

JNeurosci

THE JOURNAL OF NEUROSCIENCE

September 25, 2019 • Volume 39 Number 39 • www.jneurosci.org



Cover legend: This is a photograph of Izzy, a Miniature Australian Shepherd owned by Erin Hecht. Brain morphology varies significantly across purebred domestic dog breeds. (Photo credit: Ryan Fleisher.) For more information, see the article by Hecht et al. (pages 7748–7758).

7641 This Week in The Journal

Journal Club

7642 **A Possible Neural Mechanism of Intentional Forgetting**
Madalina Vlasceanu and Michael J. Morais

7645 **A Multisensory Perspective on the Role of the Amygdala in Body Ownership**
Arran T. Reader and Laura Crucianelli

Research Articles

CELLULAR/MOLECULAR

7648 **Correlation Transfer by Layer 5 Cortical Neurons Under Recreated Synaptic Inputs *In Vitro***
Daniele Linaro, Gabriel K. Ocker, Brent Doiron, and Michele Giugliano

DEVELOPMENT/PLASTICITY/REPAIR

7664 **Disruption of NMDAR Function Prevents Normal Experience-Dependent Homeostatic Synaptic Plasticity in Mouse Primary Visual Cortex**
Gabriela Rodriguez, Lukas Mesik, Ming Gao, Samuel Parkins, Rinki Saha, and Hey-Kyoung Lee

SYSTEMS/CIRCUITS

7674 **Feedforward Thalamocortical Connectivity Preserves Stimulus Timing Information in Sensory Pathways**
Hsi-Ping Wang, Jonathan W. Garcia, Carl F. Sabottke, Donald Spencer, and Terrence J. Sejnowski

BEHAVIORAL/COGNITIVE

7689 **Change in Brain Plasmalogen Composition by Exposure to Prenatal Undernutrition Leads to Behavioral Impairment of Rats**
Kodai Hino, Shunya Kaneko, Toshiya Harasawa, Tomoko Kimura, Shiro Takei, Masakazu Shinohara, Fumiyoshi Yamazaki, Shin-ya Morita, Shumpei Sato, Yoshihito Kubo, Tadaaki Kono, Mitsutoshi Setou, Mina Yoshioka, Junya Fujino, Hiroyuki Sugihara, Hideto Kojima, Naoto Yamada, and Jun Udagawa

7703 **Rapid Ocular Responses Are Modulated by Bottom-up-Driven Auditory Saliency**
Sijia Zhao, Nga Wai Yum, Lucas Benjamin, Elia Benhamou, Makoto Yoneya, Shigeto Furukawa, Fred Dick, Malcolm Slaney, and Maria Chait

7715 **Distinct Roles of Dopamine and Noradrenaline in Incidental Memory**
Tobias U. Hauser, Eran Eldar, Nina Purg, Michael Moutoussis, and Raymond J. Dolan

- 7722 **The Representation of Semantic Information Across Human Cerebral Cortex During Listening Versus Reading Is Invariant to Stimulus Modality**
Fatma Deniz, Anwar O. Nunez-Elizalde, Alexander G. Huth, and Jack L. Gallant
- 7737 **Elucidating the Neural Representation and the Processing Dynamics of Face Ensembles**
Tyler Roberts, Jonathan S. Cant, and Adrian Nestor
- 7748 **Significant Neuroanatomical Variation Among Domestic Dog Breeds**
Erin E. Hecht, Jeroen B. Smaers, William D. Dunn, Marc Kent, Todd M. Preuss, and David A. Gutman

NEUROBIOLOGY OF DISEASE

- 7759 **Neuronal BC RNA Transport Impairments Caused by Systemic Lupus Erythematosus Autoantibodies**
Ilham A. Muslimov, Anna Iacoangeli, Taesun Eom, Anne Ruiz, Madisen Lee, Stacy Stephenson, Ellen M. Ginzler, and Henri Tiedge
- 7778 **Remote Posts ischemic Conditioning Promotes Stroke Recovery by Shifting Circulating Monocytes to CCR2⁺ Proinflammatory Subset**
Jiwon Yang, Mustafa Balkaya, Cesar Beltran, Ji Hoe Heo, and Sunhee Cho
- 7790 **Dynamic Gain Analysis Reveals Encoding Deficiencies in Cortical Neurons That Recover from Hypoxia-Induced Spreading Depolarizations**
Omer Revah, Ohad Stoler, Andreas Neef, Fred Wolf, Ilya A. Fleidervish, and Michael J. Gutnick
- 7801 **Reversing Cocaine-Induced Plasticity with Zeta Inhibitory Peptide**
Andre U. Deutschmann, Jeffrey D. Lenz, Anna G. McGrath, and Lisa A. Briand

Persons interested in becoming members of the Society for Neuroscience should contact the Membership Department at membership@sfn.org or 202-962-4911.

For current submission policies and manuscript preparation guidelines, authors should refer to our Information for Authors at <https://www.jneurosci.org/content/information-authors>.

Manuscripts should be submitted online at <https://jneurosci.msubmit.net>. Please contact the Central Office with any questions at jn@sfn.org or 202-962-4000.