National Eye Institute / National Institutes of Health

AMD Integrative Biology Initiative

Data Access Request

Version 2.0

Contents

Data Use Certification Agreement

Introduction

The AMD Integrative Biology Initiative, led by the National Eye Institute (NEI), is a research effort designed to link clinical age-related macular degeneration (AMD) phenotypes with patient genetic and imaging data using cellular models. This initiative provides the research community with induced pluripotent stem cell (iPSC) lines derived from selected AREDS2 participants with known genetic risk factors for AMD. Developed in partnership with the New York Stem Cell Foundation Research Institute, the resource consists of dozens of iPSC lines along with associated genomic and phenotypic data. These materials are intended to support ongoing research into the biological mechanisms and potential treatments for AMD. This agreement only provides controlled access to de-identified phenotypic and genomics data through NEI BRICS.

The NIH has established policies and processes to make Data and Resources available through appropriate terms and conditions. The Genomic Data Sharing (GDS) Policy expects investigators generating large-scale human genomic data as well as relevant associated data to submit these data to a NIH-designated data repository. Respect for, and protection of the interests of, research participants are a key tenet of the GDS Policy and fundamental to NIH's stewardship of human genomic data. As such, access to controlled-access human genomic data will be provided only to research investigators who, along with their institutions, agree to meet the expectations and terms of access detailed below and to use the data according to participant informed consent, actualized as applicable Data Use Limitations established by the **Submitting Institution** through the **Institutional Certification**.

Definitions of the bolded terminology in this document are found in section 14.

The parties to this Agreement include: the **Data Access Requester/Principal Investigator (PI)** requesting access to controlled-access genomic and associated data (an "**Approved User(s)**"), the **Data Access Requester/PI's** home institution (the "**Requester**") as represented by the **Institutional Signing Official**, and the NIH. The effective date of this Agreement shall be the data access request (**DAR**) Approval Date, as specified in the notification of Data Access Committee (DAC) approval.

1. Research Use

The **Requester** agrees that if access is approved, (1) the **Data Access Requester/PI** named in the **DAR** and (2) those named in the "Senior/Key Person Profile" section of the **DAR**, including the **Information Technology Director** and any trainee, employee, or contractor[1] working on the proposed research project under the direct oversight of these individuals, shall become **Approved User(s)** of the requested dataset(s). The **Requester** and **Approved User(s)** acknowledge responsibility for ensuring the review and agreement to the terms within this Agreement and the appropriate research use of controlled-access data obtained through the attached **DAR** and any **Data Derivatives** of controlled-access datasets by research staff associated with any approved project, subject to applicable laws and regulations. Research use will occur solely in connection with the approved research project described in the **DAR**, which

includes a 1-2 paragraph description of the proposed research (i.e., a Research Use Statement). The **Requester** further certifies that the Research Use Statement's description of the proposed research is truthful and accurate. The Research Project (3-page limit) must be provided in Appendix A, which must include descriptive title, types of information being sought, detailed description of proposed project including timeline, and data management and sharing plan.

If the **DAR** process expects a Cloud Use Statement for investigators interested in using **Cloud Computing**, investigators must provide a Cloud Use Statement about the **Cloud Service Provider (CSP)** and/or **third-party IT system** and agree to secure the data according to the NIH Security Best Practices for Users of Controlled-Access Data (PDF). The Cloud Use Statement should at least state the name of the **CSP** and/or **third-party IT system**, the security standard, and how the **CSP** and/or third-party IT system will be used to carry out the work described in the Research Use Statement. If applicable, the investigator should describe the role of any **Collaborators** in using the **CSP** and/or **third-party IT system**. If the **Approved User(s)**plans to collaborate with investigators outside the **Requester**, the investigators at each external site must submit an independent **DAR** using the same project title and Research Use Statement, and if the **DAR** process expects when using the cloud, a Cloud Use Statement. New uses of these data outside those described in the **DAR** will require submission of a new **DAR**; modifications to the research project will require submission of an amendment to this application (e.g., adding or deleting **Requester**, **Collaborators** from the **Requester**, adding datasets to an approved project). Access to the requested dataset(s) is granted for a period of one (1) year, with the option to renew access or close-out a project at the end of that year.

Submitting Investigator(s), or their **Collaborators**, who provided the data or samples used to generate controlled-access datasets subject to the NIH GDS Policy and who have Institutional Review Board (IRB) approval, as applicable, and who meet any other study specific terms of access, are exempt from the limitation on the scope of the research use as defined in the **DAR**.

