Internal structure of the luminous cell

Shichi, W. et al. EVALUATION OF THE INFLUENCE OF AN INTEGRATING SPHERE INTERNAL STRUCTURE ON ... EVALUATION OF THE INFLUENCE OF AN INTEGRATING SPHERE INTERNAL STRUCTURE ON TOTAL LUMINOUS FLUX MEASUREMENT Shichi, W.1, Toyota, T.1, Suzuki, T.1 and Ohkubo, K.2 1 Industrial Research Institute of Shizuoka ...

"Cell hollowing" describes a process in which intracellular vesicles carrying plasma membrane and luminal material coalesce into an elongated structure that spans the length of the cell (Fig. 2 E). This structure connects with lumina from adjacent cells, thus forming a seamless tube (reviewed in Lubarsky & Krasnow, 2003).

Bioluminescence is the production of light by organisms through an oxidative ...

Regulation of light production by luminous cells in photogenic organs allow precise control of bioluminescent displays. Evolution allowed this scenario in species with photophores, where photocytes developed neural connections. Some luminous fishes developed light organs with a wide variety of pigmented accessory tissues to ...

Cell Organelles - Types, Structure and their Functions

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Bioluminescent reactions, either from luciferin/luciferase or photoprotein ...

Internally, the cell is divided into the cytoplasm and the nucleus. The cytoplasm (cyto- = cell; - plasm = "something molded") is where most functions of the cell are carried out. It looks a bit-like mixed fruit jelly, where the watery jelly is called the cytosol; and the different fruits in it ...

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