

Resource Summary Report

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Webvision - The Organization of the Retina and Visual System

RRID:SCR_004254

Type: Tool

Proper Citation

Webvision - The Organization of the Retina and Visual System (RRID:SCR_004254)

Resource Information

URL: <http://webvision.med.utah.edu/>

Proper Citation: Webvision - The Organization of the Retina and Visual System (RRID:SCR_004254)

Description: Online textbook that has evolved into an interactive, dynamic blog that covers all things related to the bioscience of the visual system. It summarizes recent advances in knowledge and understanding of the visual system through dedicated chapters and evolving discussion to serve as a clearing house for all things related to retina and vision science.

Abbreviations: Webvision

Synonyms: Webvision - The Organization of the Retina Visual System

Resource Type: data or information resource, image collection, narrative resource, blog, book

Keywords: eye, visual system, vision, retina, neuroanatomy

Resource Name: Webvision - The Organization of the Retina and Visual System

Resource ID: SCR_004254

Alternate IDs: nlx_26732

Record Creation Time: 20220129T080223+0000

Record Last Update: 20260808T185819+0000

Ratings and Alerts

No rating or validation information has been found for Webvision - The Organization of the Retina and Visual System.

No alerts have been found for Webvision - The Organization of the Retina and Visual System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Thoreson WB, et al. (2024) Geometric tortuosity at invaginating rod synapses slows glutamate diffusion and shapes synaptic responses: insights from anatomically realistic Monte Carlo simulations. *bioRxiv : the preprint server for biology*.

Bernstein PS, et al. (2022) Nourishing Better Vision: The ARVO 2021 Mildred Weisenfeld Award Lecture. *Investigative ophthalmology & visual science*, 63(3), 13.

Faber S, et al. (2022) A defective structural zipper in photoreceptors causes inherited blindness. *PLoS biology*, 20(6), e3001672.

Tyler CW, et al. (2022) Brain trauma impacts retinal processing: photoreceptor pathway interactions in traumatic light sensitivity. *Documenta ophthalmologica. Advances in ophthalmology*, 144(3), 179.

Petersen-Jones SM, et al. (2022) An unusual inherited electroretinogram feature with an exaggerated negative component in dogs. *Veterinary ophthalmology*, 25(5), 385.

Ramachandra Rao S, et al. (2021) Cholesterol homeostasis in the vertebrate retina: biology and pathobiology. *Journal of lipid research*, 62, 100057.

Weiss E, et al. (2020) Shedding light on dark adaptation. *The biochemist*, 42(5), 44.

Ding X, et al. (2019) Computational-observer analysis of illumination discrimination. *Journal of vision*, 19(7), 11.

Hanlon KS, et al. (2017) A Novel Retinal Ganglion Cell Promoter for Utility in AAV Vectors. *Frontiers in neuroscience*, 11, 521.

Veleri S, et al. (2015) Biology and therapy of inherited retinal degenerative disease: insights from mouse models. *Disease models & mechanisms*, 8(2), 109.

Kiel C, et al. (2011) Structural and functional protein network analyses predict novel signaling functions for rhodopsin. *Molecular systems biology*, 7, 551.

Bergholz R, et al. (2010) Effects of the AMPA antagonist ZK 200775 on visual function: a randomized controlled trial. PLoS one, 5(8), e12111.

Adijanto J, et al. (2009) CO₂-induced ion and fluid transport in human retinal pigment epithelium. The Journal of general physiology, 133(6), 603.

Karan S, et al. (2008) A model for transport of membrane-associated phototransduction polypeptides in rod and cone photoreceptor inner segments. Vision research, 48(3), 442.

Williams ML, et al. (2006) Lentiviral expression of retinal guanylate cyclase-1 (RetGC1) restores vision in an avian model of childhood blindness. PLoS medicine, 3(6), e201.