



Towards Big Data in Medical Imaging

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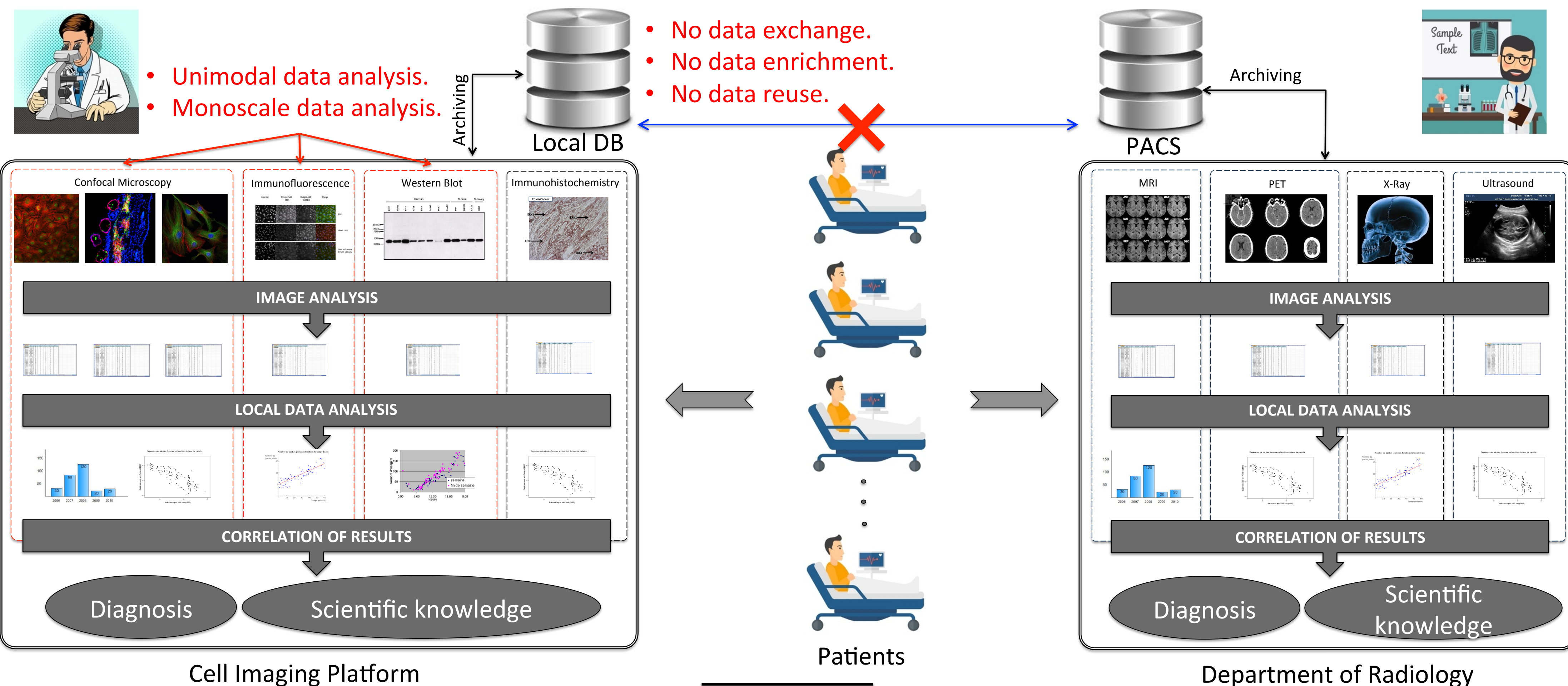
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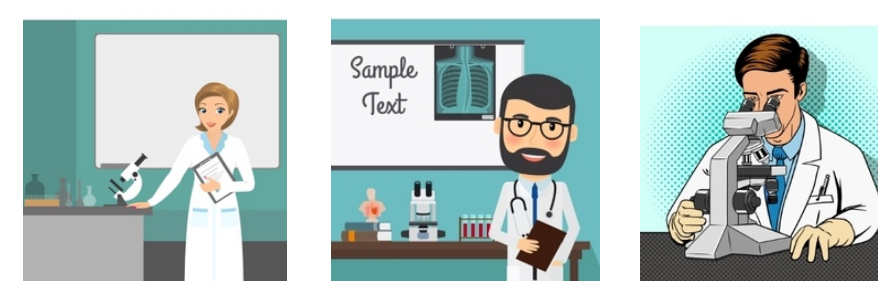
⁽³⁾LIPN, Université Paris 13, Sorbonne Paris Cité

