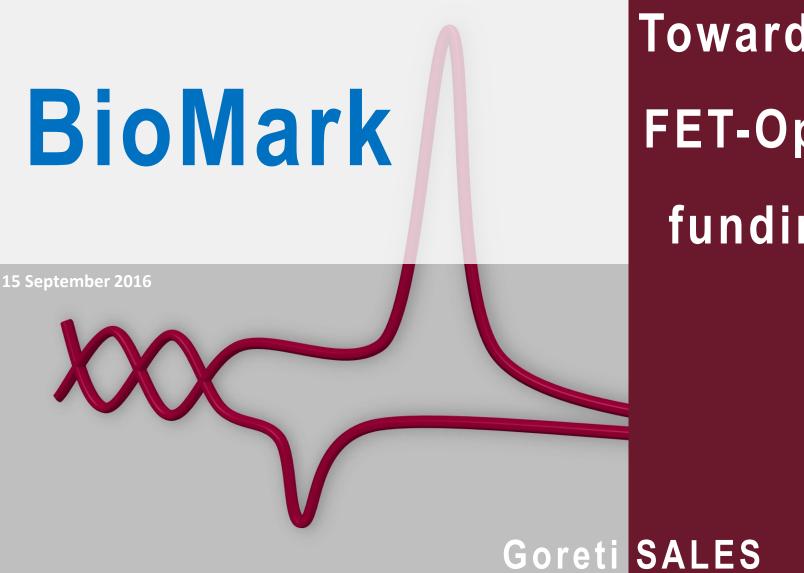


Instituto Superior de Engenharia do Porto



# Towards a **FET-Open** funding











**E FET-Funding...** 



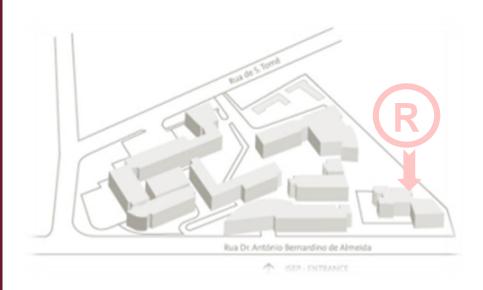




# **ISEP/IPP**

#### School of Engineering of the Polytechnique School Porto

€

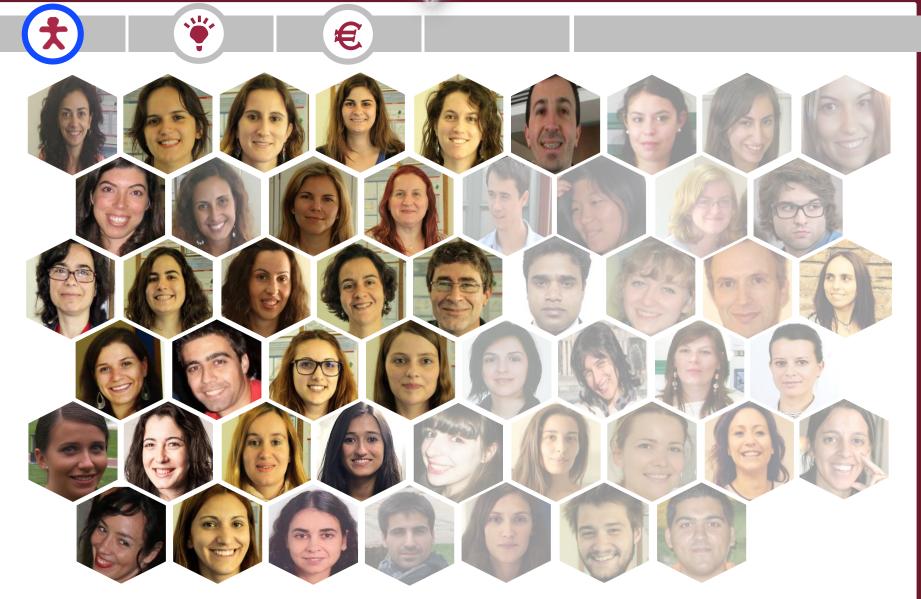


# Jun 2011





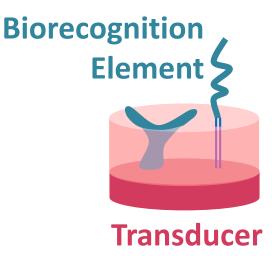








http://upload.wikimedia.org/wikipedia/commons/e/e2/Blaus en\_0299\_Diabetes\_BloodGlucoseMeter.png



