

dkNET Data Management and Sharing Plan (DMSP) Resources

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An NIDDK Resource dknet.org



What is dkNET?

- dkNET provides a single point of access to information about diverse research resources, including data, information, materials, tools, funding opportunities, literature, services, events, news, and projects that advance the mission of the NIDDK.
- dkNET provides tools and services in support of rigor and reproducibility, built around the Research Resource Identifier (RRID) and the FAIR data principles (Findable, Accessible, Interoperable, Re-usable).

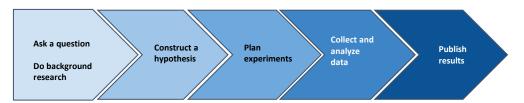
https://dknet.org





5 AREAS IN THE PORTAL

- Resource Reports: helps researchers find and evaluate resources
- Authentication Reports: assists researchers in preparing NIH authentication plans
- **FAIR Data Services:** assists researchers in finding data repositories and standards for preparing data management plans
- O Discovery Portal: connects researchers to more than 200 biomedical databases
- Hypothesis Center: powerful tools for data mining and hypothesis generation of FAIR 'omics data





Access to the DMSP Resources: Https://dknet.org



dkNET: Connecting Researchers to Resources

Find Resources to Power Your Research

Resource Reports: Tools I Cell lines I Antibodies I Organisms I Plasmids I Biosamples I Protocols

Get Help with NIH Data Management & Sharing Plan

Are you ready for the new January 2023 NIH mandate?

Research Data Management I Suggested Data Repositories I Request Assistance I Rigor & Reproducibility (Overview of Authentication & FAIR Data)

Search Across 100s of Biomedical Databases

Discovery Portal: Funding I Images I Phenotypes I Literature I and more

Hypothesis Center

Analyze and explore diverse data to generate or test research hypotheses – powered by

Hypothesis Center: Signaling Pathways Project I Mouse Metabolic Phenotyping Centers I Human Islet Research Network I Appyters I Type 1 Diabetes Knowledge Portal I GeneNetwork I MARRVEL I and more

Single Molecule Spatial
Transcriptomics: Interpreting
the Spatial Expression Of
RNAs From FISH Images

Friday, April 21, 2023, 11 am- 12 pm (PDT)
Jing Liu, PhD. Assistant Professor, Department of Physics,
Indiana University-Purdue University Indianapolis



Are You Ready for the

New NIH Data Management &Sharing Plan

(effective Jan. 25, 2023)?

Have questions or need help?
Join dkNET Office Hour
Friday, March 3, 2023
11 am – 12 pm PT

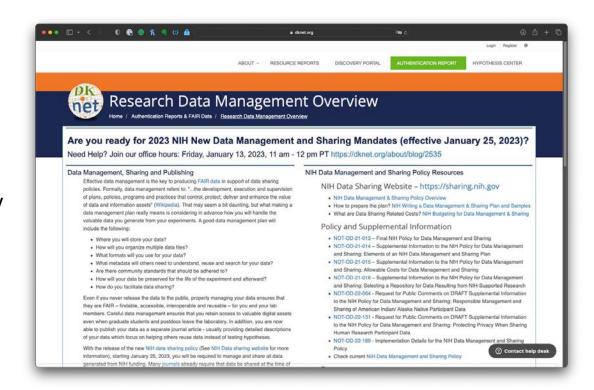




Research Data Management Overview

Provide information about:

- What is research data management?
- Provide links to resource, such as California Digital Library data management planning tool
- Provide specificity for DK applications



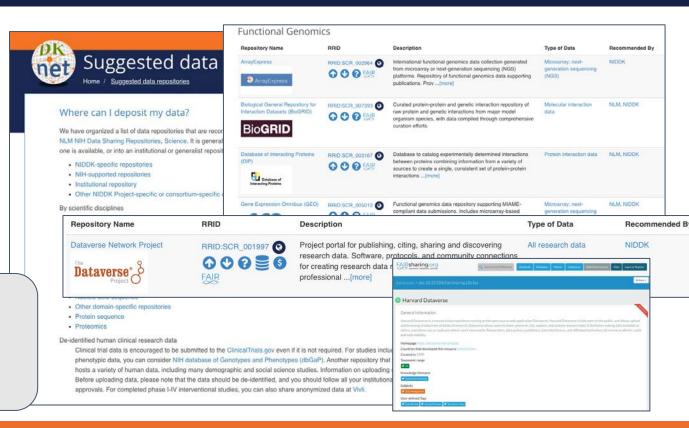


Where Can I Deposit My Data?

