

Cover legend: This image shows tyrosine hydroxylase-immunoreactive neurons (green) in substantia nigra pars compacta. These neurons coexpress the dopamine transporter (red). In contrast, less than half of tyrosine-hydroxylase-expressing neurons in the hypothalamus expressed dopamine transporter, and those that don't are required for the autoregulation of growth hormone secretion. For more information, see the article by Wasinski et al. (pages 4309–4322).

4265 This Week in The Journal

Research Articles

CELLULAR/MOLECULAR

- 4266 Tonic GABA_A Conductance Favors Spike-Timing-Dependent over Theta-Burst-Induced Long-Term Potentiation in the Hippocampus**
Yulia Dembitskaya, Yu-Wei Wu, and Alexey Semyanov
- 4277 BRAG2a Mediates mGluR-Dependent AMPA Receptor Internalization at Excitatory Postsynapses through the Interaction with PSD-95 and Endophilin 3**
Masahiro Fukaya, Takeyuki Sugawara, Yoshinobu Hara, Makoto Itakura, Masahiko Watanabe, and Hiroyuki Sakagami

DEVELOPMENT/PLASTICITY/REPAIR

- 4297 Dendritic Spine Dynamics after Peripheral Nerve Injury: An Intravital Structural Study**
Curtis A. Benson, Keith K. Fenrich, Kai-Lan Olson, Siraj Patwa, Lakshmi Bangalore, Stephen G. Waxman, and Andrew M. Tan

SYSTEMS/CIRCUITS

- 4309 Tyrosine Hydroxylase Neurons Regulate Growth Hormone Secretion via Short-Loop Negative Feedback**
Frederick Wasinski, João A.B. Pedroso, Willian O. dos Santos, Isadora C. Furigo, David Garcia-Galiano, Carol F. Elias, Edward O. List, John J. Kopchick, Raphael E. Szawka, and Jose Donato Jr
- 4323 Frequency-Specific Optogenetic Deep Brain Stimulation of Subthalamic Nucleus Improves Parkinsonian Motor Behaviors**
Chunxiu Yu, Isaac R. Cassar, Jaydeep Sambangi, and Warren M. Grill
- 4335 Rapid Learning of Odor-Value Association in the Olfactory Striatum**
Daniel J. Millman and Venkatesh N. Murthy
- 4348 Principles of Intrinsic Motor Cortex Connectivity in Primates**
Nicholas S. Card and Omar A. Gharbawie
- 4363 Multiple Local Synaptic Modifications at Specific Sensorimotor Connections after Learning Are Associated with Behavioral Adaptations That Are Components of a Global Response Change**
Shlomit Tam, Itay Hurwitz, Hillel J. Chiel, and Abraham J. Susswein

BEHAVIORAL/COGNITIVE

- 4372 **Noradrenergic Responsiveness Supports Selective Attention across the Adult Lifespan**
Martin J. Dahl, Mara Mather, Myriam C. Sander, and Markus Werkle-Bergner
- 4391 **Acute Stress Enhances Associative Learning via Dopamine Signaling in the Ventral Lateral Striatum**
Claire E. Stelly, Sean C. Tritley, Yousef Rafati, and Matthew J. Wanat
- 4401 **The Rostrolateral Prefrontal Cortex Mediates a Preference for High-Agency Environments**
Kaitlyn G. Norton and Mimi Liljeholm
- 4410 **Visual Size Processing in Early Visual Cortex Follows Lateral Occipital Cortex Involvement**
Hang Zeng, Gereon R. Fink, and Ralph Weidner

NEUROBIOLOGY OF DISEASE

- 4418 **Venlafaxine Stimulates an MMP-9-Dependent Increase in Excitatory/Inhibitory Balance in a Stress Model of Depression**
Seham Alaiyed, Mondona McCann, Gouri Mahajan, Grazyna Rajkowska, Craig A. Stockmeier, Kenneth J. Kellar, Jian Young Wu, and Katherine Conant
- 4432 **Erratum:** The article “Neuropeptide S Activates Paraventricular Oxytocin Neurons to Induce Anxiolysis,” by Thomas Grund, Stephanie Goyon, Yuting Li, Marina Eliava, Haikun Liu, Alexandre Charlet, Valery Grinevich, and Inga D. Neumann, appeared on pages 12214–12225 of the December 13, 2017 issue. An erratum for this article appears on page 4432.

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