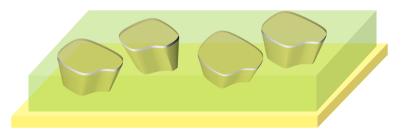


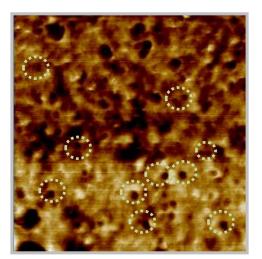
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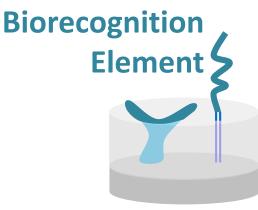
## Sensing Materials / (Bio)sensors / Autonomy

E





# Plastic Antibodies





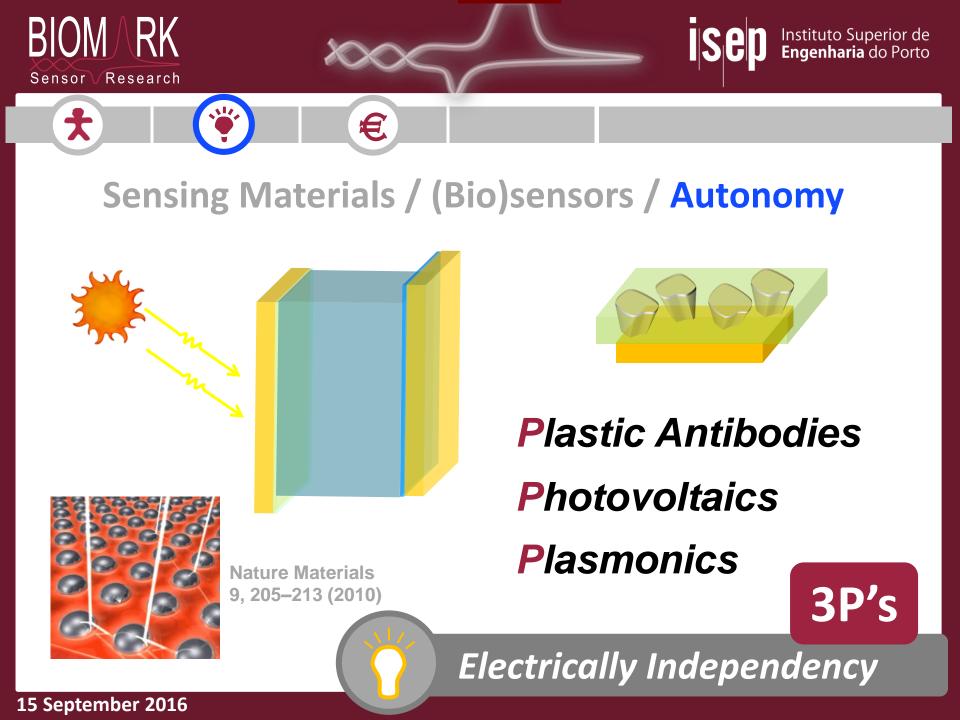


# New biomedical device

With electrical readings

But full autonomy







**STARTING GRANT** *European Research Council* 

2012

**Cancer Biomarkers** 

**Point-of-care** 

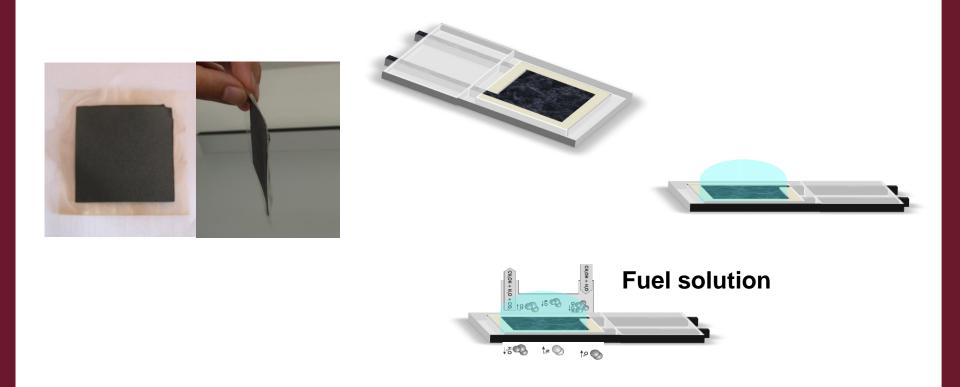
**Plastic Antibodies** 

**Photovoltaics** 

**Plasmonics** 









**FET-Open** *H2020 - Lúcia Brandão* 

2015

Fuel cells

**Cancer Biomarkers** 

Point-of-care





- Future and Emerging Technologies
- Go **beyond** what is known!
- Visionary thinking can open up promising avenues
- towards powerful new technologies.
- **OPEN**... to any idea for a new technology



FET Open supports **early-stage research Any idea** for a new technology and no pre-defined themes **Expanding** the traditional technological disciplines

To turn the best knowledge into the technology of the future.



**FET-Open** *European Commission Research and innovation actions* 

# Olympics...

#### **NOT MANY CAN WIN!**

What is the probability?

#### But some are funded!

More and more proposals from call to call...

No one wants to waste time (candidate and evaluators)

**Do your best** in writing the proposal!



### The evaluation

Excellence

Impact

Implementation



High degree of novelty

Ambitious scientific/technological breakthrough

Groundbreaking

Long-term vision

Paradigm shift

Foundational character

**Excellence** content, form, or presentation High-risk

**Commitment** Deep synergistic interdisciplinary approach



#### High degree of novelty

New ideas and concepts, rather than the application or incremental refinement of existing ones

Long-term vision

High-risk

Groundbreaking

ynergistic interdisciplinary approach