2. Requester and Approved User(s) Responsibilities

The **Requester** agrees, through the submission of the **DAR**, that the **Approved User(s)** have reviewed and understand the principles for responsible use and data management of controlled-access data as defined in the GDS Policy and the NIH Security Best Practices for Users of Controlled-Access Data (PDF). The **Requester** and **Approved User(s)** acknowledge that the NIH (including NIH DACs) may reject **DARs**, request revisions to **DARs**, and terminate ongoing research described in the Research Use Statement if NIH assesses the project has significant potential to cause harm to research participants, their families, groups and populations of which they are a part, or the national security of the United States, or for any reason at NIH's discretion. The **Requester** and **Approved User(s)** further acknowledge that they are responsible for ensuring that all uses of the data are consistent with national, Tribal, and state laws and regulations, as appropriate, as well as relevant institutional policies and procedures for managing controlled-access data. The **Requester** and **Approved User(s)** agree that in using the data, they are not aware of significant potential for the research to cause harm to participants, their families, groups and populations of which they are a part (e.g., from stigma associated with the research results), or the national security of the United States. The **Requester** and **Approved User(s)** agree that in using the data, if they become aware of significant potential for the research to

cause harm to participants, their families, groups and populations of which they are a part, or the national security of the United States that they will notify NIH within 24 hours. The **Requester** certifies that the **Data Access Requester/PI** is in good standing (i.e., no known sanctions) with the institution, relevant funding agencies, and regulatory agencies and is eligible to conduct independent research (i.e., is not a postdoctoral fellow, student, or trainee). The **Requester** and any **Approved User(s)** may use the dataset(s) only in accordance with the parameters described on the study page and in the Addendum to this Agreement for the appropriate research use, as well as any limitations on such use of the dataset(s) as described in the **DAR**, and as required by law. **Note: Recipient Agrees that the data may not be used for any human diagnostic, prognostic, or treatment purposes.**

Through the submission of this **DAR**, the **Requester** and **Approved User(s)** acknowledge receiving and reviewing a copy of the Addendum which includes Data Use Limitation(s) for requested controlled-access data. The **Requester** and **Approved User(s)** agree to comply with the terms listed in the Addendum.

Through submission of the **DAR**, the **Data Access Requester/PI** and **Requester** agree to submit a **Project Renewal** or **Project Close-out** prior to the expiration date of the one (1) year data access period. The **Data Access Requester/PI** also agrees to submit an annual **Progress Update** prior to the one (1) year anniversary of the project, as described under *Research Use Reporting* (Term 11) below.

By approving and submitting the attached **DAR**, the **Institutional Signing Official** provides assurance that relevant institutional policies and applicable local, state, Tribal, and federal laws and regulations, as applicable, have been followed, including IRB approval, if required. **Approved User(s)** may be required to have IRB approval if they have access to personal identifying information for research participants in the original study at their institution, or through their **Collaborators**. The **Institutional Signing Official** also assures, through the approval of the **DAR**, that other institutional departments with relevant authorities (e.g., those overseeing human subjects research, information technology, technology transfer) have reviewed the relevant sections of the NIH GDS Policy and the associated procedures and are in agreement with the principles defined.

The **Requester** acknowledges that controlled-access datasets subject to the NIH GDS Policy may be updated to exclude or include additional information. Unless otherwise indicated, all statements herein are applicable to the access and use of all versions of these datasets.

3. Public Posting of Approved User(s)'s Research Use Statement

The **Data Access Requester/PI** agrees that information about themselves and the approved research use will be posted publicly on the website. The information includes the **Data Access Requester/PI's** name and **Requester**, project name, Research Use Statement, and a Non-Technical Summary of the Research Use Statement. In addition, and if applicable, this information may include the Cloud Use Statement and name of the **CSP** and/or **third-party IT system**. Citations of publications resulting from the use of controlled-access data obtained through this **DAR** may also be posted on the website.

4. Non-Identification

Approved User(s) agree to make no attempt to identify or contact, either directly or indirectly, individual participants or their families. **Approved User(s)** agree not to use the requested datasets, either alone or in concert with any other information, to identify or contact individual participants from whom data and/or samples were collected. **Approved User(s)** also agree not to generate information (e.g., facial images or comparable representations) that could allow the identities of research participants to be readily ascertained. These provisions do not apply to research investigators operating with specific IRB approval, pursuant to 45 CFR 46, to contact individuals within datasets or to obtain and use identifying information under an IRB-approved research protocol. All investigators including any **Approved User(s)** conducting "human subjects research" within the scope of 45 CFR 46 must comply with the requirements contained therein.

