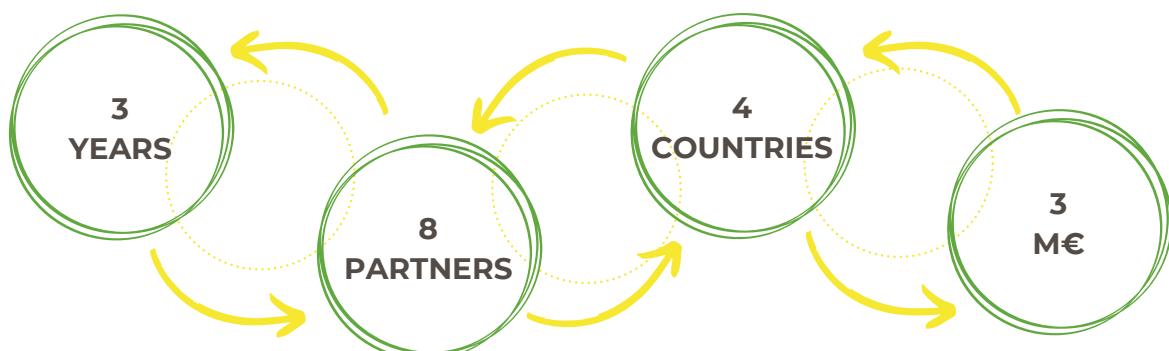


The PHOTOTHERAPORT project is at the forefront of medical innovation, exploring new frontiers in the treatment of neurological and inflammatory conditions.



We use light to create effective clinical anti-inflammatory and neurological treatments with precise spatiotemporal and pharmacological activity



How does our photopharmacology approach works?

By combining locally light-emitting implants (PhotoTheraPorts) with light-controlled drugs to offer precise and personalized therapeutic solutions

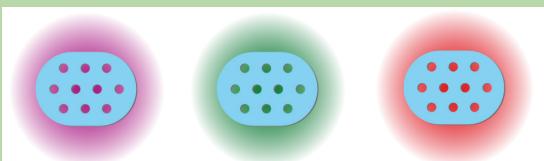
<https://phototheraport.org>

PHOTOTHERAPORT

LUMINESCENT IMPLANTS AS PORTS FOR LIGHT-BASED THERAPIES

PHOTOTHERAPORTS

Our light implants are tiny devices that act as light sources within the body. These implants, guided by nanocrystals, **emit light in the visible spectrum only when exposed to non-invasive infrared light** from outside our body, thus non-invasively.



LIGHT-CONTROLLED DRUGS

We are developing photosensitive drugs that are only activated when exposed to specific visible light. **In our system, the light emitted by the PhotoTheraPorts activates these drugs.**



We will apply this technology to develop drugs that have anti-inflammatory and neuroinhibitive activities, so they will act as personalized light switches for the nervous system

<https://phototheraport.org>



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