Plan Overview

A Data Management Plan created using DMPTool

Title: REDI Entrepreneurship DATA PLAN

Creator: Andrew Johnson

Affiliation: The University of Arizona Global Campus (uagc.edu)

Funder: National Institute of Health (nih.org.pk)

Funding opportunity number: RFA-AG-23-029

Grant: https://grants.nih.gov/grants/guide/RFA-files/RFA-AG-23-029.html#_Section_II._Award_1

Template: Digital Curation Centre

Project abstract:

The REDI grant opportunity is a perfect fit for Andrew and the small business because the funding is directed toward entrepreneurial immersion. Andrew aligns with the opportunity, and his education specialization includes entrepreneurship and innovation. Where Andrew may lack in the technical theory of UV applications, Dr. Leonhardt's mentorship would surely fill him in. Having the support of George Mason and its Biomedical Research Lab provides more support for the successful execution of the project. Entrepreneurship training that will lead to biotech research and products. That is what makes this application an excellent project fit.

Start date: 03-01-2023

End date: 03-01-2024

Last modified: 02-16-2023

Copyright information:

REDI Entrepreneurship DATA PLAN

Data on how UV technology ruptures RNA structures in MRSA viruses will be collected. The data entry will be recorded using Adobe software. The format of the data will be in the form of a digital report. Storage will be through the PI hard drive. One drive cloud will be used in terms of backup and access.

Folders labeled REDI 2023 MRSA will be created for collecting any digital data related to the project. Only key personnel will have access to the folder that may contain any standardised data capture ore recording, data entry validation, peer review of data or representations with controlled vocabulaires.

There will not be a significant amont of metadata for this project.

Respecting the context in which data is collected and not using the data out of context, or in ways the person would not expect or consent to; Ensuring the data you hold about people is correct, and that it is collected, processed and, if necessary, shared on fair terms that they can reasonably understand.

Although data itself cannot be copyrighted, you may be able to own a **copyright** in the compilation of the data. Creative arrangement, annotation, or selection of data can be protected by copyright. **Patent** law may apply if your data collection leads to new and useful inventions such as machines, processes, manufactures, or improvements. Your data may be protected by **trade secret** if your formula, process, design, or method offers a commercial advantage. Keeping in mind that some contracts or grants come with non-disclosure agreements or other conditions requiring secrecy.

All data will be back up by USB and One Drive Cloud services.

- Data classification best practices are to maintain a catalog of data using Master Data Management and metadata. Metadata, which acts like the cards in a library, helps applications or services know which data to use and how to secure it properly during or after usage. This underpins database security best practices.
- Restricting access to data according to its use and sensitivity
- Accessing data only via approved APIs or applications
- A zero-trust mentality should be used to assess all profiles that grant authorization to data by asking the question, does this role or service still require access and if so, why?
- All data maintained in physical devices residing in the WPR's data center or a cloud must have the same stringent security practices that apply to software and cloud services, including monitoring, alerting and reporting any access attempt, regardless of the reason.
- Data encryption will be used and is oneof the safest methods of ensuring data security, especially when combined with encrypting the data transfer.

All project data stored for the REDI opportunity can and will be accessible to Grantor. Dr. Leonhardt will review the data of the project and decide what data to destroy and what to keep.

Question not answered.

Question not answered.

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Question not answered.