



Carlos Serpa
Work in Portugal
4 November 2025

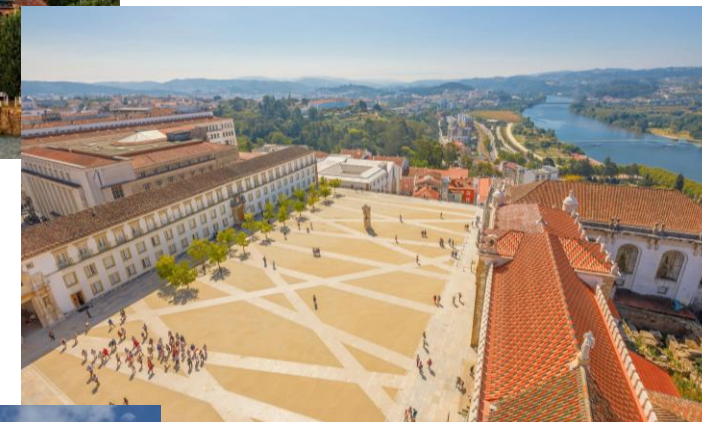


LaserLeap.®





Founded in 1290



Coimbra, **Portugal**

1. Who we are
2. The origins of our technologies and our methodology
3. What we need



Medical and
Aesthetic device
company

R&D intensive

Based on owned
intellectual
property

Permeation lab



Analytical lab

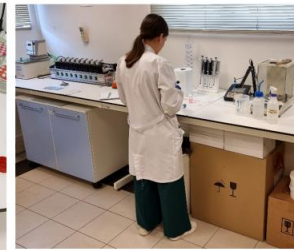


 **LaserLeap.**

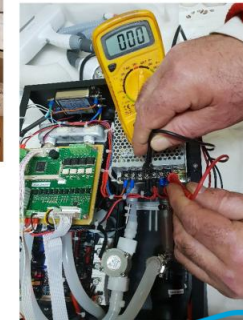
Instrumental Optics lab



Materials lab



Ex vivo permeation studies



Tests with human volunteers

**PHOTOACOUSTIC
TECHNOLOGY**
**PHOTODINAMIC
THERAPY TECHNOLOGY**

**STRONG OWNED
PATENT PORTFOLIO**
**JOINT VENTURES
AND R&D SERVICES**

Device for the efficient delivery of compounds to or through the skin or biological barriers, using light-absorbing thin films

Gonçalo F. F. Sá, Carlos A. L. Serpa Soares, Luis. G. S. Arnaut Moreira

PCT/PT2012/000013, 19/04/2012. WO/2012/144916

Granted in: Australia, Canada, Brazil, China + Hong Kong, Colombia, European Union (Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, India, Ireland, Italy, Lithuania, Netherlands, Poland, Portugal, Slovenia, Spain, Sweden, United Kingdom), Israel, Japan, Mexico, Norway, Russia, South Africa, South Korea, Switzerland, Turkey, United States.

Devices and methods for priming solid tumors with pressure pulses to enhance anticancer therapies

L. G. Arnaut Moreira, M. I. P. Mendes, D. A. C. F. Pereira, C. A. L. Serpa Soares, C. M. F. P. João, J. P. F. B. C. Santos

USA patent application no. 17892355, 22/08/2022

Process for obtaining functionalized polymeric surfaces with photosensitizers, functionalized polymeric material and its use

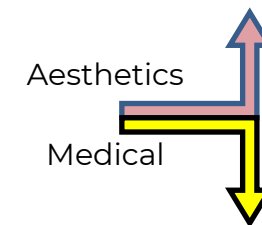
A. C. Zangirolami, V. S. Bagnato, L. D. Dias, N. M. Inada, C. S. Vinagreiro, L. G. Arnaut Moreira, M. M. Pereira, K. C. Blanco

PCT/BR2020/050263, 21/01/2021. WO2021/007638A1

Small cationic ortho-5,15-di-heteroaryl-porphyrin derivatives and their applications in photoinactivation of microorganisms

M. M. Pereira, G. C. D. J. da Silva, L. G. Arnaut Moreira, C. S. Vinagreiro, K. C. Blanco, V. S. Bagnato, N. M. Inada

PCT/IB2020/055584, 17/12/2020. WO2020250207A1



Intellectual property on cardiovascular diseases can only be disclosed after non-disclosure agreement

Paris, 25/10/2021

DÉCISION D'AGRÈMENT
(Dépenses de recherche)

La Ministre de l'Enseignement supérieur, de la Recherche et de l'Innovation,

Vu l'article 244 quater B du code général des impôts,

Vu la demande présentée par l'organisme,

Décide d'accorder l'agrément prévu au II d bis de l'article 244 quater B du code général des impôts pour les organismes de recherche privés, à :

LaserLeap Technologies
3030 Coimbra
PORTUGAL

Cet agrément est accordé au titre des années : 2021,2022,2023.

Le renouvellement de cet agrément se fera sur demande expresse, avant le terme de la dernière année.

Pour la Ministre et par délégation

La cheffe du département des
politiques d'incitation à la recherche et
au développement

Christine COSTES

Exmo.(a) Sr.(a)

Carlos Serpa

Data: Lisboa, 4 de Abril de 2023

Assunto: Reconhecimento de idoneidade da LaserLeap Technologies, S.A em matéria de investigação e desenvolvimento

A LaserLeap Technologies, S.A apresentou a 2023-01-10 o pedido de reconhecimento de idoneidade na prática de atividades de I&D. De acordo com o disposto no n.º 1 do Art. 37º-A do Código Fiscal do Investimento, aditado pela Lei nº 114/2017 de 29 de dezembro, na redação atualmente em vigor, vem a Agência Nacional de Inovação, S.A. reconhecer a idoneidade à LaserLeap Technologies, S.A, para a prática de atividades de investigação e desenvolvimento no(s) seguinte(s) domínio(s) técnico-científico(s) e área(s) de atuação:

Saúde - Tecnologias avançadas aplicadas à Saúde
Tecnologias de Produção e Indústria de Produto - Produtos inovadores e de alto valor acrescentado

Mais informamos que este reconhecimento é válido até ao oitavo exercício seguinte àquele em que foi pedido, conforme disposto no n.º 2 do Art. 37º-A do Código Fiscal do Investimento.