5. Certificate of Confidentiality

Certificates of Confidentiality (Certificate) protect the privacy of research participants by prohibiting disclosure of protected information for non-research purposes to anyone not connected with the research except in specific situations. Data that are stored in and shared through the NIH data repositories accessed under this agreement are protected by a Certificate. Therefore, **Approved User(s)**, whether or not funded by the NIH, who are approved to access a copy of information protected by a Certificate, are also subject to the requirements of the Certificate of Confidentiality and subsection 301(d) of the Public Health Service Act. Version Implementation Date Summary of Changes Sections Updated Changes Approved By 1.0 9.22.2025 Initial release All OCIO, OSP 35 Under Section 301(d) of the Public Health Service Act and the *NIH Policy for Issuing Certificates of Confidentiality*, recipients of a Certificate of Confidentiality shall not:

- Disclose or provide, in any Federal, State, or local civil, criminal, administrative, legislative, or other proceeding, the name of such individual or any such information, document, or biospecimen that contains identifiable, sensitive information about the individual and that was created or compiled for purposes of the research, unless such disclosure or use is made with the consent of the individual whom the information, document, or biospecimen pertains;
- Disclose or provide to any other person not connected with the research the name of such an individual or any information, document, or biospecimen that contains identifiable, sensitive information about such an individual and that was created or compiled for purposes of the research.

Disclosure is permitted only when:

- Required by Federal, State, or local laws (e.g., as required by the Federal Food, Drug, and Cosmetic Act, or state laws requiring the reporting of communicable diseases to State and local health departments), excluding instances of disclosure in any Federal, State, or local civil, criminal, administrative, legislative, or other proceeding; Approved User(s)

- Necessary for the medical treatment of the individual to whom the information, document, or biospecimen pertains and made with the consent of such individual;
- Made with the consent of the individual to whom the information, document, or biospecimen pertains;

Made for the purposes of other scientific research that is in compliance with applicable Federal regulations governing the protection of human subjects in research. For more information see: Certificates of Confidentiality (CoC) | Grants & Funding

6. Non-Transferability

The **Requester** and **Approved User(s)** agree not to distribute controlled-access data and any **Data Derivatives** to any entity or individual not identified in the approved request without appropriate written approvals from the NIH. If the **Approved User(s)** are provided access to controlled-access datasets subject to the NIH GDS Policy for inter-institutional collaborative research described in the Research Use Statement of the **DAR**, and all members of the collaboration are also **Approved User(s)** through their home institution(s), data obtained through the attached **DAR** may be securely transmitted within the collaborative group.

Each **Approved User(s)** will secure the data according to the NIH Security Best Practices for Users of Controlled-Access Data (PDF), the terms of this Agreement, and the **Requester's** IT security requirements and policies.

Requester and **Approved User(s)** agree that controlled-access datasets obtained through the attached **DAR** and any **Data Derivatives** of controlled-access datasets, in whole or in part, may not be sold to any individual at any point in time for any purpose.

Requester must have policies and procedures to ensure that the **Approved User(s)** completes the Project Close-out process (See Termination and Data Destruction Provision) before moving to a new institution.

The **Approved User(s)**agrees that if they change institutions during the approved access period, they will complete the **Project Close-out** process (See Termination and Data Destruction for more details) before moving to their new institution. A new **DAR**, in which the new **Requester** agrees to the **Data Use Certification Agreement** and the **Genomic Data User Code of Conduct**, must be approved by the relevant NIH DAC(s) before controlled-access data may be re-accessed. If a **Approved User(s)** moves to a new institution without completing the Project Close-out process, the **Requester** must immediately notify the relevant NIH DAC(s) so that the project may be closed out and the data are destroyed according to NIH Security Best Practices for Users of Controlled-Access Data.

7. Data Security and Unauthorized Data Release

The **Requester** and **Approved User(s)** acknowledge NIH's expectation that they have reviewed and agree to manage the requested controlled-access data and any **Data Derivatives** according to

NIH's expectations set forth in the current NIH Security Best Practices for Users of Controlled-Access Data (PDF) and the **Requester's** IT security requirements and policies.

