Number and Ratio of GABAergic Neuron Types in the Mouse Lateral and Basal Amygdala**
Viktória K. Vereczki, Kinga Müller, Éva Krizsán, Zoltán Máté, Zsuzsanna Fekete, Laura Rovira-Esteban, Judit M. Veres, Ferenc Erdélyi, and Norbert Hájos
- 4596 **Citric Acid in Drug Formulations Causes Pain by Potentiating Acid-Sensing Ion Channel 1**
Ya Lan Yang and Ted Weita Lai

DEVELOPMENT/PLASTICITY/REPAIR

- 4607 **Experience-Dependent Inhibitory Plasticity Is Mediated by CCK+ Basket Cells in the Developing Dentate Gyrus**
Ting Feng, Christian Alicea, Vincent Pham, Amanda Kirk, and Simon Pieraut

SYSTEMS/CIRCUITS

- 4620 **Synaptic Adaptations at the Rostromedial Tegmental Nucleus Underlie Individual Differences in Cocaine Avoidance Behavior**
Jeffrey Parrilla-Carrero, Maya Eid, Hao Li, Ying S. Chao, and Thomas C. Jhou
- 4631 **Altered Heterosynaptic Plasticity Impairs Visual Discrimination Learning in Adenosine A1 Receptor Knock-Out Mice**
Renee Chasse, Alexey Malyshev, Roslyn Holly Fitch, and Maxim Volgushev
- 4641 **Identification of Novel Cross-Talk between the Neuroendocrine and Autonomic Stress Axes Controlling Blood Pressure**
Khalid Elsaafien, Matthew K. Kirchner, Mazher Mohammed, Sophia A. Eikenberry, Chloe West, Karen A. Scott, Annette D. de Kloet, Javier E. Stern, and Eric G. Krause

BEHAVIORAL/COGNITIVE

- 4658 **Decoding Concurrent Representations of Pitch and Location in Auditory Working Memory**
Stefan Czoschke, Cora Fischer, Tara Bahador, Christoph Bledowski, and Jochen Kaiser
- 4667 **Prior Cocaine Exposure Increases Firing to Immediate Reward While Attenuating Cue and Context Signals Related to Reward Value in the Insula**
Heather J. Pribut, Daniela Vázquez, Adam T. Brockett, Alice D. Wei, Stephen S. Tennyson, and Matthew R. Roesch
- 4678 **High-Level Representations in Human Occipito-Temporal Cortex Are Indexed by Distal Connectivity**
Jon Walbrin and Jorge Almeida
- 4686 **Dissociating Perceptual Awareness and Postperceptual Processing: The P300 Is Not a Reliable Marker of Somatosensory Target Detection**
Pia Schröder, Till Nierhaus, and Felix Blankenburg

NEUROBIOLOGY OF DISEASE

- 4697 **PACAP Induces Light Aversion in Mice by an Inheritable Mechanism Independent of CGRP**
Adisa Kuburas, Bianca N. Mason, Benjamin Hing, Anne-Sophie Wattiez, Alyssa S. Reis, Levi P. Sowers, Cristina Moldovan Loomis, Leon F. Garcia-Martinez, and Andrew F. Russo
- 4716 **Nox3-Derived Superoxide in Cochleae Induces Sensorineural Hearing Loss**
Hiroaki Mohri, Yuzuru Ninoyu, Hirofumi Sakaguchi, Shigeru Hirano, Naoaki Saito, and Takehiko Ueyama
- 4732 **Unraveling the Mechanisms Underlying Irregularities in Inspiratory Rhythm Generation in a Mouse Model of Parkinson's Disease**
Luiz M. Oliveira, Nathan A. Baertsch, Thiago S. Moreira, Jan-Marino Ramirez, and Ana C. Takakura
- 4748 **Erratum:** The article, "Cross Recruitment of Domain-Selective Cortical Representations Enables Flexible Semantic Knowledge," by Scott L. Fairhall, appeared on pages 3096–3103 of the April 8, 2020 issue. An erratum for this article appears on page 4748.

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