Pela ANII – Agência Nacional de Inovação, S.A.
A Comissão Técnica com competência delegada,

Organization carrying out for thirds,
operations of research and development
Certification for the French research tax credit

Recognition of suitability for conducting research and
development by the Portuguese state.

Board of Directors



Luís Arnaut
Chairman, Co-founder
28.4% of shares



Carlos Serpa
CEO, Co-founder
27.5% of shares



Frédéric Boute
Strategy

Investors



Frédéric Boute
Thaly (France)
25.7% of shares



Xavier Cazabon
Amalur (Spain)
10.6% of shares



Sönke Baumann
BDF Fintech (Germany)
8.8% of shares

Team



Gonçalo Sá
Production, MKT & Sales
Co-founder



Celso João
Instrumentation
Development



Maria Inês Mendes
Pharmaceutical
Development



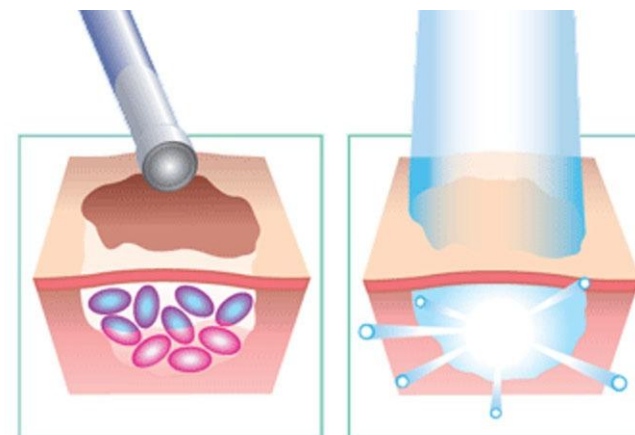
João Santos
Operations Manager



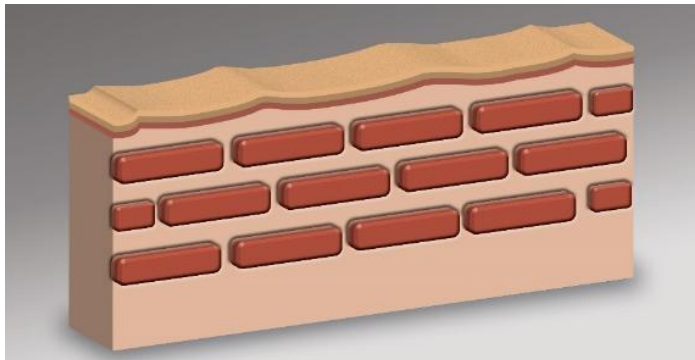
Sofia Guimarães
Analytical
Development



Olga Calado
Regulatory Affairs



Medical application: Skin Cancer Photodynamic Therapy for Skin Cancer



Stratum corneum 10 to 20 μm thick

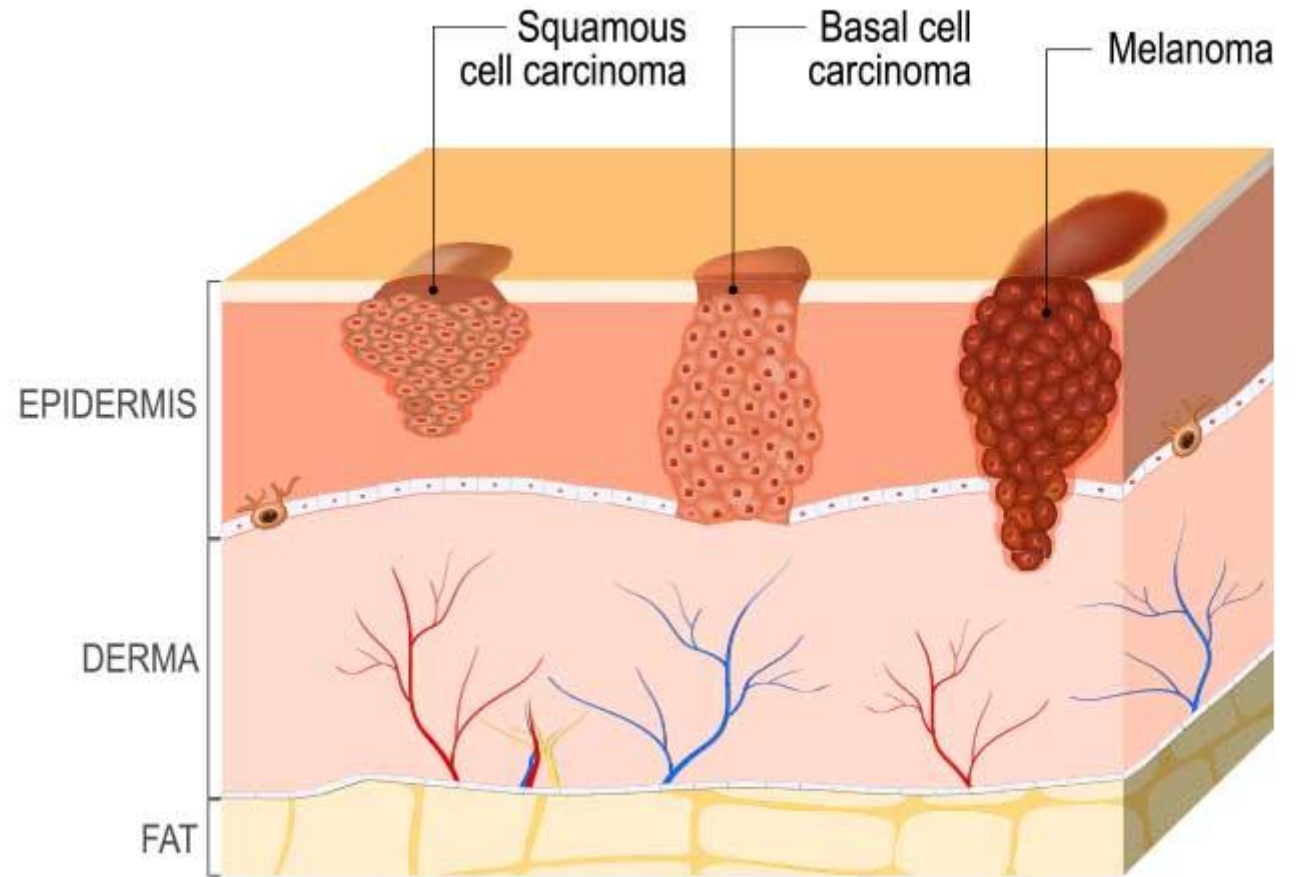
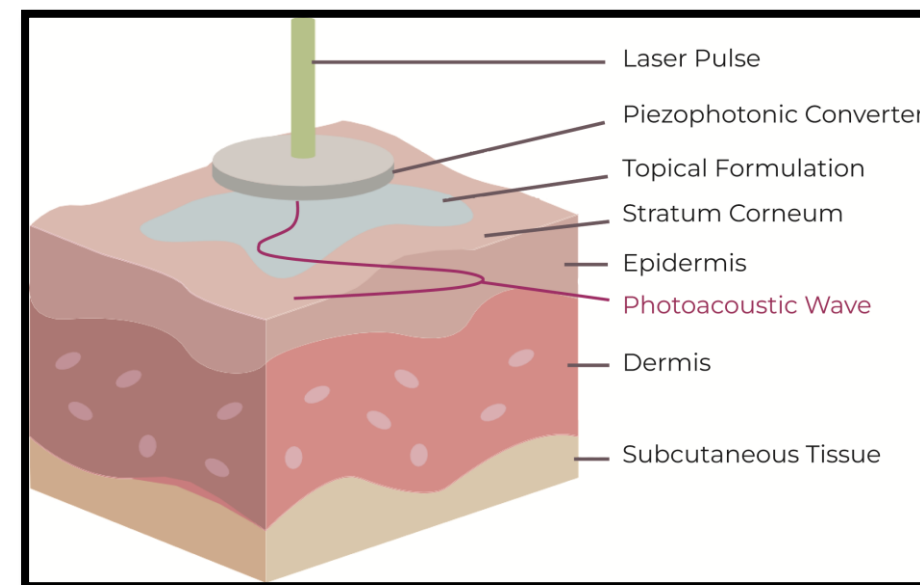
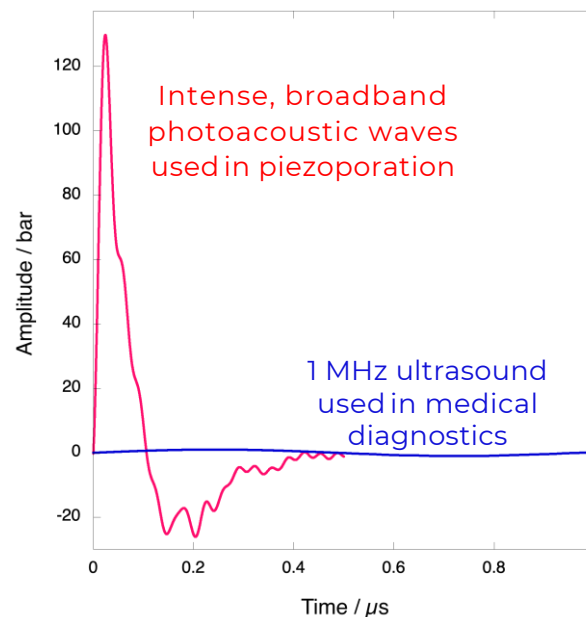
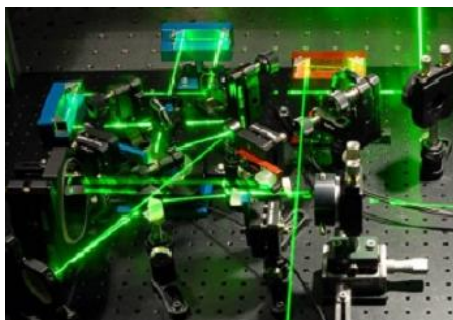


PHOTO ACOUSTICS



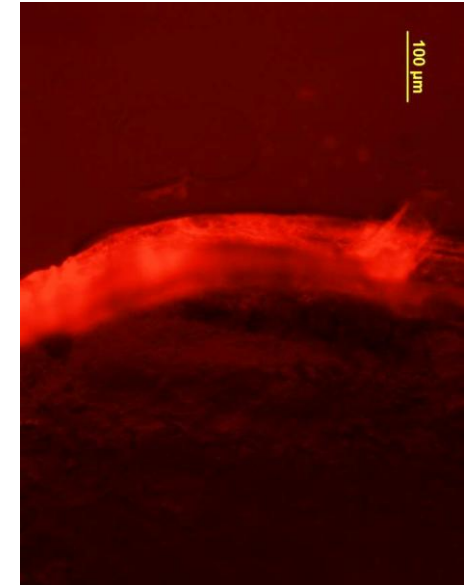
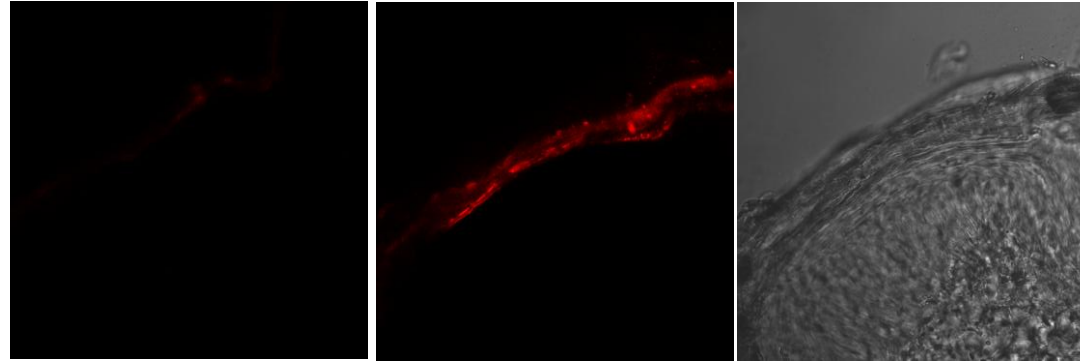
Material **Pressure**
Wave

