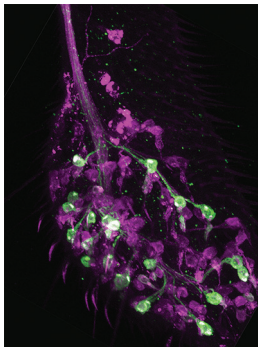


JNeurosci

THE JOURNAL OF NEUROSCIENCE

February 10, 2021 • Volume 41 Number 6 • www.jneurosci.org



Cover legend: This image shows the maxillary palp in the peripheral nervous system of *Drosophila*. All olfactory sensory neurons are labeled with RFP (magenta) and Or42a-expressing olfactory sensory neurons are labeled with GFP (green). For more information, see the article by Golovin et al. (pages 1218–1241). Cover Image: Randall Golovin.

1118 This Week in The Journal

Review

- 1119 **Establishment and Maintenance of Neural Circuit Architecture**
Emily L. Heckman and Chris Q. Doe

Viewpoints

- 1130 **How to Interpret Resting-State fMRI: Ask Your Participants**
Javier Gonzalez-Castillo, Julia W.Y. Kam, Colin W. Hoy, and Peter A. Bandettini

Journal Club

- 1142 **Inflammatory-Mediated Neuron-Glia Communication Modulates ALS Pathophysiology**
Juliani Juliani, Natasha Vassileff, and Jereme G. Spiers

Research Articles

CELLULAR/MOLECULAR

- 1145 **High Salt Intake Recruits Tonic Activation of NR2D Subunit-Containing Extrasynaptic NMDARs in Vasopressin Neurons**
Chiranjivi Neupane, Ramesh Sharma, Yoon Hyung Pai, So Yeong Lee, Byeong Hwa Jeon, Hyun-Woo Kim, Javier E. Stern, and Jin Bong Park
- 1157 **The mRNA-Binding Protein RBM3 Regulates Activity Patterns and Local Synaptic Translation in Cultured Hippocampal Neurons**
Sinem M. Sertel, Malena S. von Elling-Tammen, and Silvio O. Rizzoli
- 1174 **The BAD-BAX-Caspase-3 Cascade Modulates Synaptic Vesicle Pools via Autophagy**
Qinhua Gu, Song Jiao, Kaizheng Duan, Ya-Xian Wang, Ronald S. Petralia, and Zheng Li
- 1191 **The Rac-GEF Tiam1 Promotes Dendrite and Synapse Stabilization of Dentate Granule Cells and Restricts Hippocampal-Dependent Memory Functions**
Jinxuan Cheng, Federico Scala, Francisco A. Blanco, Sanyong Niu, Karen Firozi, Laura Keehan, Shalaka Mulherkar, Emmanouil Froudarakis, Lingyong Li, Joseph G. Duman, Xiaolong Jiang, and Kimberley F. Tolias

DEVELOPMENT/PLASTICITY/REPAIR

- 1207 **NMDA Receptor Enhances Correlation of Spontaneous Activity in Neonatal Barrel Cortex**
Hidenobu Mizuno, Madhura S. Rao, Hiromi Mizuno, Takuya Sato, Shingo Nakazawa, and Takuji Iwasato

- 1218 **Neuron-Specific FMRP Roles in Experience-Dependent Remodeling of Olfactory Brain Innervation during an Early-Life Critical Period**
Randall M. Golovin, Jacob Vest, and Kendal Broadie

SYSTEMS/CIRCUITS

- 1242 **Aberrant Maturation of the Uncinate Fasciculus Follows Exposure to Unpredictable Patterns of Maternal Signals**
Steven J. Granger, Laura M. Glynn, Curt A. Sandman, Steven L. Small, Andre Obenaus, David B. Keator, Tallie Z. Baram, Hal Stern, Michael A. Yassa, and Elysia Poggi Davis
- 1251 **Dynamics of a Mutual Inhibition circuit between Pyramidal Neurons Compared to Human Perceptual Competition**
Naoki Kogo, Felix B. Kern, Thomas Nowotny, Raymond van Ee, Richard van Wezel, and Takeshi Aihara
- 1265 **Seasonal Variation in the Brain μ -Opioid Receptor Availability**
Lihua Sun, Jing Tang, Heidi Liljenbäck, Aake Honkaniemi, Jenni Virta, Janne Isojärvi, Tomi Karjalainen, Tatu Kantonen, Pirjo Nuutila, Jarmo Hietala, Valtteri Kaasinen, Kari Kalliokoski, Jussi Hirvonen, Harry Scheinin, Semi Helin, Kim Eerola, Eriika Savontaus, Emrah Yatkin, Juha O. Rinne, Anne Roivainen, and Lauri Nummenmaa
- 1274 **Microglia Elimination Increases Neural Circuit Connectivity and Activity in Adult Mouse Cortex**
Yong-Jun Liu, Elizabeth E. Spangenberg, Bryan Tang, Todd C. Holmes, Kim N. Green, and Xiangmin Xu

BEHAVIORAL/COGNITIVE

- 1288 **Active Transition of Fear Memory Phase from Reconsolidation to Extinction through ERK-Mediated Prevention of Reconsolidation**
Hotaka Fukushima, Yue Zhang, and Satoshi Kida
- 1301 **Correlates of Auditory Decision-Making in Prefrontal, Auditory, and Basal Lateral Amygdala Cortical Areas**
Julia L. Napoli, Corrie R. Camalier, Anna-Leigh Brown, Jessica Jacobs, Mortimer M. Mishkin, and Bruno B. Averbeck
- 1317 **Social Transmission and Buffering of Hippocampal Metaplasticity after Stress in Mice**
I-Chen Lee, Ting-Hsuan Yu, Wen-Hsin Liu, and Kuei-Sen Hsu
- 1331 **The VLPFC versus the DLPFC in Downregulating Social Pain Using Reappraisal and Distraction Strategies**
Jun Zhao, Licheng Mo, Rong Bi, Zhenhong He, Yuming Chen, Feng Xu, Hui Xie, and Dandan Zhang
- 1340 **Hippocampus Guides Adaptive Learning during Dynamic Social Interactions**
Oriel FeldmanHall, David F. Montez, Elizabeth A. Phelps, Lila Davachi, and Vishnu P. Murty

NEUROBIOLOGY OF DISEASE

- 1349 **Tumor Necrosis Factor α Receptor Type 1 Activation in the Hypothalamic Paraventricular Nucleus Contributes to Glutamate Signaling and Angiotensin II-Dependent Hypertension**
Clara Woods, Jose Marques-Lopes, Natalina H. Contoreggi, Teresa A. Milner, Virginia M. Pickel, Gang Wang, and Michael J. Glass

- 1363** *Erratum:* The article, “Hippocampal Theta Oscillations Support Successful Associative Memory Formation,” by Srinivas Kota, Michael D. Rugg, and Bradley C. Lega, appeared on pages 9507–9518 of the December 2, 2020 issue. An erratum for this article appears on page 1363.
- 1364** *Erratum:* The article “The c-Abl-MST1 Signaling Pathway Mediates Oxidative Stress-Induced Neuronal Cell Death” by Lei Xiao, Dongmei Chen, Peng Hu, Junbing Wu, Weizhe Liu, Yanhong Zhao, Mou Cao, Yuan Fang, Wenzhi Bi, Zheng Zheng, Jian Ren, Guangju Ji, Yan Wang, and Zengqiang Yuan, appeared on pages 9611–9619 of the June 29, 2011 issue. An erratum for this article appears on page 1364.

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.