SATT PARIS-SACLAY
Innovating with confidence

Tech Transfer **Opportunity**

You are a company believing in open innovation?

Looking for a new product with high added value?

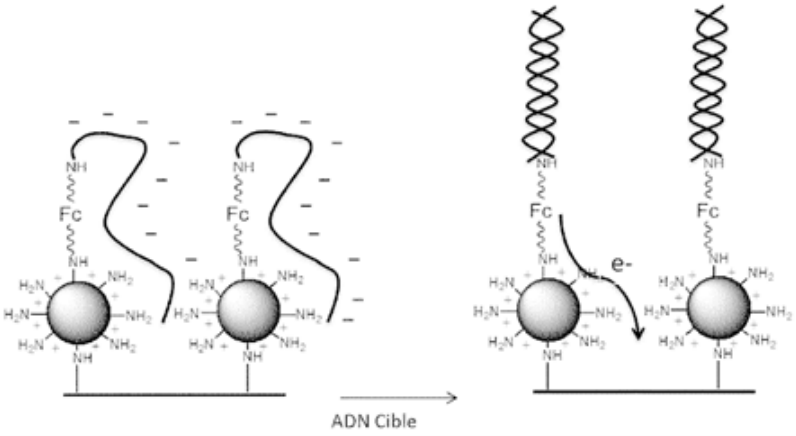
SATT Paris-Saclay invested **€450k** in the development of an electrochemical biosensor technology for detection of pathogens (virus, bacterias, yeasts). **This innovation relies on nucleic acids direct detection without PCR.** We are looking for a strategic partnership to industrialize and commercialize it!

PATTOX

Signal-on electrochemical biosensor based on oligonucleotid probes for pathogen DNA detection and quantification

This innovation is based on a new electrochemical biosensor, coupling a **redox probe** with an **oligonucleotid probe** for the detection of nucleic acids. This simplified and efficient biosensor quantifies specificly a pathogen **DNA** or **RNA**.

#Diagnostic #Analysis Device #Quantitative Analysis #Biosensor #Electrochemical Detection



Examples of pathogens and toxins:

- Food industry ⟶ Ochratoxine A (wine)
- Food industry ⟶ Aflatoxine M1 (milk)
- Food industry ⟶ Brettanomycès (wine)
- Health ⟶ Mycobacterium Tuberculosis
- Health ⟶ Hepatitis C

Technology benefits:

- Nucleid acid detection specificity
- Femtomolar limit of detection
- Electrochemical signal detection with standard methods

Discover the project

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The first development based on this technology is a portable instrumentation for the detection of the Brettanomycès yeast which contaminates red wine and gives it unpleasant so-called phenolic aromas («stable» odors).

Working with SATT Paris Saclay

SATT Paris-Saclay business model is based on a virtuous model of early investment in research programs, licensed with a royalty based on a revenue sharing principle. **1 patent** will be licensed under exclusivity to our partner.

Intellectual Property

Pattent application (nov. 11th, 2015) : «System for electrochemical detection of molecules of interest» WO2017/081315.

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