Light

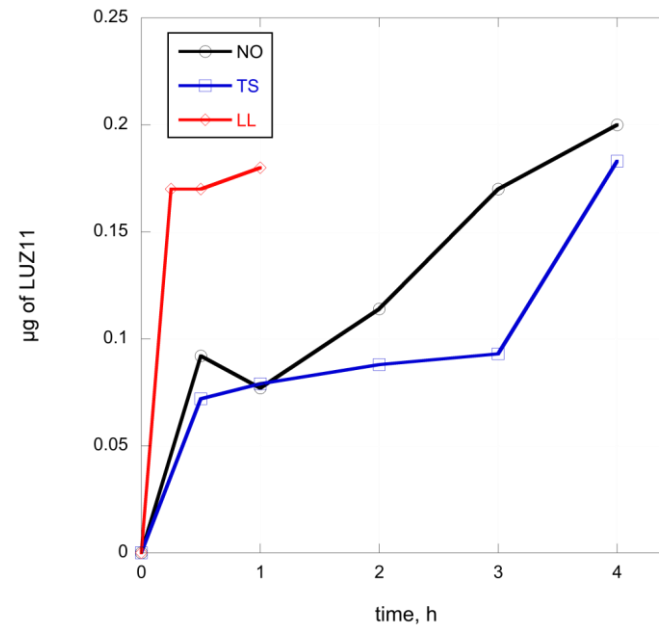


Piezoporation

Proof-of-principle



BacterioChlorin (1 kDa) diffusion through pig's skin



passive delivery

10x tape stripping

pressure wave delivery

Results

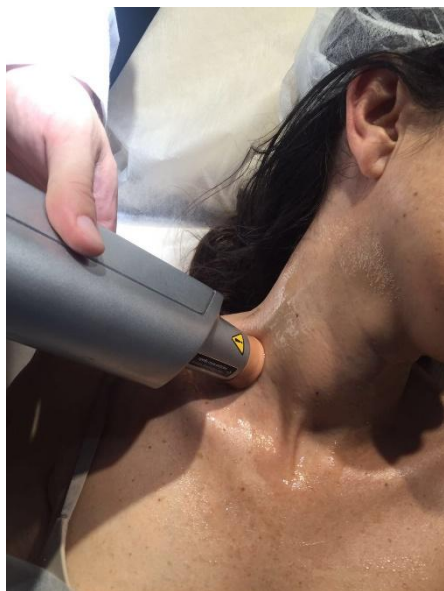
W/ Hyaluronic Acid



Focus on ... **AESTHETICS**



Before - After
3 sessions



Oeiras Parque, November 2024

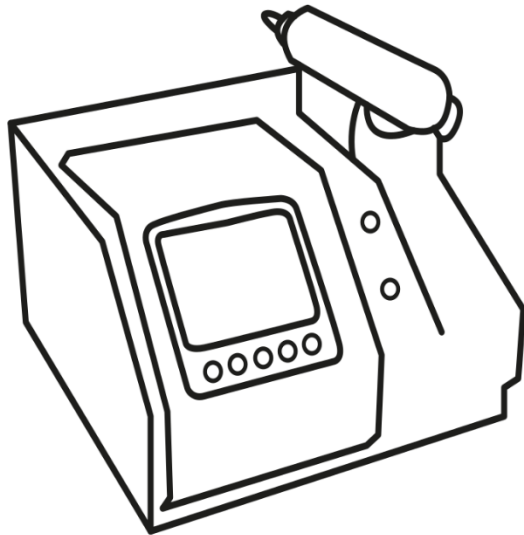
Technology

Laser and Patented
material create ultrasound



Aesthetic Devices Expansion: Drive the market expansion of our advanced, painless skin beauty devices that enable effective transdermal delivery of cosmetic formulations. Primary targets include European and Asia countries.

