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## Cancer Analysis GPAP

(Lead: FUNDACIO CENTRE DE REGULACIO GENOMICA)



### Project abstract

The project will develop the Cancer Analysis GPAP, a professional solution for long-term maintainability, automated analysis and secure handling of next generation sequencing data in adult and paediatric cancers, common and rare. It will provide a standardized workflow for all sample types and NGS clinical tests, for the identification of germline and somatic variants, and extensive annotation through the most useful set of tools and external resources for cancer. It will create a QC report including metrics generated at different steps of the pipelines. The core of the application will be based on the current RD-Connect GPAP Platform that uses scalable Big Data technologies and a graphical and intuitive user interface. The Cancer Analysis GPAP is designed to be secure and privacy preserving through controlled access, aligned with the relevant ISO Standards and the protection regulation (GDPR) required for IVDR.