

# SOLUS

SMART OPTICAL  
AND ULTRASOUND  
DIAGNOSTICS  
OF BREAST CANCER

SOLUS will develop a **multimodal** tomographic system, combining diffuse **optical tomography** and **ultrasound** to support the diagnosis of **breast cancer**

## SPECIFIC OBJECTIVES:

- Develop an innovative high performance **smart optode** for in-depth diffuse optical tomography
- Develop a **multimodal probe** combining the smart optode and ultrasound
- Assess the **sensitivity**, spatial **resolution** and **quantitation** in laboratory settings
- Validate the multimodal system and **demonstrate the advantages** in real clinical settings



FOR MORE INFORMATION VISIT  
[WWW.SOLUS-PROJECT.EU](http://WWW.SOLUS-PROJECT.EU)



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[www.photonics21.org](http://www.photonics21.org)