Laser
Energy source



Ultrasound Converter
Piezophotonic materials



Topical Formulations
Ex: Hyaluronic Acid

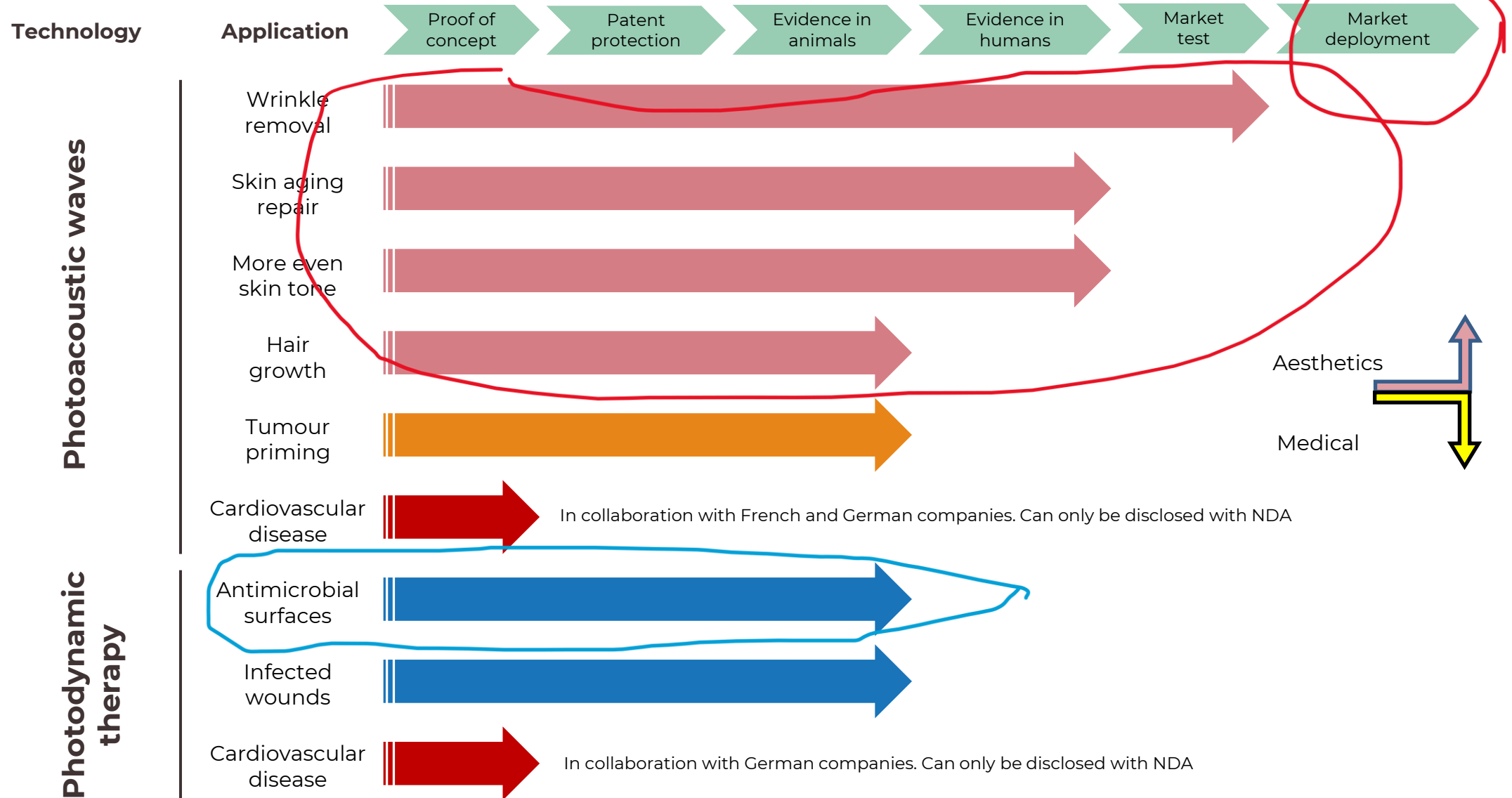


