

Connecting healthcare industries to *in vivo* imaging platforms for biomedical research

The French industrial healthcare sector takes advantage of the excellence of the research conducted in public research organizations, hospitals, and industrial companies. It is a strategic sector for France, worldwide recognized, with numerous economic and social impacts. However, the reinforcement of its competitiveness in a context of ageing population and disease emerging in one hand, international competitiveness in the other hand, remains a major challenge. To overcome this challenge, it is necessary to link closely the innovations resulting from academic research, the clinical validation, and the production and marketing of the healthcare products by industry.

PASREL-Imagerie focuses on medical imaging

Indeed, advanced imaging techniques provide invaluable information to accelerate and de-risk the development of therapeutic innovations and medical devices.



PASREL-Imagerie aims at organizing and facilitating the access of industrial partners to the medical imaging platform of CEA in Paris-Saclay. This platform offers unique preclinical and clinical imaging equipment as well as expertise for image acquisition and data processing in MRI, PET, ultrasounds, optical and hybrid imaging.

The CEA imaging platform includes four sites (IDMIT, MIRCen, NeuroSpin and SHFJ) at the forefront of translational research, using dedicated animal models of infectious diseases, neurodegenerative and neuro-ophthalmic diseases, cancer and brain disease. The main originality of PASREL-Imagerie project relies on the platform governance incorporating industrial partners to propose a clear and homogenous range of imaging services specified with the industrial partners and comprehensive packages of high-level training.