

Open Science Discovery for PhD students

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François Richard, postdoctoral researcher at the Laboratory for Translational Breast Cancer Research, showcases the use of REDCap for collecting clinical data and LabCollector for samples metadata. The lab's research involves clinical data of patients, tissue samples for which metadata are collected, and data collated from these samples for genomic and transcriptomic analysis. Clinical data may be collected in spreadsheets, that are easy to use, but problematic for versioning, quality checks and traceability. REDCap, whilst time-consuming to implement, is a better tool for data consistency and traceability and is used for electronic case report forms (eCRF). It generates automatic codebooks, handles missing data well, gives real-time feedback on data and good audit trails. For collecting samples metadata, LabCollector is used. This is a lab information management system based on UZ/KU Leuven Biobank requirements that also generates labels and barcodes for samples.

[Watch François Richard's presentation](#)