

## **Biosensors and Microfluidics - technological platforms**

Nowadays, new challenges in the biomedical field and health monitoring are approaching. New kind of hardware is needed to answer the demand on monitoring and data acquisition to feed digital twins and AI database. Moreover the monitoring of Organ on a chip is becoming an issue especially when survival of Organoids from patients its crucial to proper test different therapies. In addition, assessing complex models as biological barriers models is quite complex and time consuming. In this view, the rise of biosensors and lab on a chip based on microfluidics and their development is crucial for to respond and win this challenges.