Background



Objectives

Diagnosis improvement



Health professionals and scientists

Open Data

Radiology Lexicon

RCSB PDB PROTEIN DATA BANK

Radiology Tag Ontology

HomoloGene

OMIM

MGI

PubMed

UniProt

PubChem

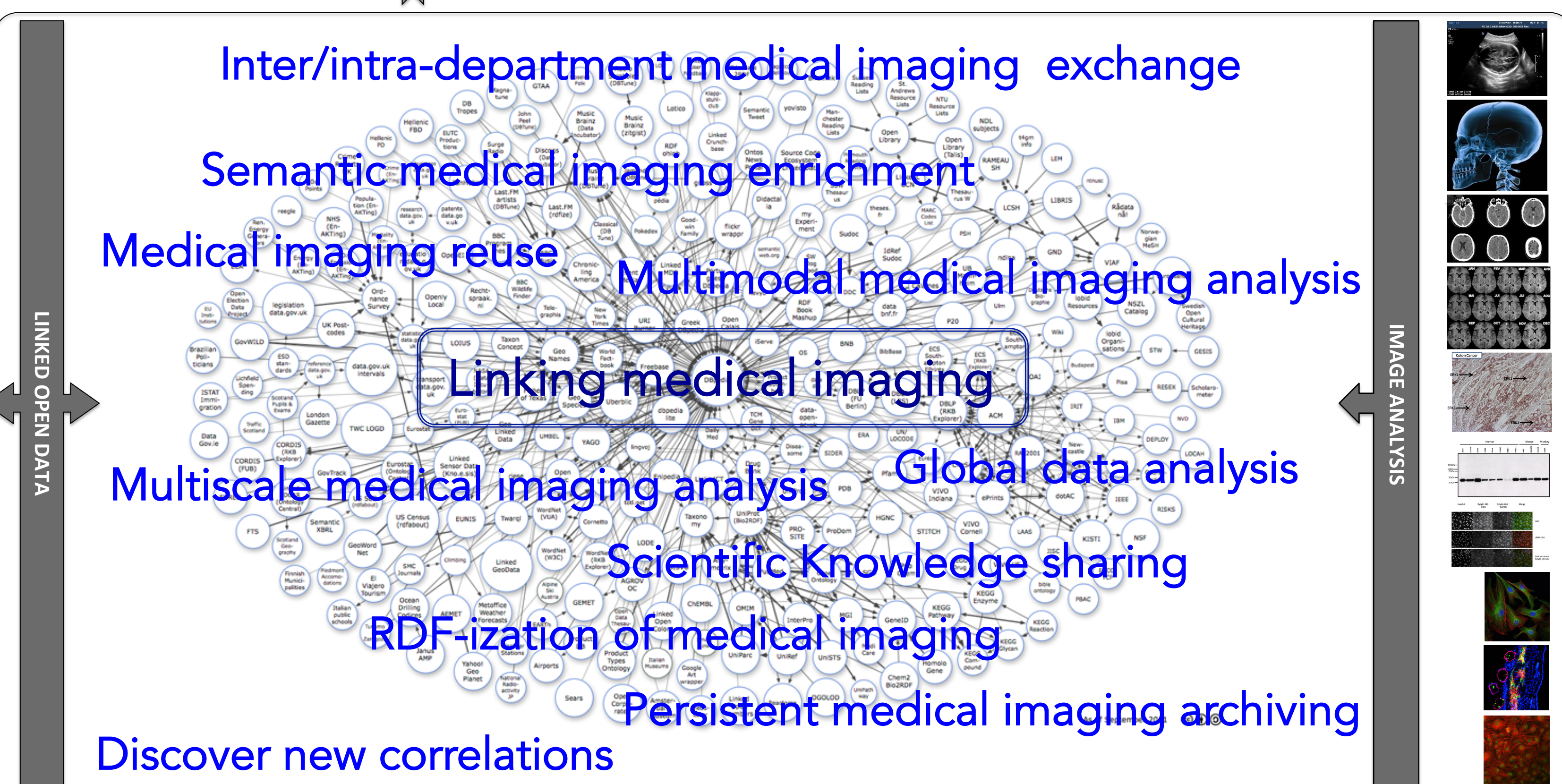
ChEBI

GENE ONTOLOGY

Unifying Biology

Pfam

BIOCARTA



Semantic Web



NoSQL

IDV Virtual Datacenter

MAGI 2

CUMULUS

S-CAPAD

SPC Cloud and HPC infrastructures : CIRRUS