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ART 466

Prof Smith

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Project 2 Research: Bioluminescence in Nature

My research project explores the phenomenon of bioluminescence, the natural ability of living creatures that produce and emit light. They are found in a wide range of species, from the deep-sea critters like jellyfish and anglerfish to terrestrial organisms such as fireflies and fungi. Bioluminescence plays an important role in survival. Organisms use this superpower for communication, camouflage, predation, and defense. The project will examine the biological mechanisms behind this process, including the chemical reactions that produce light, as well as the environmental conditions in which these bioluminescent species thrive.

My website aims to utilize somewhat muted backgrounds, glowing color palettes, and interactive elements to reflect the quality of bioluminescent organisms. Users will navigate through sections that highlight different ecosystems, species, and functions of bioluminescence, creating an educational and immersive experience. This project aims to combine my research with a strong visual design and demonstrate scientific concepts that are easy to understand. Through an engaging and fun design, my goal is to create something that is entertaining for both children and people of all ages. I plan to utilize photography from official magazines and create a logo that matches the site.