Memorial Sloan Kettering Cancer Center

Data Catalogs, Metadata, and Data Discovery:

How data catalogs extend and enhance the IR ecosystem.

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Data Discovery Collaboration (DDC)

Community of Practice

- Multi-institutional consortium,
- Institutional and individual members,
- Platform-agnostic,
- Support FAIR data principles in the broader context of library and institutional systems,
- Focus on the data catalogs and other metadata expertise,
- Support research data discoverability through:
  - metadata,
  - outreach,
  - software development.

We welcome members without data catalogs!

What is a Data Catalog?

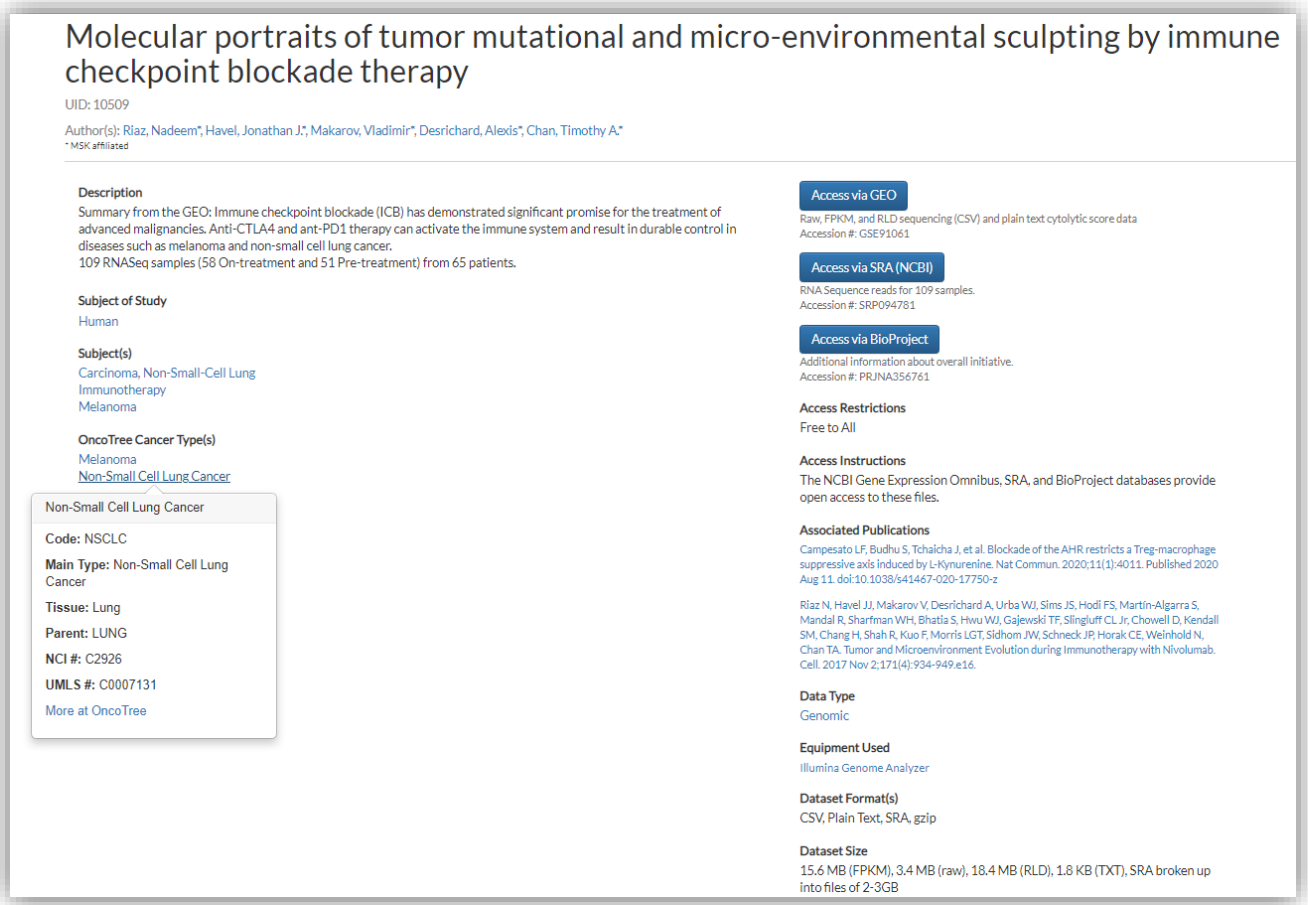
MSK Data Catalog - https://datacatalog.mskcc.org/

Includes datasets, code, analytical tools, or other research outputs not traditionally included in bibliographic catalogs.

Features:

- Metadata only - not repository,
- Curated, enhanced metadata,
- Wayfinder describing access and restrictions,
- Connect researchers,
- Standardized/normalized schema,
- Institution-specific - not aggregator,
- Identify relevant analytical tools,
- Track reuse, publications, and funding,
- Highlight otherwise undiscoverable datasets,
- Accommodate concerns over PHI exposure.

