

Retinal Bipolar Cells

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Recent Publications on Retinal Bipolar Cells:



- [Interneuron circuits tune inhibition in retinal bipolar cells.](#)
*While connections between inhibitory interneurons are common circuit...*13th November, 2009
University of Arizona.- J Neurophysiol. 2009 Nov 11. ([DOI Direct Link](#))
- [A genetically encoded reporter of synaptic activity in vivo.](#)
*To image synaptic activity within neural circuits, we tethered the...*10th November, 2009
Medical Research Council Laboratory of Molecular Biology, Cambridge, UK.- Nat Methods. 2009 Nov 8. ([DOI Direct Link](#))
- [Ectopic synaptic ribbons in dendrites of mouse retinal ON- and OFF-bipolar cells.](#)
*The ectopic distribution of synaptic ribbons in dendrites of mouse retinal...*28th October, 2009
Department of Biology, Hyogo College of Medicine, Nishinomiya, Hyogo,- Cell Tissue Res. 2009 Oct 27. ([DOI Direct Link](#))
- [Genetic dissection of rod and cone pathways in the dark-adapted mouse retina.](#)
*A monumental task of the mammalian retina is to encode an enormous range...*24th October, 2009
Department of Ophthalmology, Cullen Eye Institute, Baylor College of- J Neurophysiol. 2009 Sep;102(3):1945-55. Epub 2009 Jul 8. ([DOI Direct Link](#))
- [Functional localization of the nitric oxide/cGMP pathway in the salamander retina.](#)
*Nitric oxide (NO) is a gaseous neuromodulator that has physiological...*16th October, 2009
Department of Biology, Boston University, Boston, Massachusetts 02215,- Vis Neurosci. 2009 May-Jun;26(3):275-86. Epub 2009 Jul 14. ([DOI Direct Link](#))
- [Role of melastatin-related transient receptor potential channel TRPM1 in the retina: Clues from horses and mice.](#)
*The ectopic distribution of synaptic ribbons in dendrites of mouse retinal...*10th October, 2009
Department of Neuroscience, University of Minnesota, Minneapolis, 55455,- J Neurosci. 2009 Sep 23;29(38):11720-2. ([DOI Direct Link](#))
- [Serotonin released from amacrine neurons is scavenged and degraded in bipolar neurons in the retina.](#)
*The neurotransmitter serotonin is synthesized in the retina by one type of...*10th October, 2009
Department of Neuroscience, The Ohio State University, Columbus, Ohio,- J Neurochem. 2009 Oct;111(1):1-14. Epub 2009 Jul 8. ([DOI Direct Link](#))
- [Labelling and targeted ablation of specific bipolar cell types in the zebrafish retina.](#)
*BACKGROUND: Development of a functional retina depends on regulated...*2nd October, 2009
Department of Molecular Biology, University of Bergen, PO Box 7803, N-5020- BMC Neurosci. 2009 Aug 27;10:107. ([DOI Direct Link](#))
- [Neurotransmission selectively regulates synapse formation in parallel circuits in vivo.](#)

*Activity is thought to guide the patterning of synaptic connections in the...*24th September, 2009
Department of Anatomy and Neurobiology, Washington University School of- Nature. 2009 Aug
20;460(7258):1016-20. ([DOI Direct Link](#))

- [Neuroscience: Activity acts locally.](#)

*Activity is thought to guide the patterning of synaptic connections in the...*24th September, 2009
- Nature. 2009 Aug 20;460(7258):961-3. ([DOI Direct Link](#))

- [High-sensitivity rod photoreceptor input to the blue-yellow color opponent pathway in macaque retina.](#)

*Small bistratified cells (SBCs) in the primate retina carry a major...*24th September, 2009
Salk Institute for Biological Studies, La Jolla, California, USA.- Nat Neurosci. 2009 Sep;12(9):1159-64.
Epub 2009 Aug 9. ([DOI Direct Link](#))

- [Genetic address book for retinal cell types.](#)

*The mammalian brain is assembled from thousands of neuronal cell types...*24th September, 2009
Neural Circuit Laboratories, Friedrich Miescher Institute for Biomedical- Nat Neurosci. 2009
Sep;12(9):1197-204. Epub 2009 Aug 2. ([DOI Direct Link](#))

- [Retina-specific GTPase accelerator RGS11/G beta 5S/R9AP is a constitutive heterotrimer selectively targeted to mGluR6 in ON-bipolar neurons.](#)

*Members of the R7 family of the regulators of G-protein signaling (R7 RGS)...*11th August, 2009
Department of Pharmacology, University of Minnesota, Minneapolis,- J Neurosci. 2009 Jul
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- [ON inputs to the OFF layer: bipolar cells that break the stratification rules of the retina.](#)

*The vertebrate retina is a distinctly laminar structure. Functionally, the...*4th August, 2009
Department of Ophthalmology and Visual Science, University of Texas at- J Neurosci. 2009 Jul
15;29(28):8875-83. ([DOI Direct Link](#))

- [Characterization of green fluorescent protein-expressing retinal cone bipolar cells in a 5-hydroxytryptamine receptor 2a transgenic mouse line.](#)

*Retinal bipolar cells relay visual information from photoreceptors to...*11th July, 2009
Department of Anatomy and Cell Biology, Wayne State University School of- Neuroscience. 2009 Oct
6;163(2):662-8. Epub 2009 Jul 7. ([DOI Direct Link](#))

Retinal Bipolar Cells Patents:



- 7248928- [Artificial eye system](#)
- 7158836- [Electrode member for retinal stimulation, and artificial retinal device using the electrode member](#)
- 7020527- [Ophthalmic treatment apparatus](#)
- 6274330- [L-AP4 sensitive glutamate receptors](#)
- 6008046- [Drug and pesticide screening](#)
- 6001581- [Cation-based bioassay using human metabotropic glutamate receptors](#)
- 5738999- [L-AP4 sensitive glutamate receptors](#)
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