

i This Week in The Journal

Commentary

- 10583 Neuroethics for the National Institutes of Health BRAIN Initiative**  
Diana W. Bianchi, Judith A. Cooper, Joshua A. Gordon, Jill Heemskerk, Richard Hodes, George F. Koob, Walter J. Koroshetz, David Shurtleff, Paul A. Sieving, Nora D. Volkow, James D. Churchill, and Khara M. Ramos
- 10586 Neuroethics Guiding Principles for the NIH BRAIN Initiative**  
Henry T. Greely, Christine Grady, Khara M. Ramos, Winston Chiong, James Eberwine, Nita A. Farahany, L. Syd M Johnson, Bradley T. Hyman, Steven E. Hyman, Karen S. Rommelfanger, and Elba E. Serrano

Journal Club

- 10589 Characterizing the Impact of Distracting Input on Visual Working Memory Representations**  
Doris Pischcedda
- 10592 Expectation Suppression Dampens Sensory Representations of Predicted Stimuli**  
Kevin S. Walsh and David P. McGovern

Research Articles

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- 10631 CK1 $\alpha$  Collaborates with DOUBLETIME to Regulate PERIOD Function in the *Drosophila* Circadian Clock**  
Vu H. Lam, Ying H. Li, Xianhui Liu, Katherine A. Murphy, Jonathan S. Diehl, Rosanna S. Kwok, and Joanna C. Chiu

DEVELOPMENT/PLASTICITY/REPAIR

- 10644 Asymmetric and Distant Effects of a Unilateral Lesion of the Primary Motor Cortex on the Bilateral Supplementary Motor Areas in Adult Macaque Monkeys**  
A. Contestabile, R. Colangiulo, M. Lucchini, A.-D. Gindrat, A. Hamadjida, M. Kaeser, J. Savidan, A.F. Wyss, E.M. Rouiller, and E. Schmidlin

SYSTEMS/CIRCUITS

- 10692 Membrane Potential Correlates of Network Decorrelation and Improved SNR by Cholinergic Activation in the Somatosensory Cortex**  
Inbal Meir, Yonatan Katz, and Ilan Lampl
- 10709 Detailed Visual Cortical Responses Generated by Retinal Sheet Transplants in Rats with Severe Retinal Degeneration**  
Andrzej T. Foik, Georgina A. Lean, Leo R. Scholl, Bryce T. McLelland, Anuradha Mathur, Robert B. Aramant, Magdalene J. Seiler, and David C. Lyon

**Cover legend:** This image shows a mouse hippocampus 7 days after stereotactic injection of the bacterial lipopeptide Pam3CSK4 (PAM, red) into CA1. In this brain-infection model, the density of presynapses (synapsin1/2, blue) was reduced and dendrites (MAP2, green) were damaged in stratum radiatum whereas the density of presynapses was increased and the dendrites were unaffected in stratum oriens. For more information, see the article by Kim et al. (pages 10672–10691).

- 10725 **Integration of Small- and Wide-Field Visual Features in Target-Selective Descending Neurons of both Predatory and Nonpredatory Dipterans**  
Sarah Nicholas, Jack Supple, Richard Leibbrandt, Paloma T. Gonzalez-Bellido, and Karin Nordström

BEHAVIORAL/COGNITIVE

- 10619 **Functional MRI in Macaque Monkeys during Task Switching**  
Elsie Premereur, Peter Janssen, and Wim Vanduffel

NEUROBIOLOGY OF DISEASE

- 10595 **Cellular Prion Protein Mediates the Disruption of Hippocampal Synaptic Plasticity by Soluble Tau *In Vivo***  
Tomas Ondrejcek, Igor Klyubin, Grant T. Corbett, Graham Fraser, Wei Hong, Alexandra J. Mably, Matthew Gardener, Jayne Hammersley, Michael S. Perkinson, Andrew Billinton, Dominic M. Walsh, and Michael J. Rowan

- 10607 **Convergent Inputs from the Hippocampus and Thalamus to the Nucleus Accumbens Regulate Dopamine Neuron Activity**  
Stephanie M. Perez and Daniel J. Lodge

- 10657 **Enhanced CRFR1-Dependent Regulation of a Ventral Tegmental Area to Prelimbic Cortex Projection Establishes Susceptibility to Stress-Induced Cocaine Seeking**  
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- 10672 **Characterization of Brain Dysfunction Induced by Bacterial Lipopeptides That Alter Neuronal Activity and Network in Rodent Brains**  
Kwang-Min Kim, Alsu I. Zamaleeva, Youn Woo Lee, M. Rafiuddin Ahmed, Eunkyung Kim, Hye-Ryeon Lee, Venkata Raveendra Pothineni, Juan Tao, Siyeon Rhee, Mithya Jayakumar, Mohammed Inayathullah, Senthilkumar Sivanesan, Kristy Red-Horse, Theo D. Palmer, Jon Park, Daniel V. Madison, Ho-Young Lee, and Jayakumar Rajadas

- 10734 **Long-Lasting Electrophysiological After-Effects of High-Frequency Stimulation in the Globus Pallidus: Human and Rodent Slice Studies**  
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Outstanding Reviewers (Online Only)

Collaborating Reviewers (Online Only)

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