

Tecnología QCMD para la detección de mutaciones en Cáncer

Advanced Wave Sensors, S.L.

awsensors.com

María García / Dirección Comercial



Organiza:



Colabora:



Financia:





 **AWSensors** Scientific Technology 



Scientific Instruments

 **Quartz PRO**



QCM sensors OXCO

  **AWSensorsDx** REVOLUTIONARY DIAGNOSTIC TOOLS

Full solution offering



-  Fast sample to answer
-  Low cost
-  High sensitivity
-  High ease of use

Product development for healthcare
in progress

3-year aim

TRL 4

TRL 8

We have come a long way to prove it works



Scientifically proven sensitivity¹ of 0.01%



Grant approval #1 of ~€2.7M

Grant approval #2 of ~€3.4M



Established clinical partnerships with renowned universities



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

Now we aim to develop a full solution cancer detection platform



AT4LB, Cancer detection platform

Type of samples compatible



Blood sample



Tissue sample

Cancer types (genes)

Breast cancer (PIK3CA)
Lung cancer (EGFR, BRAF, KRAS)
Colorectal (BRAF, KRAS)
Melanoma (BRAF)

Solution offering

Instrument	Arrays
Sensors	Reagents
Software	Output monitor

Key steps covered by AT4LB

DNA extraction	Detection of tumor-DNA
Amplification of DNA	Display test results



Monitoring

Testing for response/
recurrence during and
post treatment



Key focus as first step

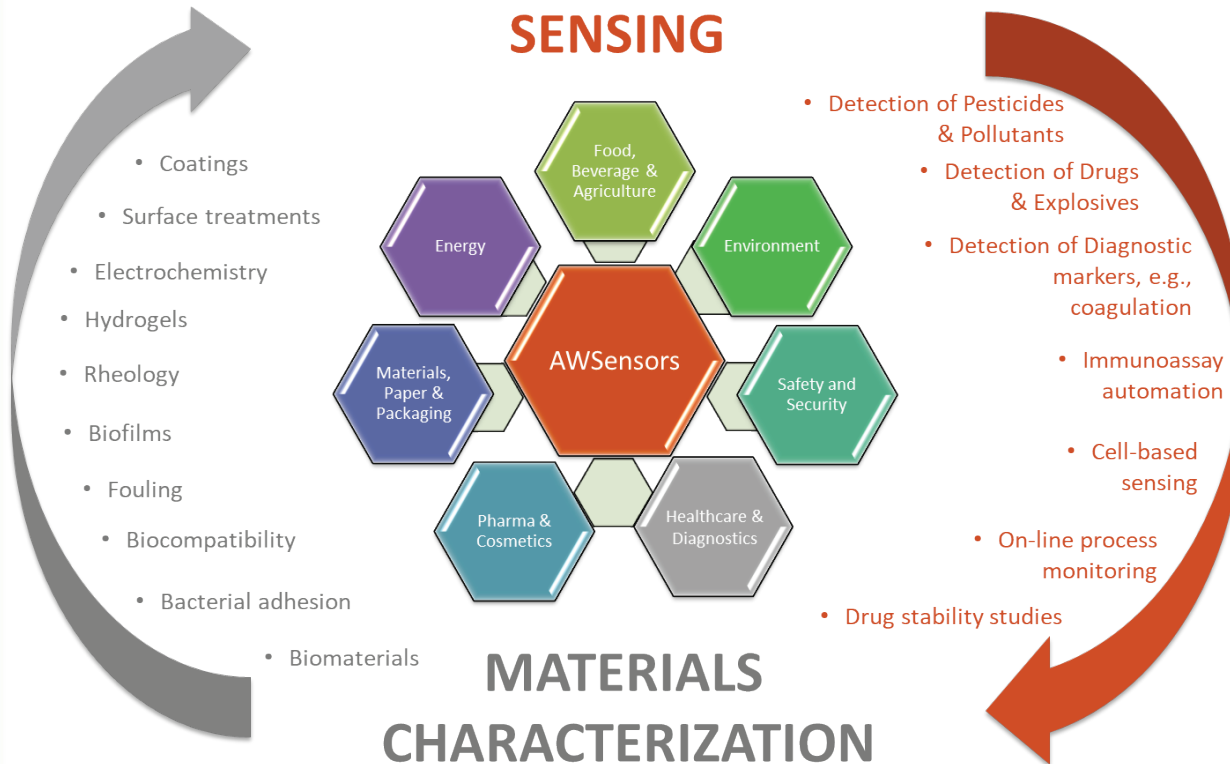
High fit for QCMTEC. Poor
accuracy in current
monitoring thus QCMTEC
opportunity to complement



