



Cover legend: This image shows a retinal section from a mouse in which a subset of amacrine cells was labeled with an antibody against the transcription factor Meis 2 (green), which was identified in a single-cell RNA sequencing expression screen that characterized >60 amacrine cell types. The section was also stained to mark two classes of inhibitory neurons, GABAergic (magenta) and glycinergic (cyan). For more information, see the article by Yan et al. (pages 5177–5195).

5157 This Week in The Journal

Journal Club

- 5158 **Neural Mechanisms for Prediction: From Action to Higher-Order Cognition**
Anila M. D’Mello and Liron Rozenkrantz

Research Articles

CELLULAR/MOLECULAR

- 5161 **Effect of A β Oligomers on Neuronal APP Triggers a Vicious Cycle Leading to the Propagation of Synaptic Plasticity Alterations to Healthy Neurons**
Marta Rolland, Rebecca Powell, Muriel Jacquier-Sarlin, Sylvie Boisseau, Robin Reynaud-Dulaurier, Jose Martinez-Hernandez, Louise André, Eve Borel, Alain Buisson, and Fabien Lanté
- 5177 **Mouse Retinal Cell Atlas: Molecular Identification of over Sixty Amacrine Cell Types**
Wenjun Yan, Mallory A. Laboulaye, Nicholas M. Tran, Irene E. Whitney, Inbal Benhar, and Joshua R. Sanes
- 5196 **Estrogen Receptor α Regulates Ethanol Excitation of Ventral Tegmental Area Neurons and Binge Drinking in Female Mice**
Bertha J. Vandegrift, Elisa R. Hilderbrand, Rosalba Satta, Rex Tai, Donghong He, Chang You, Hu Chen, Pingwen Xu, Cassandre Coles, Mark S. Brodie, and Amy W. Lasek

DEVELOPMENT/PLASTICITY/REPAIR

- 5208 **Cholinergic Modulation of Binocular Vision**
Yasha Sheynin, Pedro Rosa-Neto, Robert F. Hess, and Elvire Vaucher
- 5214 **Activation of Somatostatin Interneurons by Nicotinic Modulator Lypd6 Enhances Plasticity and Functional Recovery in the Adult Mouse Visual Cortex**
Masato Sadahiro, Michael P. Demars, Poromendro Burman, Priscilla Yevo, Andreas Zimmer, and Hirofumi Morishita

SYSTEMS/CIRCUITS

- 5228 **Noise-Sensitive But More Precise Subcortical Representations Coexist with Robust Cortical Encoding of Natural Vocalizations**
Samira Souffi, Christian Lorenzi, Léo Varnet, Chloé Huetz, and Jean-Marc Edeline
- 5247 **Paradoxically Sparse Chemosensory Tuning in Broadly Integrating External Granule Cells in the Mouse Accessory Olfactory Bulb**
Xingjian Zhang and Julian P. Meeks

BEHAVIORAL/COGNITIVE

- 5264 **Valence Encoding Signals in the Human Amygdala and the Willingness to Eat**
Lena J. Tiedemann, Arjen Alink, Judith Beck, Christian Büchel,
and Stefanie Brassen
- 5273 **Dopamine Modulates Dynamic Decision-Making during Foraging**
Campbell Le Heron, Nils Kolling, Olivia Plant, Annika Kienast, Rebecca Janska,
Yuen-Siang Ang, Sean Fallon, Masud Husain, and Matthew A.J. Apps
- 5283 **Disentangling the Independent Contributions of Visual and Conceptual Features to
the Spatiotemporal Dynamics of Scene Categorization**
Michelle R. Greene and Bruce C. Hansen

NEUROBIOLOGY OF DISEASE

- 5300 **Genetic Architecture and Molecular Neuropathology of Human Cocaine Addiction**
Spencer B. Huggett and Michael C. Stallings
- 5314 **Activation of Peripheral and Central Trigeminovascular Neurons by Seizure:
Implications for Ictal and Postictal Headache**
Agustin Melo-Carrillo, Aaron J. Schain, Andrew M. Strassman, and Rami Burstein
- 5327 **Fragile X Mental Retardation Protein Bidirectionally Controls Dendritic I_h in a Cell
Type-Specific Manner between Mouse Hippocampus and Prefrontal Cortex**
Federico Brandalise, Brian E. Kalmbach, Preeti Mehta, Olivia Thornton,
Daniel Johnston, Boris V. Zemelman, and Darrin H. Brager
- 5341 **Erratum:** The article, “Conserved Tao Kinase Activity Regulates Dendritic Arborization,
Cytoskeletal Dynamics, and Sensory Function in *Drosophila*,” by Chun Hu,
Alexandros K. Kanellopoulos, Melanie Richter, Meike Petersen, Anja Konietzny,
Federico M. Tenedini, Nina Hoyer, Lin Cheng, Carole L.C. Poon, Kieran F. Harvey,
Sabine Windhorst, Jay Z. Parrish, Marina Mikhaylova, Claudia Bagni,
Froylan Calderon de Anda, and Peter Soba, appeared on pages 1819–1833 of the
February 26, 2020 issue. An erratum for this article appears on page 5341.

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