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[lightbiosurface.com](http://lightbiosurface.com)

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PhoBioS - COST Action CA21159



Funded by the  
European Union



**CA21159 - UNDERSTANDING INTERACTION  
LIGHT - BIOLOGICAL SURFACES:  
POSSIBILITY FOR NEW ELECTRONIC  
MATERIALS AND DEVICES**

# About

PhoBioS is an innovative project that aims to contribute to the expanding research on micro- and nano-structured biological surfaces and their practical applications in various industries. With the recent surge in interdisciplinary approaches, this project recognizes the need to widen the horizons of scientific exploration in this field.

The primary objective of the COST Action "Understanding interaction light – biological surfaces: possibility for new electronic materials and devices" is to facilitate collaboration among scientists from diverse disciplines in the dynamic research field of photonic effects. That results from nano- and micro-structuring of biological surfaces, as well as their applications in bionics. Our team will ensure cross-inspiration among the participants coming from different research fields and will boost innovation in research and eventual industrial developments.

# Goals

01

## **Raising awareness**

underscore the potential benefits and application of PhoBioS in addressing current societal and industrial needs

02

## **Engaging researchers and practitioners**

focus on the scientific advancements research outcomes and practical application of photonics

03

## **Public engagement**

highlight the significance of photonic structures found in nature

04

## **Informing key stakeholders-**

emphasize the potential economic, social and environmental impacts of utilizing photonics in basic and applied sciences

05

## **Collaboration**

bring together into research scientists from different disciplines