



**Cover legend:** This image shows the axon (yellow), soma and dendrites (white) of a somatostatin-expressing (cyan) neuron in mouse auditory cortex. A retrograde tracer (magenta) revealed that this neuron sends a long-range projection to the ipsilateral lateral amygdala. For more information, see the article by Bertero et al. (pages 8424–8438).

## 8423 This Week in The Journal

### Research Articles

#### CELLULAR/MOLECULAR

- 8424 A Non-Canonical Cortico-Amygdala Inhibitory Loop**  
Alice Bertero, Paul Luc Caroline Feyen, Hector Zurita, and Alfonso junior Apicella
- 8439 Regulation of Hippocampal Memory by mTORC1 in Somatostatin Interneurons**  
Julien Artinian, Alexander Jordan, Abdessattar Khlaifia, Eve Honoré, Alexandre La Fontaine, Anne-Sophie Racine, Isabel Laplante, and Jean-Claude Lacaille

#### DEVELOPMENT/PLASTICITY/REPAIR

- 8457 Degeneration of Injured Axons and Dendrites Requires Restraint of a Protective JNK Signaling Pathway by the Transmembrane Protein Raw**  
Yan Hao, Thomas J. Waller, Derek M. Nye, Jiaying Li, Yanxiao Zhang, Richard I. Hume, Melissa M. Rolls, and Catherine A. Collins
- 8471 Rehabilitative Training Interacts with Ischemia-Instigated Spine Dynamics to Promote a Lasting Population of New Synapses in Peri-Infarct Motor Cortex**  
Taylor A. Clark, Colin Sullender, Daron Jacob, Yi Zuo, Andrew K. Dunn, and Theresa A. Jones

#### SYSTEMS/CIRCUITS

- 8484 Premotor Cortical-Cerebellar Reorganization in a Macaque Model of Primary Motor Cortical Lesion and Recovery**  
Tatsuya Yamamoto, Takuya Hayashi, Yumi Murata, Takayuki Ose, and Noriyuki Higo
- 8497 A Target-Detecting Visual Neuron in the Dragonfly Locks on to Selectively Attended Targets**  
Benjamin H. Lancer, Bernard J.E. Evans, Joseph M. Fabian, David C. O'Carroll, and Steven D. Wiederman

#### BEHAVIORAL/COGNITIVE

- 8510 Chemogenetic Inhibition Reveals That Processing Relative But Not Absolute Threat Requires Basal Amygdala**  
Vincent D. Campese, Ian T. Kim, Mian Hou, Saurav Gupta, Cassandra Draus, Botagoz Kurpas, Kelsey Burke, and Joseph E. LeDoux

- 8517 **Disentangling Hippocampal and Amygdala Contribution to Human Anxiety-Like Behavior**  
Dominik R. Bach, Martina Hoffmann, Carsten Finke, Rene Hurlemann, and Christoph J. Ploner
- 8527 **Humans Perceive Binocular Rivalry and Fusion in a Tristable Dynamic State**  
Guillaume Riesen, Anthony M. Norcia, and Justin L. Gardner
- 8538 **Rapid Memory Reactivation at Movie Event Boundaries Promotes Episodic Encoding**  
Marta Silva, Christopher Baldassano, and Lluís Fuentemilla
- 8549 **Reward Boosts Neural Coding of Task Rules to Optimize Cognitive Flexibility**  
Sam Hall-McMaster, Paul S. Muhle-Karbe, Nicholas E. Myers, and Mark G. Stokes

#### NEUROBIOLOGY OF DISEASE

- 8562 **Acute Focal Seizures Start As Local Synchronizations of Neuronal Ensembles**  
Michael Wenzel, Jordan P. Hamm, Darcy S. Peterka, and Rafael Yuste
- 8576 **Depletion of Caveolin-1 in Type 2 Diabetes Model Induces Alzheimer's Disease Pathology Precursors**  
Jacqueline A. Bonds, Aashutosh Shetti, Abdullah Bheri, Zhenlong Chen, Ahmed Disouky, Leon Tai, Mao Mao, Brian P. Head, Marcelo G. Bonini, Jacob M. Haus, Richard D. Minshall, and Orly Lazarov
- 8584 **Risperidone Ameliorates Prefrontal Cortex Neural Atrophy and Oxidative/Nitrosative Stress in Brain and Peripheral Blood of Rats with Neonatal Ventral Hippocampus Lesion**  
Hiram Tendilla-Beltrán, Silvia Meneses-Prado, Rubén Antonio Vázquez-Roque, Miguel Tapia-Rodríguez, Andrea Judith Vázquez-Hernández, Heriberto Coatl-Cuaya, David Martín-Hernández, Karina S. MacDowell, Linda Garcés-Ramírez, Juan C. Leza, and Gonzalo Flores
- 8600 **Conformational Dynamics of Transmembrane Domain 3 of Presenilin 1 Is Associated with the Trimming Activity of  $\gamma$ -Secretase**  
Tetsuo Cai, Kanan Morishima, Shizuka Takagi-Niidome, Aya Tominaga, and Taisuke Tomita
- 8611 **Erratum:** The article “Novel Regulatory Mechanisms for the SoxC Transcriptional Network Required for Visual Pathway Development,” by Kun-Che Chang, Jonathan Hertz, Xiong Zhang, Xiao-Lu Jin, Peter Shaw, Brooke A. Derosa, Janet Y. Li, Praseeda Venugopalan, Daniel A. Valenzuela, Roshni D. Patel, Kristina R. Russano, Shomoukh A. Alshamekh, Catalina Sun, Kevin Tenerelli, Chenyi Li, Dmitri Velmeshev, Yuyan Cheng, Timothy M. Boyce, Alexandra Dreyfuss, Mohammed S. Uddin, Kenneth J. Muller, Derek M. Dykxhoorn, and Jeffrey L. Goldberg, appeared on page 4967–4981 of the May 10, 2017 issue. An erratum for this article appears on p. 8611.

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