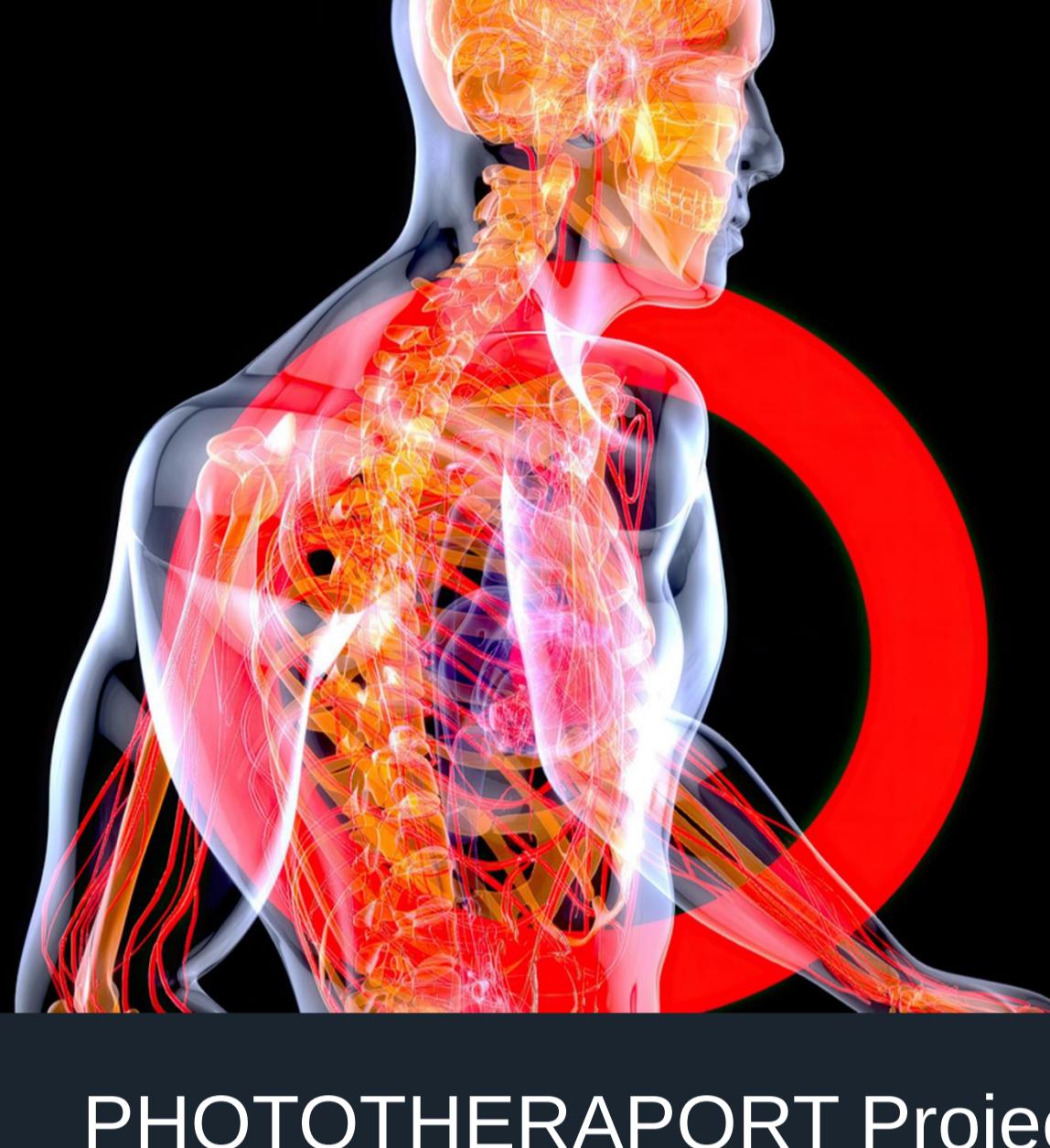


PHOTOTHERAPORT

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



This project has received funding from the European Union's HORIZON-EIC-2023 PATHFINDEROPEN-01 program under grant agreement No. 101130883

European Innovation Council



Funded by the European Union