



Cover legend: This image shows a computer rendering of 145 rabbit ON cone bipolar cells contained within Retinal Connectome 1 (RC1), color coded according to class. We defined seven classes of bipolar cells based on ultrastructural reconstruction of morphology and circuit connectivity in a 0.25 mm diameter volume of rabbit retina captured at synaptic resolution. Cells were classified based on morphology and connectivity, including novel gap junctional coupling motifs, and are colored according to class: CBb3 (red), CBb3n (orange), CBb4 (lime), CBb4w (green), CBb5 (cyan), CBb6 (purple), and CBBwf (gray). Gap junctions between ON cone bipolar cells provide extensive lateral paths both within and across these parallel visual processing channels of the mammalian retina. For more information, see the article by Sigulinsky et al. (pages 4483–4511).

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