



About LALS 2021

The conference “Laser Application in Life Sciences” (LALS) will take place in Porto, Portugal from October 11th to 13th, 2021. The city of Porto has a strong and multidisciplinary academic community, which is in perfect cooperation with the various public and private hospitals existing in the city and in the north of Portugal.



It is a privileged location to host an event such as LALS, bringing together local and international researchers, clinicians and industrial partners involved in the field of Biophotonics to share their latest research, methods and products.

The conference attendants will have the opportunity to participate in a unique social program, which includes a visit to the Port wine cellars and a tour to the Douro valley, where Port wine grapes are grown.



Mark the date in your calendar: LALS, Porto, Portugal: 11 – 13 October, 2021.

We will be waiting for you in Porto.

Conference Venue

To be available soon.

Tracks and topics for LALS 2021

Track A	Track B	Track C
Biophotonics, present and future	Light as a diagnostic tool	Light as a means for treatment
Light tissue interaction, modelling and optical phantoms	Biomedical diffuse and fluorescence imaging	Tissue welding and photothermal treatments
Tissue optical clearing	Optical measurements in healthcare and pathology discrimination	UV skin therapy for eczema and other pathologies
Light in clinical practice, cryopreservation and food industry	Tissue spectroscopy, microscopy and OCT. Superresolution.	Laser surgery
Cooperation of biophotonics with other techniques	Cytometry and other imaging techniques	PDT techniques
Emerging technologies and applications	Optical sensing of blood, Microcirculation and Laser Speckle Contrast Imaging	Image-guided therapy
Biophotonics devices for personalized diagnostics and wearables	Microwave and terahertz applications in biology and medicine	Low intensity laser therapy
Nanomaterials application for diagnostics and treatment	Elastography, Photoacoustic, Polarization Imaging	
Laser tweezers and micromanipulation	Laser spectroscopy, FLIM, FRED	
The future of biophotonics	Multimodal and Multispectral approaches	

For more information, please contact:

Professor Luís Oliveira
Physics Department
Instituto Superior de Engenharia do Porto
Rua Dr. António Bernardino de Almeida, 431
4249-015 Porto
Portugal
lmo@isep.ipp.pt