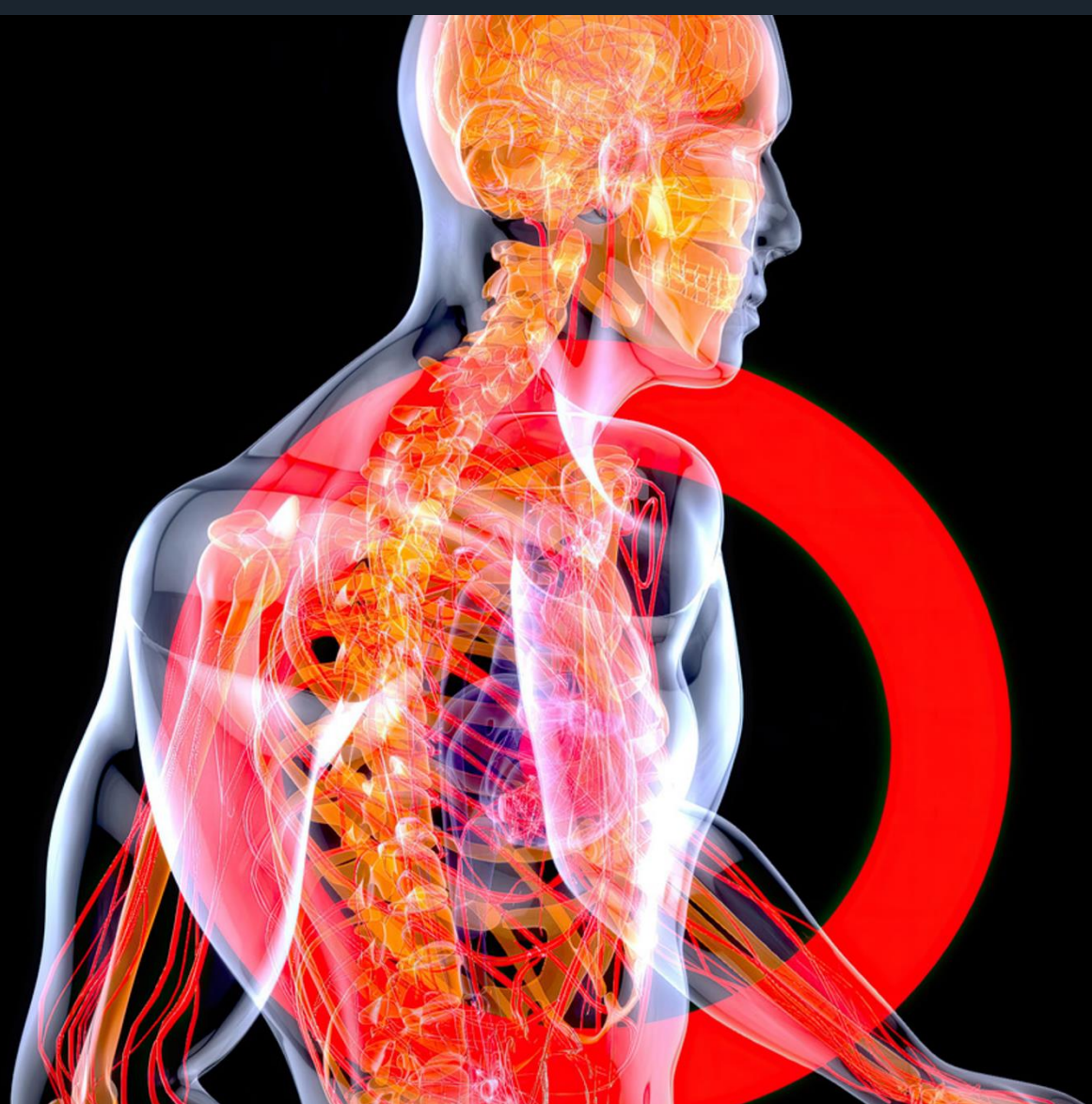


PHOTOTHERAPORT

LUMINESCENT IMPLANTS AS PORTS FOR LIGHT-BASED THERAPIES



Light controlled drugs to
modulate neuronal activity
locally and on-demand
without systemic adverse
effects

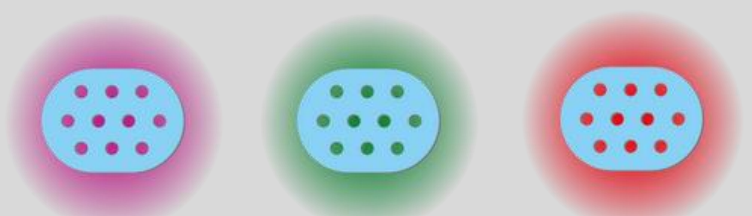
PHOTOTHERAPORT Project combines locally
light-emitting implants (phototheraports) with
light-controlled drugs

PHOTOTHERAPORTS

Phototheraports are tiny devices that act as light sources within the body. These implants, when receiving infrared light (invisible and non-invasive) from outside the body, emit light in the visible spectrum, which will activate the photoswitchable drugs.

LIGHT-CONTROLLED DRUGS

Photoswitchable drugs with anti-inflammatory and neuroinhibitory activity become active inside the body only when exposed to a specific color of light emitted by a phototheraport.



The **PHOTOTHERAPORT** project is at the forefront of medical innovation, exploring new frontiers in the treatment of neurological and inflammatory conditions.

<https://phototheraport.org>

#PHOTOTHERAPORT



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