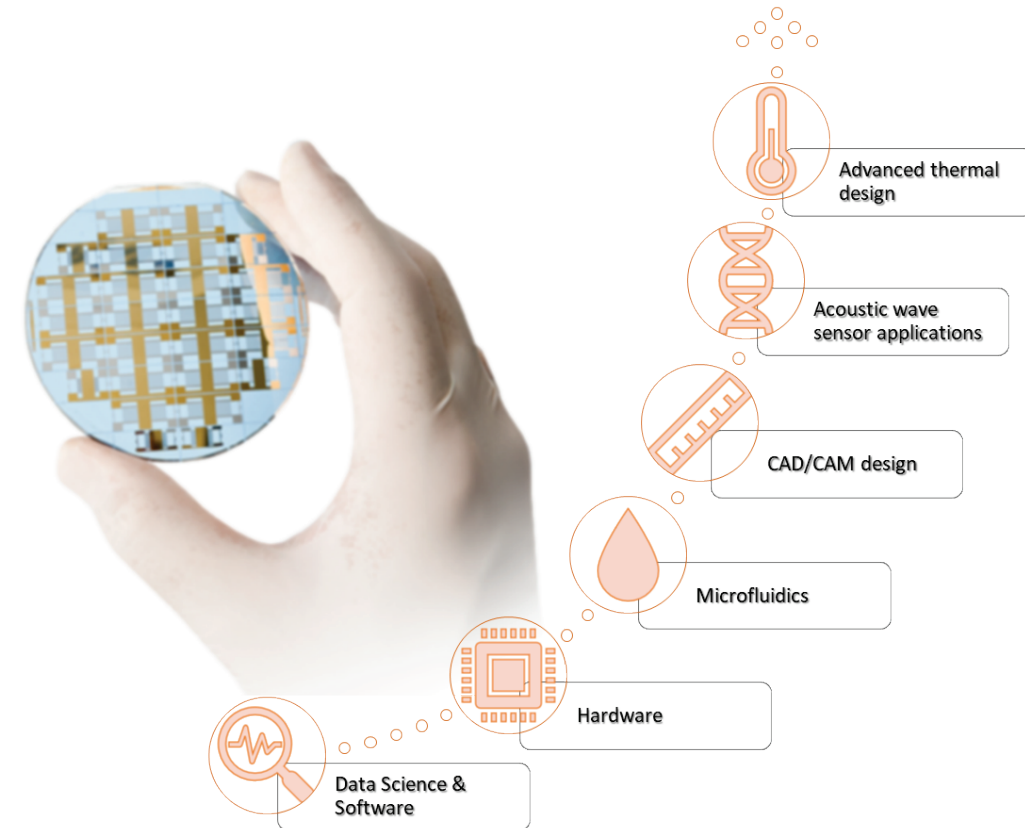
1. Detectable variant allele frequency.

Nikoletta Naoumi, Kleita Michaelidou, George Papadakis, Agapi E. Simaiaki, Román Fernández, Maria Calero, Antonio Arnau, Achilles Tsortos, Sofia Agelaki, and Electra Gizeli. ACS Sensors 2022 7 (2), 495-503. DOI: 10.1021/acssensors.1c02245

Aplicaciones



Capacidades



#BIOVALTRANSFIERE

#BIOVALCOLABORA

¡GRACIAS!

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