



Cover legend: This image shows the localization of zebrafish apical polarity gene Crb1 (red) in a transverse section of the adult retina. Green is arrestin 3a stain, and blue is DAPI nuclear stain. Unlike mammalian Crb1, zebrafish Crb1 does not localize to the subapical regions of photoreceptors and Müller glial cells; rather, it localizes to a small region of cone outer segments, specifically, the cell membranes surrounding the axonemes. For more information, see the article by Guo et al. (pages 7065–7079).
Cover Image: Chuanyu Guo.

7009 This Week in The Journal

Journal Club

- 7010 **A Model for Neural Network Modeling in Neuroscience**
Katherine R. Storrs and Guido Maiello

Research Articles

CELLULAR/MOLECULAR

- 7013 **SULT4A1 Modulates Synaptic Development and Function by Promoting the Formation of PSD-95/NMDAR Complex**
Lorenza Culotta, Paolo Scalmani, Ersilia Vinci, Benedetta Terragni, Alessandro Sessa, Vania Broccoli, Massimo Mantegazza, Tobias Boeckers, and Chiara Verpelli
- 7027 **Mechanisms Underlying Enhancement of Spontaneous Glutamate Release by Group I mGluRs at a Central Auditory Synapse**
Kang Peng, Xiaoyu Wang, Yuan Wang, Dainan Li, Hai Huang, and Yong Lu
- 7043 **Encoding the Odor of Cigarette Smoke**
Timothy S. McClintock, Naazneen Khan, Yelena Alimova, Madeline Aulisio, Dong Y. Han, and Patrick Breheny
- 7054 **Leptin Sensitizes NTS Neurons to Vagal Input by Increasing Postsynaptic NMDA Receptor Currents**
Drew Neyens, Huan Zhao, Nathaneal J. Huston, Gary A. Wayman, Robert C. Ritter, and Suzanne M. Appleyard

DEVELOPMENT/PLASTICITY/REPAIR

- 7065 **Zebrafish Crb1, Localizing Uniquely to the Cell Membranes around Cone Photoreceptor Axonemes, Alleviates Light Damage to Photoreceptors and Modulates Cones' Light Responsiveness**
Chuanyu Guo, Ciana Deveau, Cen Zhang, Ralph Nelson, and Xiangyun Wei
- 7080 **Neuroendocrine Mechanisms Governing Sex Differences in Hyperalgesic Priming Involve Prolactin Receptor Sensory Neuron Signaling**
Candler Paige, Priscilla A. Barba-Escobedo, Jennifer Mecklenburg, Mayur Patil, Vincent Goffin, David R. Grattan, Gregory Dussor, Armen N. Akopian, and Theodore J. Price

SYSTEMS/CIRCUITS

- 7091 **EphA4 Is Required for Neural Circuits Controlling Skilled Reaching**
Juan Jiang, Klas Kullander, and Bror Alstermark

- 7105 **Dentate Gyrus Sharp Waves, a Local Field Potential Correlate of Learning in the Dentate Gyrus of Mice**
Kolja Meier, Andrea Merseburg, Dirk Isbrandt, Stephan Lawrence Marguet, and Fabio Morellini

BEHAVIORAL/COGNITIVE

- 7119 **Cortical and Thalamic Interaction with Amygdala-to-Accumbens Synapses**
Sun-hui Xia, Jun Yu, Xiaojie Huang, Susan R. Sesack, Yanhua H. Huang, Oliver M. Schlüter, Jun-Li Cao, and Yan Dong
- 7133 **Persistence of Fear Memory Depends on a Delayed Elevation of BAF53b and FGF1 Expression in the Lateral Amygdala**
Miran Yoo, Seongwan Park, Inkyung Jung, and Jin-Hee Han
- 7142 **Decreased Alertness Reconfigures Cognitive Control Networks**
Andrés Canales-Johnson, Lola Beerendonk, Salome Blain, Shin Kitaoka, Alejandro Ezquerro-Nassar, Stijn Nuiten, Johannes Fahrenfort, Simon van Gaal, and Tristan A. Bekinschtein
- 7155 **Evidence for Immediate Enhancement of Hippocampal Memory Encoding by Network-Targeted Theta-Burst Stimulation during Concurrent fMRI**
Molly S. Hermiller, Yu Fen Chen, Todd B. Parrish, and Joel L. Voss

NEUROBIOLOGY OF DISEASE

- 7169 **Cell-Type-Specific Gene Inactivation and *In Situ* Restoration via Recombinase-Based Flipping of Targeted Genomic Region**
Xue Liu, Liang Ma, Hongzhi Liu, Jingwen Gan, Yidan Xu, Tianrui Zhang, Peiyuan Mu, Jinyun Wu, Yun Shi, Yubin Zhang, Ling Gong, and Miao He
- 7187 **Erratum:** The article “Somatostatin-Expressing Interneurons in the Auditory Cortex Mediate Sustained Suppression by Spectral Surround” by Anna A. Lakunina, Matthew B. Nardoci, Yashar Ahmadian and Santiago Jaramillo appeared on pages 3564–3575 of the April 29, 2020 issue. An erratum for this article appears on page 7187.
- 7188 **Erratum:** The article “Relating Divisive Normalization to Neuronal Response Variability” by Ruben Coen-Cagli and Selina S. Solomon appeared on pages 7344–7356 of the September 11, 2019 issue. An erratum for this article appears on page 7188.

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