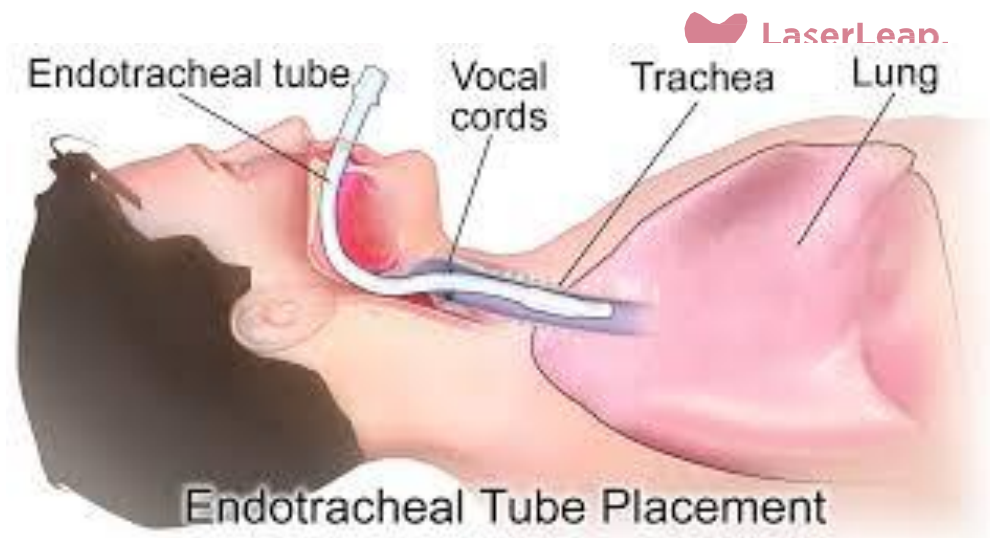
Consumables
Used in each session

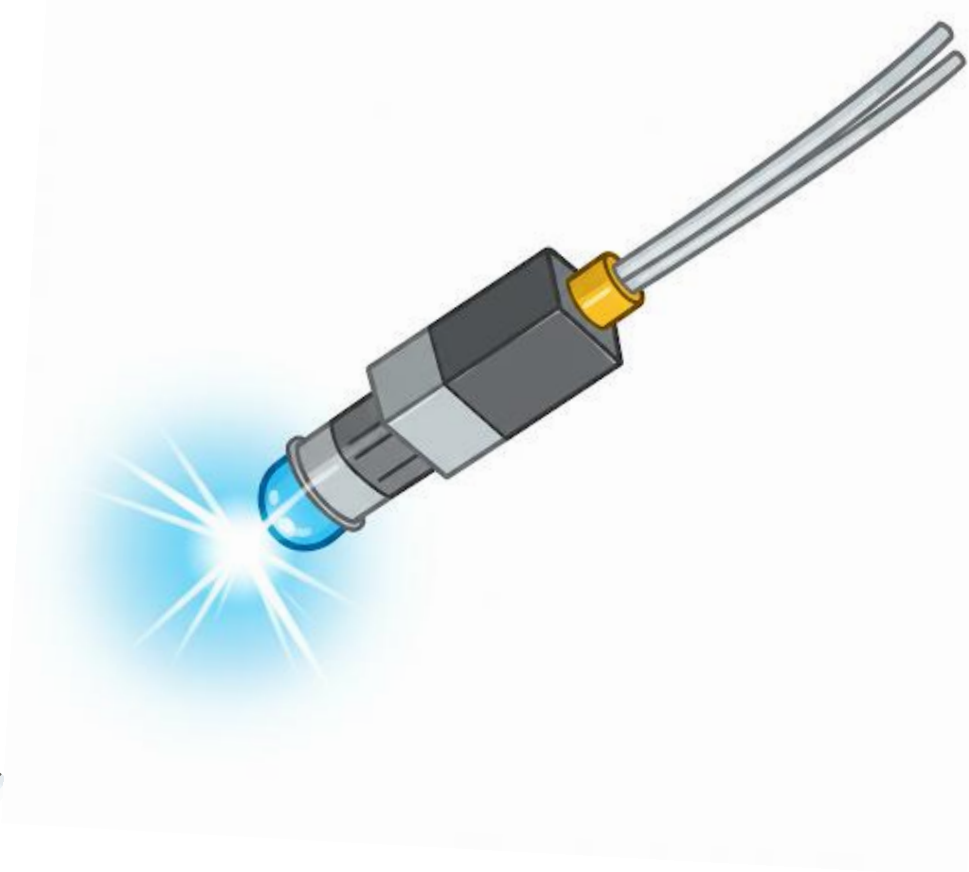
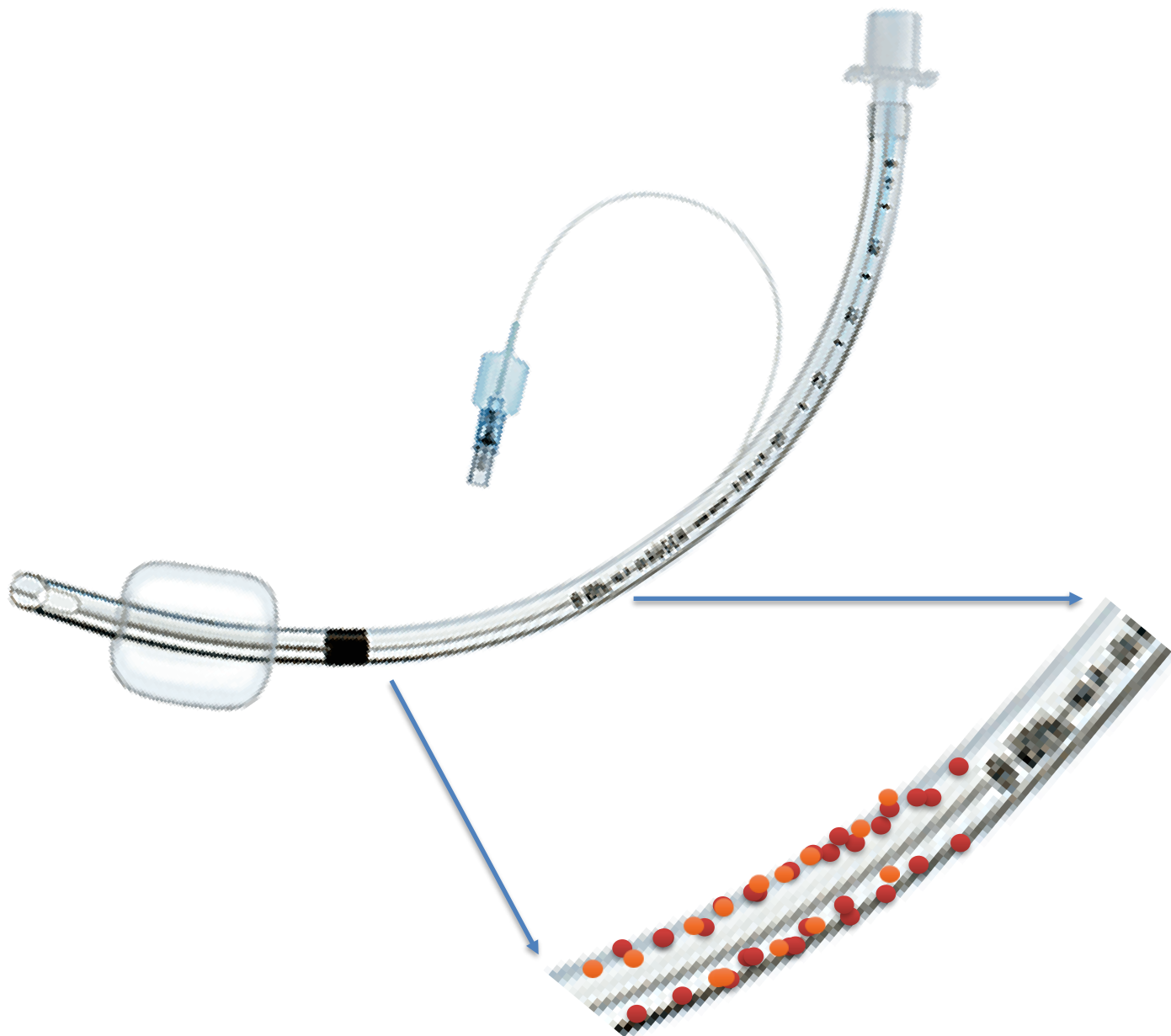
LaserLeap technologies pipeline

