

PRECLINICAL & TRANSLATIONAL RESEARCH IN NEURO-ONCOLOGY



PETRA
Network



The **PETRA Network** is a **structured consortium** of researchers and clinicians in the **South Region of France**, interacting for patient's benefit by speeding up the **bench to bedside** transfer of results, and making easier the **bedside to bench** researches, through **3 platforms** :

PETRADVICE



Advice, Guidance & Training with experts

- Help to choose relevant models
- Training on specific technics
- Clinical consulting
- Experimental design
- Grant proposal application
- Valorization

PETRATECH



Preclinical Models & Advanced Technologies

- In vitro (2D & 3D): cell lines, explants, spheroids, tumoroids, cerebral organoids (iPSCs), organotypic cultures
- In vivo: syngeneic and tumoral resection models, xenografts

PETRANSLA



Annotated Biological Resources & Support for Early phase Clinical Trials

- Biological resource center with tissue & blood samples, derived products, associated clinico-biological data
- CLIP2 trial center for adult & pediatric patients

The **PETRA Network** offers customized solutions to meet the needs of the entire scientific community in Neuro-Oncology regarding:

ADULT AND PEDIATRIC PRIMITIVE BRAIN TUMORS
NEUROTOXICITY OF ONCOLOGICAL TREATMENTS
BRAIN METASTASES

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