



Cover legend: This image shows ventral striatal neurons from a rodent brain. The cell bodies are stained in blue using a fluorescent NISSL stain (NeuroTrace). A light sensitive virus for optogenetics was transduced into neurons shown in yellow. Neurons in this area are involved in scaling fear to the degree of threat and in rapid discrimination of uncertain threat and safety. For more information see the article by Ray et al. (pages 4750–4760).

4621 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

4622 Similar Microglial Cell Densities across Brain Structures and Mammalian Species: Implications for Brain Tissue Function

Sandra E. Dos Santos, Marcelle Medeiros, Jairo Porfirio, William Tavares, Leila Pessoa, Lea Grinberg, Renata E.P. Leite, Renata E.L. Ferretti-Rebustini, Claudia K. Suemoto, Wilson Jacob Filho, Stephen C. Noctor, Chet C. Sherwood, Jon H. Kaas, Paul R. Manger, and Suzana Herculano-Houzel

4644 Experience Recruits MSK1 to Expand the Dynamic Range of Synapses and Enhance Cognition

Lucia Privitera, Lorenzo Morè, Daniel D. Cooper, Philippa Richardson, Marianthi Tsogka, Daniel Hebenstreit, J. Simon C. Arthur, and Bruno G. Frenguelli

DEVELOPMENT/PLASTICITY/REPAIR

4661 Neuronal Glutamatergic Network Electrically Wired with Silent But Activatable Gap Junctions

Diana J. Ixmatlahua, Bianca Vizcarra, Gisela Gómez-Lira, Isabel Romero-Maldonado, Franco Ortiz, Gerardo Rojas-Piloni, and Rafael Gutiérrez

SYSTEMS/CIRCUITS

4673 The Degree of Nesting between Spindles and Slow Oscillations Modulates Neural Synchrony

Daniel B. Silversmith, Stefan M. Lemke, Daniel Egert, Joshua D. Berke, and Karunesh Ganguly

4685 Neuropeptide Y Expression Defines a Novel Class of GABAergic Projection Neuron in the Inferior Colliculus

Marina A. Silveira, Justin D. Anair, Nichole L. Beebe, Pooyan Mirjalili, Brett R. Schofield, and Michael T. Roberts

4700 Phase Locking of Auditory Nerve Fibers: The Role of Lowpass Filtering by Hair Cells

Adam J. Peterson and Peter Heil

4715 Neural Signals in Red Nucleus during Reactive and Proactive Adjustments in Behavior

Adam T. Brockett, Nicholas W. Hricz, Stephen S. Tennyson, Daniel W. Bryden, and Matthew R. Roesch

4727 **Medial Nucleus Accumbens Projections to the Ventral Tegmental Area Control Food Consumption**

Colin W. Bond, Richard Trinko, Ethan Foscue, Kara Furman, Stephanie M. Groman, Jane R. Taylor, and Ralph J. DiLeone

BEHAVIORAL/COGNITIVE

4739 **Trait Anxiety Mediated by Amygdala Serotonin Transporter in the Common Marmoset**

S.K.L. Quah, L. McIver, A.C. Roberts, and A.M. Santangelo

4750 **The Nucleus Accumbens Core is Necessary to Scale Fear to Degree of Threat**

Madelyn H. Ray, Alyssa N. Russ, Rachel A. Walker, and Michael A. McDannald

4761 **Value-Related Neuronal Responses in the Human Amygdala during Observational Learning**

Tomas G. Aquino, Juri Minxha, Simon Dunne, Ian B. Ross, Adam N. Mamelak, Ueli Rutishauser, and John P. O'Doherty

4773 **Prelimbic and Infralimbic Prefrontal Regulation of Active and Inhibitory Avoidance and Reward-Seeking**

Giulia Capuzzo and Stan B. Floresco

NEUROBIOLOGY OF DISEASE

4788 **Enhancing Gamma Oscillations Restores Primary Motor Cortex Plasticity in Parkinson's Disease**

Andrea Guerra, Francesco Ascì, Valentina D'Onofrio, Valerio Sveva, Matteo Bologna, Giovanni Fabbrini, Alfredo Berardelli, and Antonio Suppa

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