

Project Name | L.A.S.E.R.-P - Laser Acústico para Sondar, Examinar e Remediar a Pele

Project Code | POCI-01-0247-FEDER-039704 / LISBOA-01-0247-FEDER-039704

Main objective | Reinforce research, technological development and innovation

Intervention regions | Center, Lisboa, North

Beneficiary entity | LASERLEAP TECHNOLOGIES, S.A.

Approval Date | 30-04-2019

Start Date | 01-06-2019

End Date | 31-05-2021

Total eligible cost | 1.020.511,59€

Financial support from the European Union | FEDER - 751.818,90€

Objectives, activities and expected results:

One of the most common causes of abnormalities in our skin are structural changes in the internal constituents that exhibit subtle and undetectable physical changes for the clinical eye. The **L.A.S.E.R.-P Acoustic Laser to Scan, Examine and Remedy the Skin** introduces a non-invasive, compact and capable solution to overcome these difficulties, using a photogrammetric imaging technique for a continuous observation of the subtle changes of skin lesions.

In these project is investigated laser-induced photoacoustic methods to probe the layers of the skin and some of its most notable structures, such as the hair follicle. In this sense, the aim is to develop innovative, economic, versatile and safe portable devices for non-invasive assessment and permeabilization of the skin, in order to make dermo-cosmetic treatments more effective.

The development of the L.A.S.E.R.-P project will be carried out in consortium with the University of Coimbra and Sonae Center Serviços II, with LaserLeap Technologies S.A being the leader company of this project.