MÉCANISMES PHYSIOPATHOLOGIQUES ET CONSÉQUENCES DES CALCIFICATIONS CARDIOVASCUI AIRES

Accueil > Laboratory

Our research thematic

Cardiovascular calcifications They are associated with an i a calcium deposition localize calcified i However, the molecular med calcifications ar For more than 4 years, our r cardiovascular calcifications Since chronic kidney disease of our experimental an	increased risk of cardiovasculed essentially in the media ntimal atlachanisms involved in these re not years earch unit has worked to a and to identify stratege (CKD) increases the incide	of the vascular wall, and of the vascular wall, and of the vascular wall, and of eroma processes and the consect clearly elucidate the mechanisms ies to prevent or treat once of cardiovascular calci	ar calcifications result from are often associated with laques. quences of cardiovascular elucidated. and the consequences of vascular calcifications. fications, an important part
Masters f	ormation	option	Health :

Molecular Interactions and therapeutic Integrated systems, functional explorations, physiology

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