An Overview of Data Services and the Institutional Data Repository

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Website: dataservices.library.jhu.edu
Email: dataservices@jhu.edu
Johns Hopkins Research Data Repository: archive.data.jhu.edu
What is Open Scholarship?

• An umbrella term for all forms of openness of scholarly products
• A change of culture from traditional scholarly outputs
• Is necessary for research reproducibility

Open Software
Open Science
Open Data
Open Education Resources
Open Methodology
Open Peer Review
Open Access
JHU DATA SERVICES

HELPING YOU NAVIGATE DATA

WE HELP FACULTY, RESEARCHERS AND STUDENTS

FIND
USE
MANAGE
VISUALIZE
SHARE

FIND OUT MORE

GO TO dataservices.library.jhu.edu
EMAIL dataservices@jhu.edu
SHARE AT archive.data.jhu.edu
Find Data

Promote secondary data use by
• Locating open and licensed data
• Administering grant to purchase requested data

See Data & Statistics Guide for more info:
https://guides.library.jhu.edu/data-stats/home
Gain skills to effectively use data and code through

- Workshops on data cleaning and manipulation in open-source programming languages, such as R and Python
- Consultations and workshops by one of our GIS librarians on using geospatial data
Encourage research reuse by

- Teaching principles of documenting your code and data
- Reviewing funder-required data management and sharing plans

Tip: organize and document research early in your project
Facilitate research transparency by

- Providing consultations and workshops on designing clear and effective visualizations
- Advise on the documentation of code and methods used to create a visualization

"Designing Effective Data Visualizations" workshop
2:00 - 3:30 PM TODAY!
Encourage sharing scholarly products by

- Teaching and consulting on principles of deidentifying human participant data for sharing
- Operating the open access Johns Hopkins Research Data Repository (https://archive.data.jhu.edu/)
- Consulting on best practices to organize and document data for sharing

See PROTECTING HUMAN SUBJECT IDENTIFIERS Guide for more info: https://guides.library.jhu.edu/protection_identifiers
What is the Johns Hopkins Research Data Repository?

- An open-access repository for Johns Hopkins University researchers to **openly sharing** data and code, and for digital preservation
  - Not for active storage
  - Data/code must be free from ethical and legal constraints
- Deposits are administered by professional curators at JHU Data Services
  - Researchers cannot self-deposit
- **Generalist repository:** Accepts data and code in all formats and across disciplines
Features that Promote Open Scholarship

• Provides free and open access to data and code
• Makes data citable
  • Mints a permanent ID (i.e., DOI)
  • Provides a formatted data citation
• Contains metadata (i.e. descriptive info)
• Encourages reuse by assigning a license to your dataset
Research data produced at Johns Hopkins University

An open access repository for Johns Hopkins University researchers to share their research data.

The Johns Hopkins Research Data Repository (formerly the JHU Data Archive) is administered by professional curators at JHU Data Services, who will work with depositors to enable future discovery and reuse of your data, and ensure your data is Findable, Accessible, Interoperable and Reusable (FAIR).

Ready to deposit and share your data?
Click “Deposit Data” below to begin the registration and deposit process.

Want to learn more?
Information about archiving your data.

Datasets licensed for JHU Affiliates
Access datasets licensed by the Sheridan Libraries for JHU affiliates to use in research and teaching.

Find data across research fields, search metadata, and download files

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https://archive.data.jhu.edu/
Data associated with the publication: Stability of N-Heterocyclic carbene monolayers under continuous voltammetric interrogation

Pellitero, Miguel A.; Jensen, Isabel M.; Dominique, Nathaniel L.; Ekowo, Lilyan C.; Camden, Jon P.; Jenkins, David M.; Arroyo-Currás, Netzahualcóyotl, 2023, "Data associated with the publication: Stability of N-Heterocyclic carbene monolayers under continuous voltammetric interrogation", https://doi.org/10.7281/T1/U5GU03, Johns Hopkins Research Data Repository, V1

N-Heterocyclic carbenes (NHCs) are promising monolayer-forming ligands that can overcome limitations of thiol-based monolayers in terms of stability, surface functionality and reactivity across a variety of transition metal surfaces. Recent publications have reported the ability of NHCs to support biomolecular receptors on gold substrates for sensing applications, and improved tolerance to prolonged biofluid exposure relative to thiols. However, important questions remain regarding the stability of these monolayers when subjected to voltage perturbations, which is needed for applications with electrochemical platforms. Here, we investigate the ability of two NHCs, 1,3-

Subject

Medicine, Health and Life Sciences

Keyword

N-Heterocyclic carbenes, monolayer self-assembly, monolayer stability, thiols, voltammetry, electrochemical sensors, monolayer reorganization, carbene salts
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Use email button above to contact.

For questions about the data contact Netzhualcóyotl Arroyo-Currás via netzarroyo@jhmi.edu. (Department of Pharmacology and Molecular Sciences, Johns Hopkins University)
For questions about access to the data contact Johns Hopkins University Data Services via dataservices@jhu.edu. (Johns Hopkins University Data Services)

More metadata
- Subject
- Funder
- Software description
- Dataset Description
- File description
Accept License Terms for Viewing or Downloading Files

This dataset is made available under the following terms. Please confirm and/or complete the information needed below in order to continue.

License/Data Use Agreement

Our Community Norms as well as good scientific practices expect that proper credit is given via citation. Please use the data citation shown on the dataset page.

CC BY-NC 4.0
Deposit Process

Fill out our intake form found on [Repository homepage](#).

If our Repository is a good fit for your data, we will ask you to:

a) Fill out our Deposit Form (i.e., descriptive information)

b) Sign an Agreement (what we agree to do, and what scientist agrees to)

c) Prepare your data (**select, clean, organize, document**) and transfer data to us (either via Sharepoint or Globus).

Data Services manages the metadata entry and data uploads.
Contact JHU Data Services

GO TO
dataservices.library.jhu.edu

EMAIL
dataservices@jhu.edu

SHARE DATA AT
archive.data.jhu.edu

Helping you

FIND

USE

MANAGE

VISUALIZE

SHARE

DATA

JOHNS HOPKINS LIBRARIES
Data Services