The **Requester** and **Approved User(s)** agree to notify the NIH Incident Response Team, NIH DAC(s) on the project request, and NIH Office of Extramural Research Data Sharing Policy Implementation (OER/DSPI) Team of any unauthorized data sharing, breaches of data security, or inadvertent data releases that may compromise data confidentiality within 24 hours of when the incident is identified. For the NIH Incident Response Team notifications can be made by phone (301) 496-HELP (4357); Toll Free Number: (866) 319-4357or TTY: (301) 496-8294 and can also be sent by email to NIHInfoSec@nih.gov or via the Report an Incident Link: https://irtportal.ocio.nih.gov/. For OER/DSPI Team, notifications can be sent to DMI_OER@mail.nih.gov.

As permitted by law, notifications should include any known information regarding the incident and a general description of the activities or process in place to define and remediate the situation fully. Within 3 business days of the DAC notification, the **Requester** agrees to submit to the DAC(s) and the OER/DSPI Team a detailed written report including the date and nature of the event, actions taken or to be taken to remediate the issue(s), and plans or processes developed to prevent further problems, including specific information on timelines anticipated for action. The **Requester** agrees to provide any additional documentation requested by the NIH DAC(s) and the NIH Data Management Incident Notification inbox on the incident, including verifying that the remediation plans have been implemented. Repeated violations or unresponsiveness to NIH requests may result in further compliance measures affecting the **Requester**.

NIH, or another entity designated by NIH may, as permitted by law, also investigate any data security incident. **Approved User(s)** and their associates agree to support such investigations and provide any information, within the limits of applicable local, state, Tribal, and federal laws and regulations. In addition, **Requester** and **Approved Users** agree to work with the NIH to assure that plans and procedures that are developed to address identified problems are mutually acceptable and consistent with applicable law.

8. Terms of Access Violations

The **Requester** and **Approved User(s)** acknowledge that the NIH may terminate the **DAR**, including this Agreement and immediately revoke or suspend access to all controlled-access datasets subject to the NIH GDS Policy at any time if the **Requester** is found to be no longer in agreement with the principles outlined in the NIH GDS Policy, the terms described in this Agreement, the **Genomic Data User Code of Conduct** or the policies, principles and procedures of NIH. The **Requester** and **Approved User(s)** agree to notify the OER/DSPI Team, and the NIH DAC(s) indicated in the project request to this Agreement of any violations of the NIH GDS Policy, this Agreement, or the **Genomic Data User Code of Conduct**, hereinafter referred to as data management incidents (DMIs), within 24 hours of when the incident is identified. For OER/DSPI Team, notifications can be sent to DMI_OER@mail.nih.gov. Repeated violations or unresponsiveness to NIH requests may result in further compliance measures affecting the **Requester**.

The **Requester** and **Approved User(s)** agree to notify the appropriate DAC(s) of any unauthorized data sharing, breaches of data security, or inadvertent data releases that may compromise data confidentiality within 24 hours of when the incident is identified. As permitted by law, notifications should include any known information regarding the incident and a general description of the activities, corrective actions, or process in place to define and remediate the situation fully. Within 3 business days of the notification(s), the **Requester** agrees to submit to the NIH DAC(s) and the OER/DSPI Team a detailed written report including the date and nature of the event, actions taken or to be taken to remediate the issue(s), and plans, preventive actions or processes developed to prevent future incidents, including specific information on timelines anticipated for action. The **Requester** agrees to provide documentation verifying that the remediation plans have been implemented. The **Requester** agrees to incorporate any changes to corrective or preventive actions or to make any additional corrective and preventive actions requested by NIH. Repeated violations or unresponsiveness to NIH requests may result in further compliance measures affecting the **Requester** and/or **the Approved User(s)**.

NIH, or another entity designated by NIH may, as permitted by law, also investigate any DMI. **Approved User(s)** and their associates agree to support such investigations and provide information, within the limits of applicable local, state, Tribal, and federal laws, and regulations. In addition, **Requester** and **Approved User(s)** agree to work with the NIH to assure that plans and procedures that are developed to address identified problems are mutually acceptable and consistent with applicable law.

9. Intellectual Property

By requesting access to dataset(s), the **Requester** and **Approved User(s)** acknowledge the intent of the NIH that anyone authorized for research access through the **DAR** follow the intellectual property (IP) principles as summarized below:

- Achieving maximum public benefit is the ultimate goal of data distribution through the NIH controlled-access data repositories. The NIH encourages broad use of NIH controlled-access data that is consistent with a responsible approach to management of intellectual property derived from downstream discoveries and expects that the **Requester** and **Approved User(s)**adhere to licensing practices consistent with the NIH Research Tools Policy (PDF).

