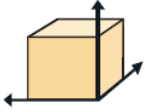
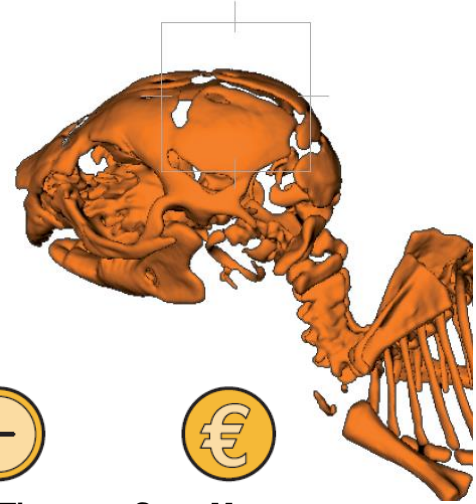


The relevancy of
**3D Medical Imaging
Services**
for your *In-Vivo* research
and **preclinical studies.**



Increase Measurement
Accuracy



Save Animals



Translational
Research



Save Time



Save Money

Our Aims

- **Reducing Time to Market for your new Medical Devices (in orthopaedics, rachis, dental and tissue domains)**
 - **Enhancing your reglementary reports**

By providing you with new exploratory opportunities through imaging follow-up of your animal model

Give your Preclinical Studies access to:

- A high technological platform
- A pluridisciplinary expertise to quantify and analyse your data

2 ways to tackle your efficiency issue

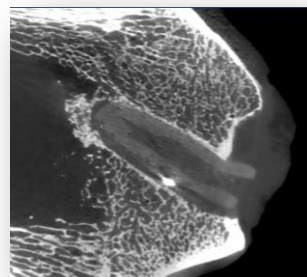
- **3D X-ray COMPUTED TOMOGRAPHY** (ANATOMICAL way)
- **OPTICAL MOLECULAR IMAGING** (FUNCTIONAL way)



3D X-ray COMPUTED TOMOGRAPHY Services

Anatomical Imaging for Performance Studies (Orthopaedic, rachis, dental and biopolymer MDs)

- Follow-up and measurement of MD resorption and bone integration of bio-resorbable medical devices.
- Efficiency evaluation (bone-production, bone-induction).
- Quality evaluation of bone production (Degree of mineralization, BMD, etc.)
- Animal species (rabbit, ovine, porcine, dog) and various implantation models (Shoulder, Knee, Rachis, Femur, etc.)
- In-vivo follow-up of the animal models allowing a drastic reduction of their number (up to 80%).



OPTICAL MOLECULAR IMAGING Services

Functional characterization for Efficacy Studies (Textile and biopolymer MDs)

- Host response quantification by detection and measurement of inflammatory processes:
 - Cathepsins, Metalloproteases and Reactive Oxygen Species (ROS) expression.
- Néangiogenesis evaluation
- Anti-infectious efficacy for functionalized MDs using bioluminescent bacteria (Luciferase +).

