EATRIS position on an European Open Science Cloud serving the needs of translational research & personalised medicine

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Personalized medicine: biomarkers

the unsexy problem

samples
images
data
process & QA

 Improved Outcome

Clinical Phenotype

Patient

Disease biology

the omics revolution
The process: a joint effort is needed
Specific needs from a translational research/personalized medicine perspective

- **No silos**: joint expertise of biomedical and other infrastructures will be needed
- **Data reproducibility** is a key concern that has to be addressed using information technology and biomedical domain expertise
- A clear data **governance** should be an integral part of the EOSC in order to safeguard the **patient’s privacy** while sharing data between researchers
  - Open access vs General Data Protection Regulation
- The licensing **structure** of the data should leave room for future **IP protection** on discoveries and products developed using the data
- Boundaries between research and **clinical care** are blurring putting up additional demands for data quality, integrity, and availability