The NIH considers these data as pre-competitive and urges **Approved User(s)** to avoid making IP claims derived directly from the dataset(s). It is expected that these NIH-provided data, and conclusions derived therefrom, will remain freely available, without requirement for licensing. However, the NIH also recognizes the importance of intellectual property in promoting the development of new therapies and products; as such, there is no restriction on development of commercial products resulting from the knowledge gained from the research project. Ownership of all intellectual property generated by activities under the research project will be governed by applicable patent law.

10. Dissemination of Research Findings and Acknowledgement of Controlled-Access Data Subject to the NIH GDS Policy

It is NIH's intent to promote the dissemination of research findings from use of controlled-access data subject to the NIH GDS Policy as widely as possible through scientific publication or other appropriate public dissemination mechanisms. **Approved User(s)** are strongly encouraged to publish their results in peer-reviewed journals and to present research findings at scientific meetings.

Approved User(s) agree to acknowledge the **Submitting Investigator(s)** who submitted data from the original study to an NIH-designated data repository, the primary funding organization that supported the **Submitting Investigator(s)**, and the NIH-designated data repository, in all oral and written presentations, disclosures, and publications resulting from any analyses of controlled-access data obtained through the attached **DAR**.

Because a main objective of the Initiative is to develop a robust database, NEI requires that summary results, code(s) used for analysis, and final scientific data generated during the Research Project shall be provided to NEI for inclusion within NEI BRICS, as applicable.

Requester agrees that the Data Access Requester/PI must refer to the NEI BRICS GUID in corresponding manuscripts and will acknowledge the Initiative in all oral and written presentations, disclosures, and publications resulting from the Research Project. An example of a possible acknowledgment is:

> *"The data used for the analyses described in this manuscript were obtained from the National Eye Institute –AREDS2 Study (NCT 00345176) and the AMD Integrative Biology Initiative which has been funded in part from the National Institutes of Health/National Eye Institute, under Contract No. HHSN263201800007C. We would like to thank the AREDS2 participants and the AREDS2 Research Group for their valuable contribution to this research."*

11. Research Use Reporting

To assure adherence to NIH GDS Policy, the **Data Access Requester/PI** agrees to provide annual **Progress Updates** as part of the annual **Project Renewal** or **Project Close-out** processes, prior to the expiration of the one (1) year data access period. The **Data Access Requester/PI** who is seeking renewal or close-out of a project agree to complete the appropriate online forms and provide specific information such as how the data have been used, including publications or presentations that resulted from the use of the requested dataset(s), a summary of any plans for future research use (if the **Data Access Requester/PI** is seeking renewal), any violations of the terms of access described within this Agreement and the implemented remediation, and information on any downstream intellectual property generated from the data. The **Data Access Requester/PI** also may include general comments regarding suggestions for improving the data access process in general. Information provided in the **Progress Updates** helps NIH evaluate program activities and may be considered by the NIH GDS governance committees as part of NIH's effort to provide ongoing stewardship of data sharing activities subject to the NIH GDS Policy.

12. Non-Endorsement, Indemnification

The **Requester** and **Approved User(s)** acknowledge that although all reasonable efforts have been taken to ensure the accuracy and reliability of controlled-access data obtained through the attached **DAR**, the NIH and **Submitting Investigator(s)** do not and cannot warrant the results that may be obtained by using any data included therein. NIH and all contributors to these datasets disclaim all warranties as to performance or fitness of the data for any particular purpose.

No indemnification for any loss, claim, damage, or liability is intended or provided by any party under this agreement. Each party shall be liable for any loss, claim, damage, or liability that said party incurs as a result of its activities under this agreement, except that NIH, as an agency of the United States, may be liable only to the extent provided under the Federal Tort Claims Act, 28 USC 2671 et seq.