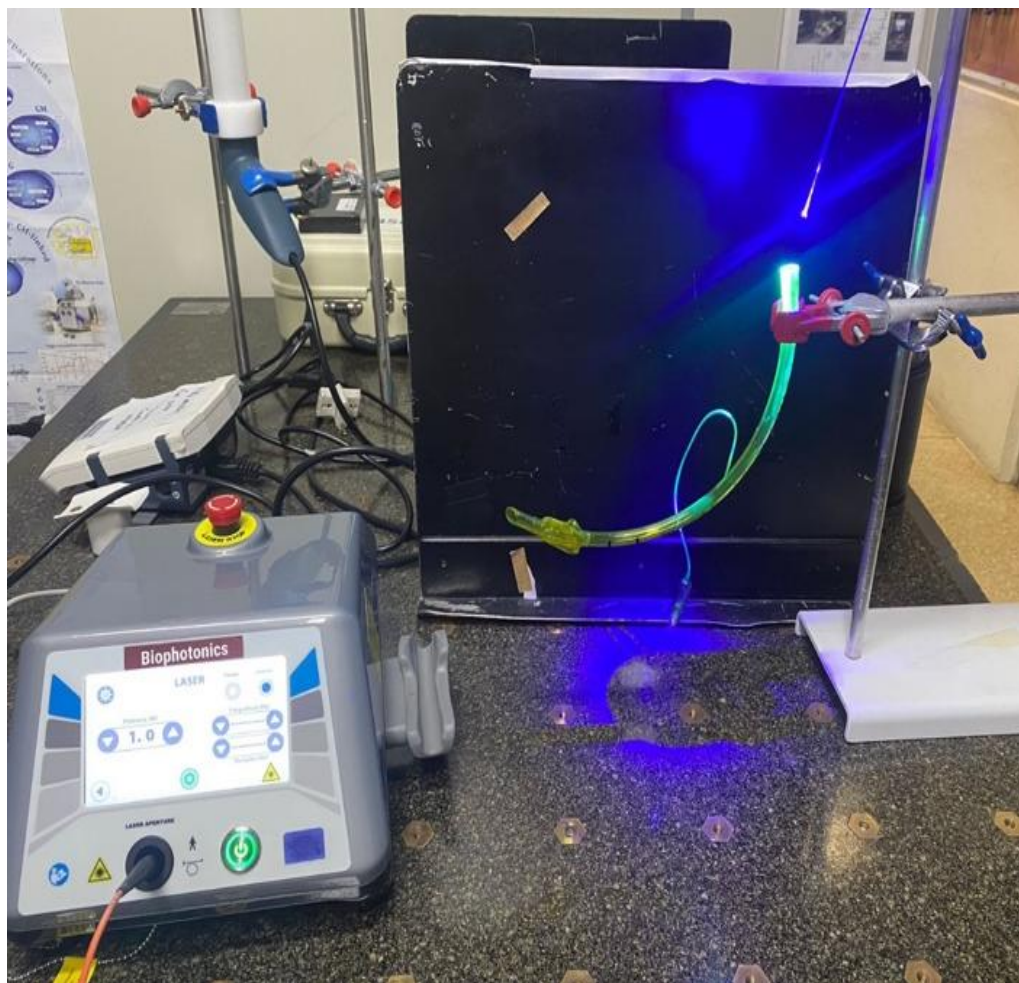


Proprietary photoacoustic and photodynamic technologies have applications in the aesthetics and in the medical markets

