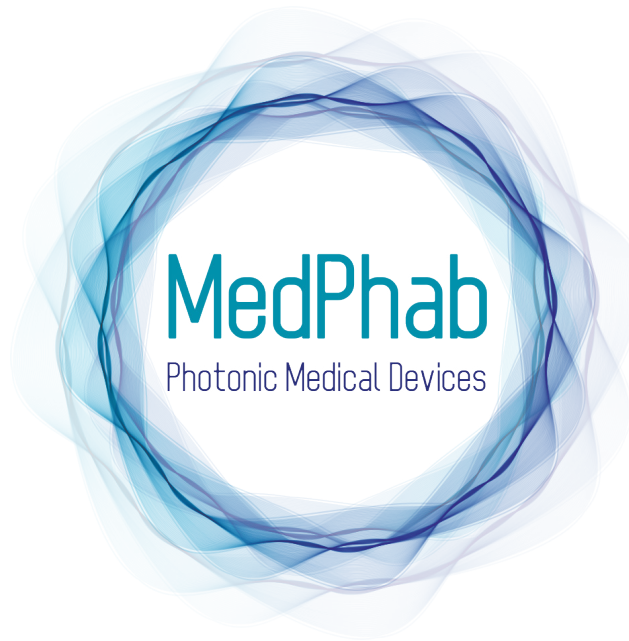


## Project Description

The European Commission has funded the establishment of the MedPhab Pilot Line under Horizon 2020, the Framework Programme for Research and Innovation. The project consists of 18 partners. Orders for this pilot production line are coordinated in a centralised manner and channelled to the manufacturer with the best implementation capability. The purpose of MedPhab pilot production line is to accelerate the commercialisation of diagnostic devices and instruments for treatment based on photonics, and to reduce the R&D costs.



## Project Partners



## MedPhab Pilot Line

[info@medphab.eu](mailto:info@medphab.eu)

[www.medphab.eu](http://www.medphab.eu)

[www.linkedin.com/medphab](https://www.linkedin.com/company/medphab)

[www.twitter.com/medphab](https://www.twitter.com/medphab)

Funded by



PHOTONICS PUBLIC PRIVATE PARTNERSHIP

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 871345.

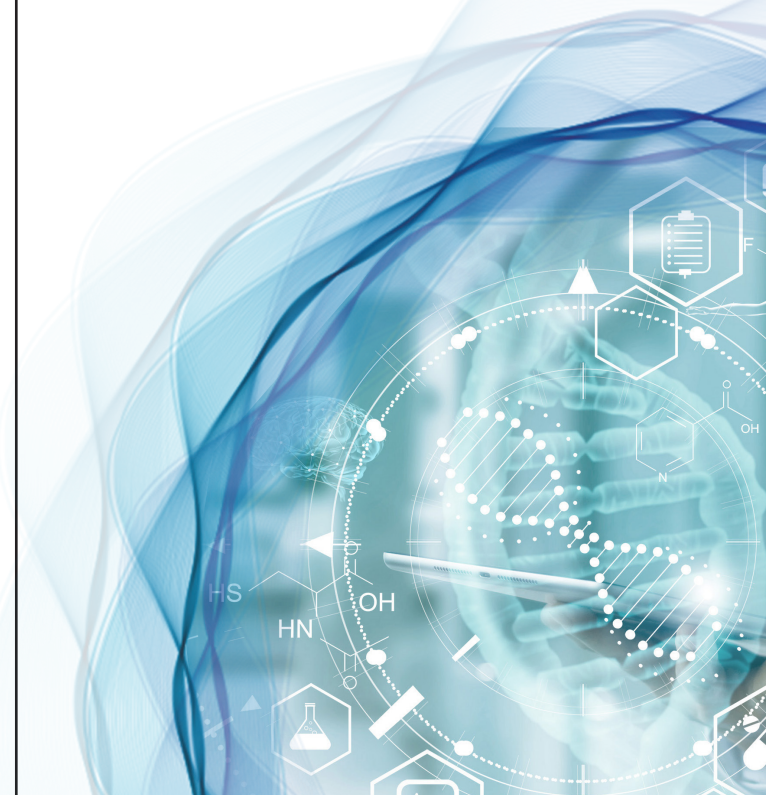
[www.photonics21.org](http://www.photonics21.org)



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# MedPhab

Photonic Medical Devices



Photonics based pilot line  
for medical applications

Funded by



PHOTONICS PUBLIC PRIVATE PARTNERSHIP





## Hospital Use

In a hospital environment, the solutions assist doctors by giving them real-time information of how the treatment is progressing, without the need to send patient samples to a laboratory.



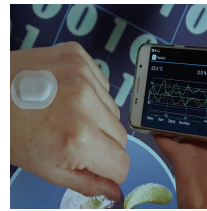
## Home Care Services

The equipment for home diagnostics, can be used for monitoring how a patient is recovering from an operation or a fit of illness and for getting a wider picture of the situation than currently possible.



## Equipment for Molecular Diagnostics

Molecular diagnostics is about establishing a clinical picture or diagnosing an infection based on a serum, saliva or urine sample.

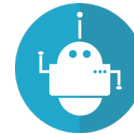


## Dedicated to efficiency

MedPhab is Europe's first Pilot Line dedicated to manufacturing, testing, validation and up-scaling of new photonics technologies for medical diagnostics enabling accelerated product launch with reduced R&D costs.

## Technologies

- Fiber optics
- Microfluidics
- Surface functionalisation
- Instrumentation
- Opto-electronic integration
- Custom medical patches
- Miniaturisation for micromodules and wearables



## Use cases

- IVD platform for nucleic acid diagnostics
- IVD biosensing platform based on silicon photonics
- IVD platform and reader unit for immunoassay
- Biophotonics device for surgical guidance
- Mobile photonic reader for cardiovascular complications



# MedPhab

Photonic Medical Devices

## Enabling new diagnostics and treatment tools

### Use Case Validation Program

The participation of companies with ISO13485 standardised manufacturing ensures the seamless transition from pilot line production to up-scaled production without a need for changing service providers. Use-case companies have been selected for the validation of the pilot line services covering both in-vivo and in-vitro domains.



### Demo Case Open Calls Program

The Demo Case Open Calls Program will enable early adoption of the technologies by external user, demonstrating the pilot line services and validating the open access business model. 18 SME's will be selected as Demo-Cases by open calls covering various medical diagnostic fields showcasing the full extent of MedPhab's technology. External companies are invited to join from June 2021.

