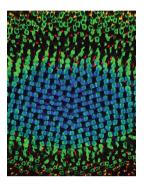


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Cover legend: This image shows the localization of zebrafish apical polarity gene Crb1 (red) in a transverse section of the adult retina. Green is arrestin 3a stain, and blue is DAPI nuclear stain. Unlike mammalian Crb1, zebrafish Crb1 does not localize 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
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- 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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