#### High degree of novelty

Ambitious scientific/technological breakthrough

Scientifically ambitious and technologically concrete breakthroughs plausibly attainable within the life-time of the project

Groundbreaking Excellence

ep synergistic interdisciplinary approach



High degree of novelty

nological breakthrough A new, original or radical long-term vision of technology-enabled possibilities going far beyond the state of the art

Long-term vision

oundational character

High-risk

ry approach

Paradigm shift Deep syn



Research and innovation actions

## The gatekeepers...

The breakthroughs must be foundational in the sense that they can establish a basis for a new line of technology not currently anticipated High degree of novelty

hnological breakthrough

Long-term vision

Foundational character

High-risk

ry approach

Deep syn

Paradigm shift



High degree of novelty

Ambitious scientific/technological

Commitment Disruptive...

The potential of a new technological direction depends on a whole range of factors that cannot be apprehended from a single disciplinary viewpoint

oundational character

High-risk

Deep synergistic interdisciplinary approach



European Commission Research and innovation actions

### The gatekeepers...

Commitment Excellence

Ambitious scientific/technological breakthrough The proposed collaborations must go beyond current mainstream collaboration configurations in joint S&T research, and must aim to advance different scientific and technological disciplines together and in synergy towards a breakthrough.

Deep synergistic interdisciplinary approach

High deg



## Recommendations

#### **Be ambitious**

Follow your crazy idea High risk (scientific risk) endeavored Long ranging idea Still, be concrete! Write for simple people

Be objective Style of writing Say only what you wish

Consortium3 countriesLook for the bestOnly if you need

#### Commitment

Self! Changes! New directions



# Thank you!

#### **Best wishes**



