

# The Journal of Neuroscience

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**Cover legend:** Composition of three mouse retinal ganglion cells arbors in the superior colliculus. Individual retinal ganglion cells were labeled by injection and electroporation of plasmids encoding reporter proteins into the embryonic retina. Arbors in the superior colliculus of nine-day-old mice were imaged individually, superimposed in a single image, and artificially colored. Blue, red, and green arbors correspond to control retinal ganglion cells, while magenta and yellow axons come from retinal ganglion cells that ectopically express the rectifying potassium channel Kir2.1. Although all the axons reach similar topographic points in the superior colliculus, the Kir2.1-expressing axons do not arborize properly. For more information, see Benjumeida et al. (18208–18218).

## i This Week in The Journal

### Brief Communications

- 18015 A Novel Hap1–Tsc1 Interaction Regulates Neuronal mTORC1 Signaling and Morphogenesis in the Brain**  
Luis A. Mejia, Nadia Litterman, Yoshiho Ikeuchi, Luis de la Torre-Ubieta, Eric J. Bennett, Chi Zhang, J. Wade Harper, and Azad Bonni
- 18219 The  $\alpha$ -1 Receptor Interacts Directly with GluN1 But Not GluN2A in the GluN1/GluN2A NMDA Receptor**  
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- 18242 Early Auditory Processing in Area V5/MT+ of the Congenitally Blind Brain**  
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- 18270 Microglial CD33-Related Siglec-E Inhibits Neurotoxicity by Preventing the Phagocytosis-Associated Oxidative Burst**  
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- 18234 The Fragile X Mental Retardation Protein Regulates Matrix Metalloproteinase 9 mRNA at Synapses**  
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- 18065 **CLN3 Loss Disturbs Membrane Microdomain Properties and Protein Transport in Brain Endothelial Cells**  
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Pedro Feliciano, Rodrigo Andrade, and Maria Bykhovskaia

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