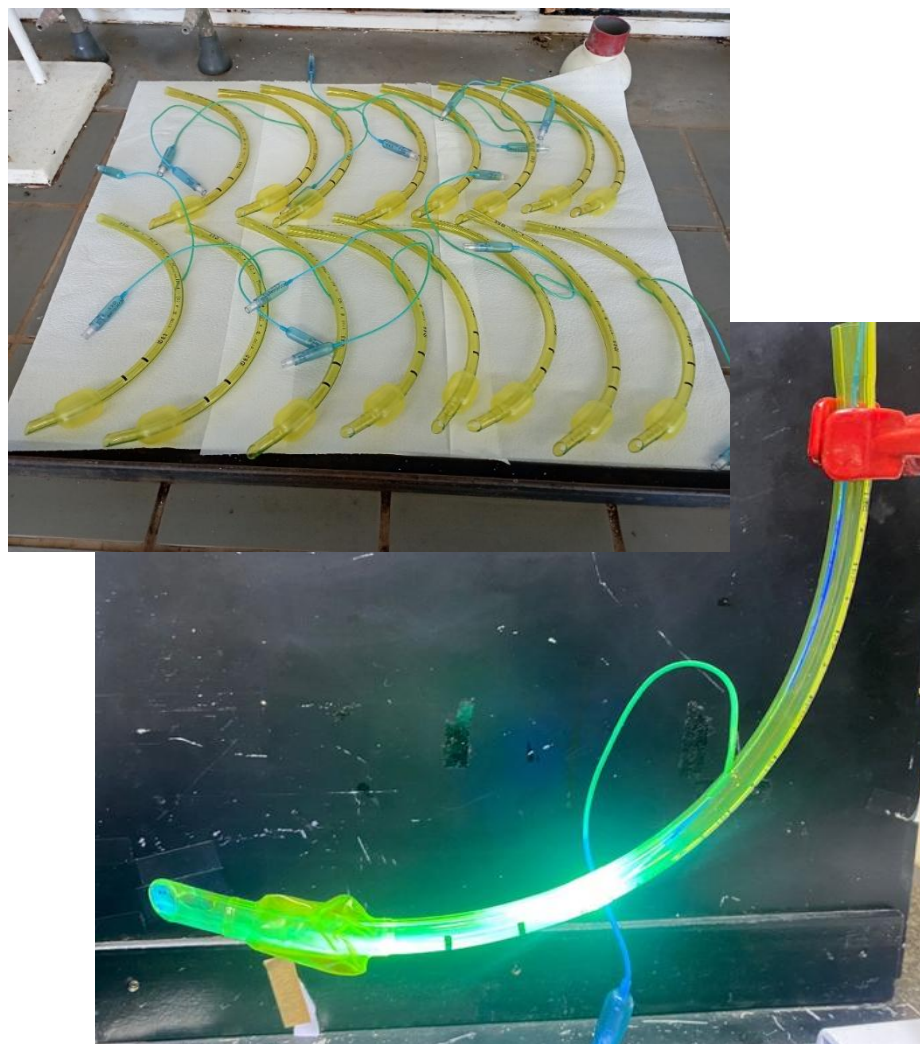






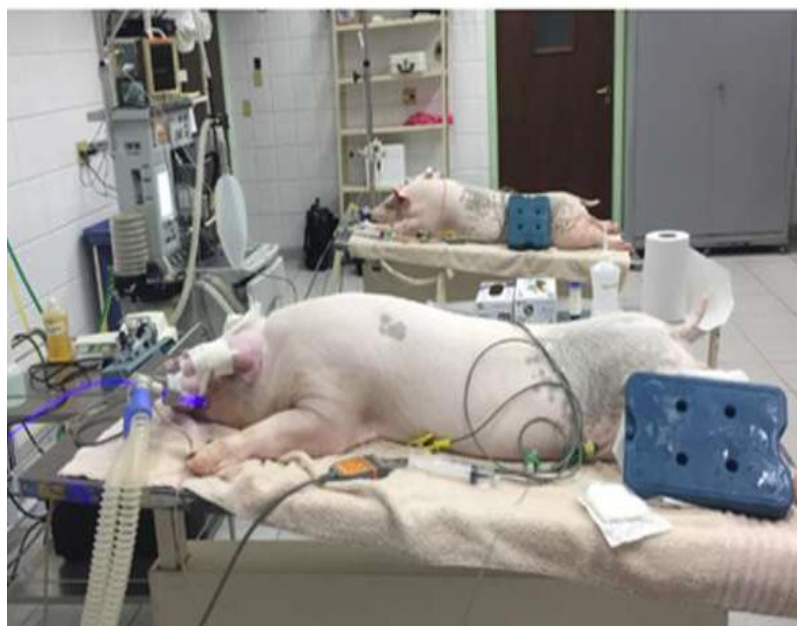
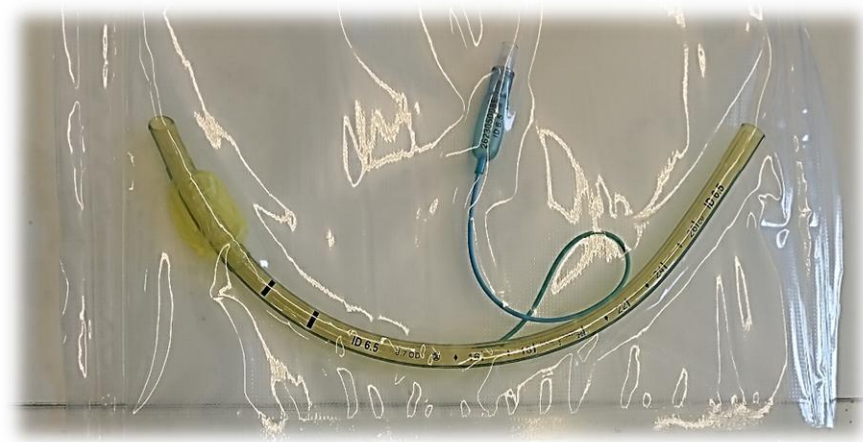


4W laser at 450 nm

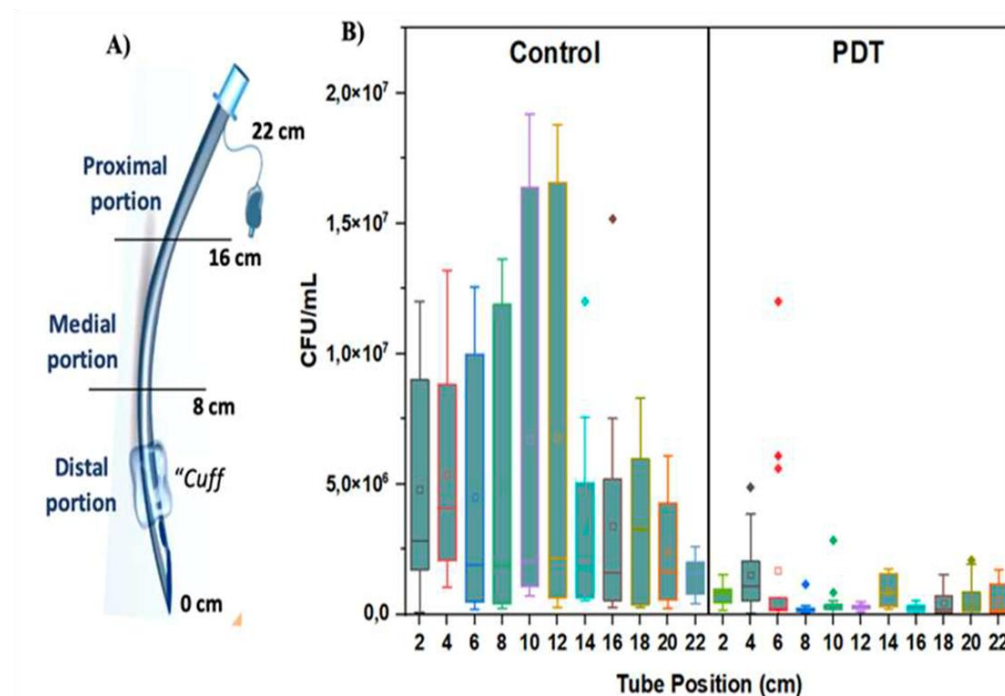


2.5 cm fiber diffuser inside tube

Medical Technology Commercialization: Develop strategic partnerships and prepare for the sale or licensing of our proprietary light-based medical disinfection technology to major industry players. This role combines strategic planning, business negotiation, and hands-on market development to position our company as a leading innovator in both beauty technology and medical device sectors.



PDT in intubated pigs



Business Developer – Aesthetic & Medical Device Expansion

Job Description

We are seeking a dynamic **Business Developer** to lead the international growth of our innovative aesthetic and medical device technologies.

Aesthetic Devices Expansion: Drive the market expansion of our advanced, painless skin beauty devices that enable effective transdermal delivery of cosmetic formulations. Primary targets include European and ASEAN countries.

Medical Technology Commercialization: Develop strategic partnerships and prepare for the sale or licensing of our proprietary light-based medical disinfection technology to major industry players.

This role combines strategic planning, business negotiation, and hands-on market development to position our company as a leading innovator in both beauty technology and medical device sectors.

Key Responsibilities

Identify, evaluate, and develop new business opportunities and distribution channels in target markets.

Conduct market research and competitive analysis to guide expansion strategy. Build and maintain strong relationships with distributors, partners, and potential buyers.

Prepare business proposals, partnership models, and sales presentations. Lead negotiations for contracts, licensing, and technology transfer agreements. Collaborate closely with the R&D and marketing teams to align product positioning with market needs.

Represent the company at industry events, exhibitions, and conferences.

Job Requirements

Bachelor's or Master's degree in **Business, International Relations, Biomedical Engineering**, or a related field.

Proven experience (3–7 years) in **international business development**, preferably within **medical devices, aesthetics, or life sciences** industries.

Strong understanding of **market entry strategies, regulatory environments, and distribution models** across Europe and Asia.

Excellent negotiation, communication, and presentation skills.

Ability to work independently and manage complex projects across multiple markets.

Fluent in **English**; additional languages (Portuguese, French, German, or an Asian language) are an asset.

Willingness to travel internationally as required.



LaserLeap.



Your skin, our expertise.

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**We deliver, safely and effectively, dermo cosmetics to the skin
and medicines where they are needed**