Flexibility to integrate with local infrastructure!

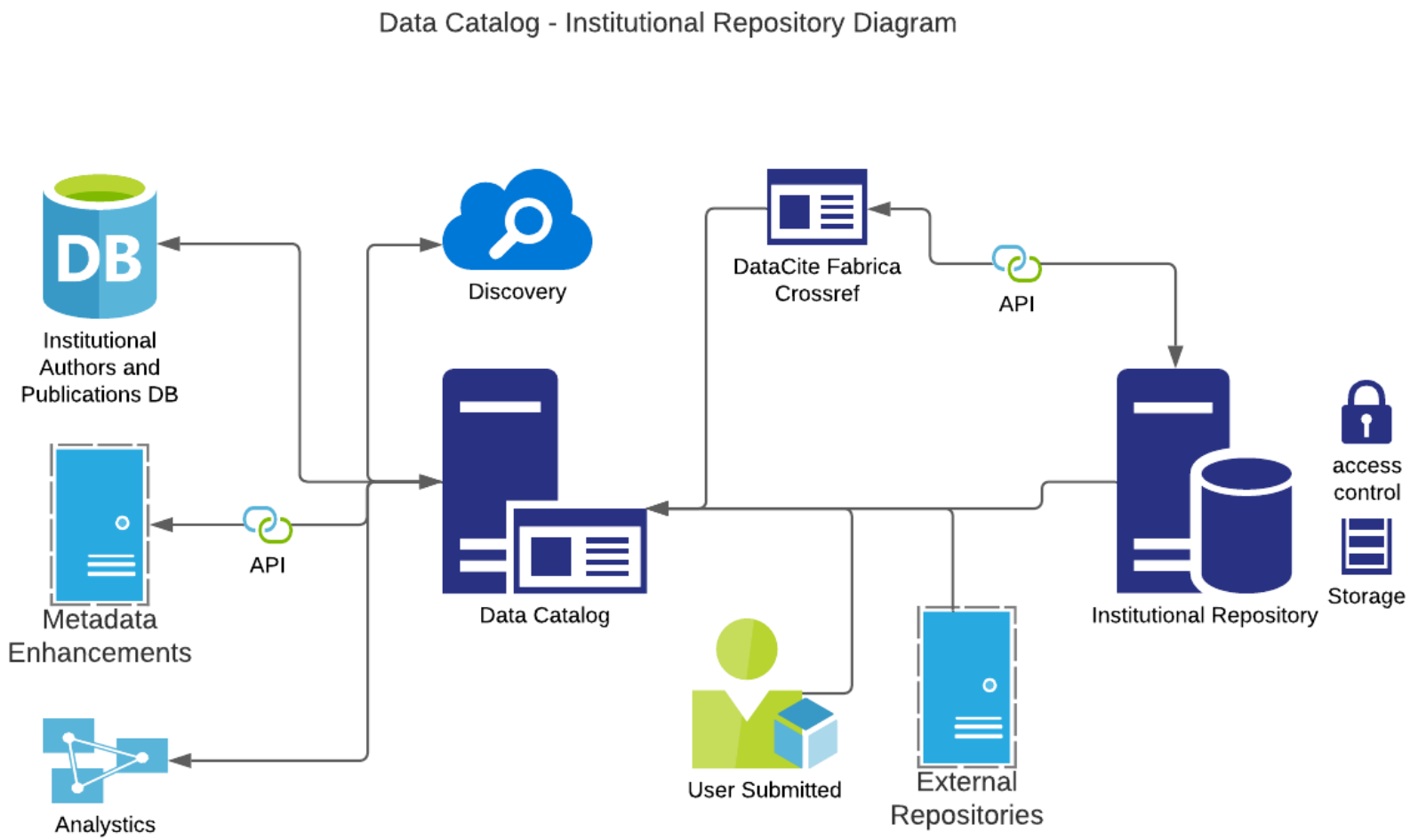


Data Catalogs and Institutional Repositories

Reinforce FAIR data principles

Metadata ecosystem includes:

- Data catalog,
- Institutional Repository,
- External repos,
- Institutional author/pub db,
- PID minting applications,
- Discovery platform,
- External taxonomy/ authority dbs
- Other library resources.



Thank you!

Resources and contact info

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DDC Website: https://datadiscoverycollaboration.org/

MSK Data Catalog: https://datacatalog.mskcc.org/

Catalog code: https://github.com/msk-library/data-catalog

Recent DDC publication on curation through data catalogs:

Sheridan H, Dellureficio AJ, Ratajeski MA, Mannheimer S, Wheeler TR. Data Curation through Catalogs: A Repository-Independent Model for Data Discovery. *Journal of eScience Librarianship* 2021;10(3): e1203. https://doi.org/10.7191/jeslib.2021.1203.