- List of DK relevant repositories, recommended by NLM and various journals
- Created in conjunction with NIDDK



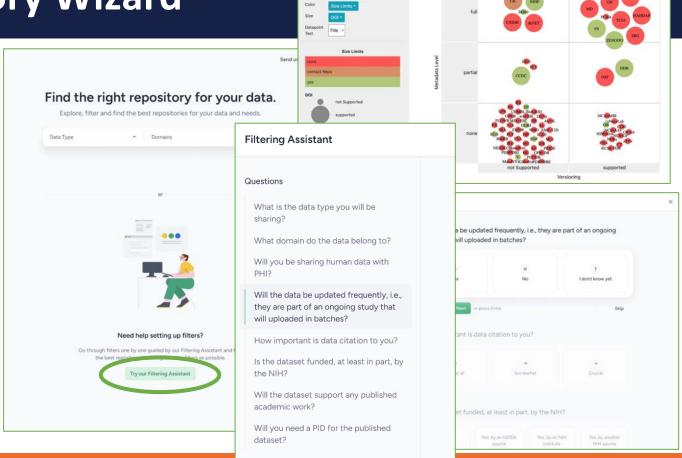
- FAIR Standards
- Clinical Repositories
 Information
- Data maintenance
- Data size limit and cost
- Dynamic database





Repository Wizard

- Rated 80
 repositories against
 FAIR, Open,
 Trustworthy,
 Citable principles
 and other criteria
- Wizard guides a user through criteria that may be important for selection
- Scheduled for release summer of 2023





Outreach to Next Generation Researchers



dkNET Summer of Data Student Program

Program Duration: 6 weeks

After this program, students will be able to:

- Utilize dkNET tools and resources in research projects
- Gain familiarity with additional tools to help their research,
 e.g., protocols.io, ORCID, Slack
- Understand best practices for robust and reproducible research
- Understand the basics of good data management for FAIR
 data
 https://dknet.org/about/Summer-Program



Highlight Repositories at Webinar Series





Office Hours



Are You Ready for 2023? **New NIH Data Management and Sharing Mandates**

Dr. Jeffrey Grethe



dkNET Services

- Support Rigor & Reproducibility
- Discover useful research resources
- · Explore the Hypothesis Center
- · Make your data FAIR and more





Sign up newsletter https://dknet.org/about/

An NIDDK Resource

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dkNET Office Hours

Are You Ready for 2023?

New NIH Data Management and Sharing Mandates

Dr. Jeffrev Grethe, dkNET Co-PI

Dr. Rebecca Rodriquez, Repository Program Director, NIDDK

Ms. Reaya Reuss, Chief of Staff to the Deputy Director, NIDDK

The support team members, NIDDK Central Repository



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An NIDDK Resource

dknet.org



Data Repository Inquiry Form

Looking for data repository for your data management or data sharing plan? dkNET can help. Simply fill in some basic information below to get started!



Frequently Asked Questions from Office Hours



Frequently Asked Questions

Q1: Where can I find resources about data management and sharing plans?

A: You can go to dkNET's data management and sharing webpage. We list resources including policies, webinar recordings, slides, and samples. NIDDK also has a resource related to data management of sharing.

Q2: Where can I see the slides and recording of the presentation in dkNET's data management and sharing office hours?

A: You can find slide and recording information here: https://dknet.org/about/blog/2535. Slides are shared via Slideshare and videos are shared via Youtube.

Q3: If we publish data such as in a paper or pre-print (e.g. bioRxiv), does this count as having shared the data? Does the data need to be in a repository?

A: A table or figure included in a manuscript does not count as sharing the data. You still need to share the underlying data (e.g. spreadsheet) and the appropriate metadata and data dictionary. If there is original data that leads to a table or figure (e.g. data extracted from images), this data would also need to be shared in an appropriate repository.

Q4: If we collect clinical data in our institution-level repositories, does this count as having shared the data?

A: This depends on what you mean by your institutional-level repository. For clinical data many institutes provide an institutional access to tools to collect clinical data (e.g. RedCap). The data in these institutional repositories are not typically used for data publication and sharing and the data would need to be exported and transferred to an appropriate repository.

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Resources Summary

- dkNET portal: https://dknet.org
- Data Management and Sharing Plan resources
 - Research Data Management webpage: https://dknet.org/rin/research-data-management
 - Suggested Data Repositories: https://dknet.org/rin/suggested-data-repositories
 - FAQ webpage: https://dknet.org/about/office-hours-faq
- Training resources
 - Summer of Data Student Program: https://dknet.org/about/Summer-Program
 - dkNET Webinar Series: https://dknet.org/about/webinar
 - On-demand webinar: https://dknet.org/about/webinar1
 - YouTube channel: https://www.youtube.com/channel/UCwukSrB8L61Fhwjv3x20lOQ
 - Slideshare: https://www.slideshare.net/dkNET/presentations
- Join the community and keep up with the latest
 - Newsletter https://dknet.org/about/maillist
 - Twitter https://twitter.com/dkNET Info
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