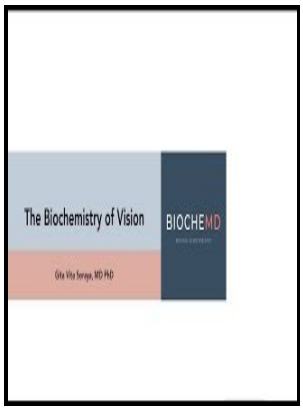
Biochemistry of vision

Academic Press - Biochemistry of the Eye



Description: -
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Retinal pigments -- Metabolism.
Retinal pigments -- Biosynthesis.
Vision -- Physiology.
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-Biochemistry of vision
Notes: Includes bibliographical references and index.
This edition was published in 1983

Filesize: 58.13 MB

Tags: #Biochemistry #of #Vision

Biochemistry of Vision

It is located in the center of the retina. These cells receive light, and pass on signals to other receiver cells.

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Light, as waves carry energy, contains energy by different wavelength.

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It has always been and will be. The cornea has a refractive index of 1. Other chapters cover a brief discussion of several topics, including biomembranes, photochemistry, spectral properties of retinal isomers, and the photochemical properties of the chromophore of rhodopsin.

Biochemistry of the Eye

Show more Biochemistry of Vision provides information pertinent to vision biochemistry. The retina converts light into electrical impulses that are sent to the brain through the optic nerve.

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This chain of process is class signal transduction pathway. The cornea and lens, which are two constituents of the light-focusing system, form an inverted image on the retina.

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The brain then determines, which nerve fibers carried the electrical impulse activate by light at certain photoreceptors, and then creates an image. Rods contain a light sensitive pigment rhodospin or visual pigment.

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