

# MÉCANISMES PHYSIOPATHOLOGIQUES ET CONSÉQUENCES DES CALCIFICATIONS CARDIOVASCULAIRES

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Masters	formation	1	option	Health	:
	Interactions and therape I systems, functional expl		ogy		
PhD	formation	option	Biology	and	Health

## Our research skills

Cell culture
Western Blot
Immunofluorescence
Immunohistochemistry
Flow cytometry
Molecular Biology
Animal experimentation

We are also studying several cohorts of patients in the context of collaborative projects with clinicians of the Amiens' hospital.

## Our facilities

Our laboratory is equipped of several rooms dedicated to :

cell culture (Type L1 and L2 laboratories), surgery and experimentation on animal models (rodent)

biochemistry molecular biology photo lab, microscopy, chemistry storage

## Our equipments

### Thermocyclers:

- the CFX connect real-time detection system (Biorad)
- StepOne Real-time PCR system (Applied Biosystems)

#### Automated analysers

• A bench-top, fully automated, random access clinical chemistry analyser (RX daytona+, RANDOX)



• A multi-discipline automated system specialized in immunoassays (IDS-iSYS, Immunodiagnostics systems)

Laminar flow hoods for cell culture

Incubator (thermostated humid CO2 incubator) for cell culture



# **Platsforms**

We have also an access to the university's platforms :

- Plateforme d'ingenierie cellulaire et analyses des proteines (ICAP) Plateforme animalerie (PLATANN) Centre de ressources régionales en biologie moléculaire (CRRBM)
- Plateforme analytique