13. Termination and Data Destruction

A **Project Close-out** must be completed when an approved project is completed. Upon **Project Close-out**, the **Requester** and **Approved User(s)** agree to destroy all copies, versions, and **Data Derivatives** of the data retrieved from NIH-designated data repositories, on both local servers and hardware, and if **Cloud Computing** was used, delete the data and cloud images from **Cloud Computing** provider storage, virtual and physical machines, and databases in accord with the NIH Security Best Practices for Users of Controlled-Access Data (PDF). However, the **Requester** may retain only encrypted copies of the minimum data necessary at their institution to comply with institutional scientific data retention policy, law, and scientific transparency expectations for disseminated research results, and/or journal policies. A **Requester** who retains data for any of these purposes continues to be a steward of the data and is responsible for the management of the retained data in accordance with the NIH Security Best Practices for Users of Controlled-Access Data (PDF), and any institutional policies. Any retained data may only be used by the **Data Access Requester/PI** and **Requester** to support the findings (e.g., validation) resulting from the research described in the **DAR** that was submitted by the **Requester** and approved by NIH. The data may not be used to answer any additional research questions, even if they are within the scope of the approved **DAR**, unless the **Requester** submits a new **DAR** and is approved by NIH to conduct the additional research. If a **Requester** retains data for any of these purposes, the relevant portions of Terms 4, 5, 6, 7, 8, and 13 remain in effect after termination of this **Data Use Certification Agreement**. These terms remain in effect until the data is destroyed. In instances where NIH provides written notification that **Data Derivatives** should be transferred to a NIH controlled-access data repository; the transfer must be completed prior to **Project Close-out**.

NIH may terminate this agreement at any time for any reason at its discretion with written notice to the **Requester**.

14. Definitions

Approved User(s): A user approved by the relevant Data Access Committee(s) to access one or more datasets for a specified period of time and only for the purposes outlined in the **Data Access Requester/Principal Investigator (PI)'s** approved Research Use Statement. The **Information Technology (IT) Director** indicated on the Data Access Request, as well as any staff members and trainees under the direct supervision of the **Data Access Requester/PI** are also **Approved User(s)** and must abide by the terms laid out in the Data **Use Certification Agreement**.

Collaborator: An individual who is not under the direct supervision of the **Data Access Requester/PI** (e.g., not a member of the **Data Access Requester/PI's** laboratory) who assists with the **Data Access Requester/PI's** research project involving controlled-access data subject to the NIH GDS Policy. Internal **Collaborators** are employees of the **Requester** and work at the same location/campus as the **Data Access Requester/PI**. External **Collaborators** are not employees of the **Requester** and/or do not work at the same location as the **Data Access Requester/PI** and consequently must be independently approved to access controlled-access data subject to the NIH GDS Policy.

- **Internal collaborators** are employees of the Institutional Requester and work at the same institution as the **Data Access Requester/PI**.
- **External collaborators** are not employees of the Requester and/or do not work at the same location as the **Data Access Requester/PI** and consequently must be independently approved to access controlled-access data. If the **Data Access Requester/PI** plans to collaborate with investigators outside of their Requesting institution, then **each external collaborator must submit a separate DUA with the exact title and wording as the Data Access Requester/PI** and be approved by the DAC.

Cloud Computing: The National Institute for Standards and Technology defines cloud computing as a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. For more information see NIST Special Publication 800-145(PDF).

Cloud Service Provider (CSP): A company or institution that offers some component of **cloud computing** to other businesses or individual, typically Infrastructure as a Service (IaaS), Software as a Service (SaaS) or Platform as a Service (PaaS), as defined by the National Institute of Standards and Technology. For more information see NIST Special Publication 800-145(PDF).

Data Access Request (DAR): A request submitted by a **Data Access Requester/Principal Investigator (PI)** to a NIH Data Access Committee for access to controlled-access data from a NIH-designated data repository. The DAR is signed by the **Data Access Requester/PI** requesting the data and their **Institutional Signing Official**.

Data Access Requester/Principal Investigator (PI): The individual who prepares Data Access Requests (DARs), Project Renewals, and Project close-outs. To be able to submit a DAR, a Data Access Requester must:

- Be a permanent employee of their institution at a level equivalent to, but not limited to, a tenure-track professor or senior researcher scientist with responsibilities that most likely include laboratory administration and oversight. Additionally, the investigator has the authority to ensure those that they directly supervise adhere to the terms of access in this agreement; **Data Access Requesters cannot be post- doctoral fellows, trainees, or lab technicians.**
- Have oversight responsibility for others named on the data access request who will be granted access to the data.
- Can be accountable for ensuring that all aspects of data usage align with the terms of the DUA and institutional policy.
- Have an institutional email (no public emails will be accepted e.g. Gmail).

Data Derivative: Data derived from controlled-access datasets obtained from NIH-designated data repositories. Examples of derived data include imputed datasets and single nucleotide polymorphisms, or any data explicitly designated as **Data Derivatives** by NIH.

Data Use Certification (DUC) Agreement: An agreement between the **Approved User**, the **Requester**, and NIH regarding the terms associated with access of controlled-access datasets subject to the NIH GDS Policy and the expectations for use of these datasets.

Genomic Data User Code of Conduct: Key principles and practices agreed to by all research investigators requesting access to controlled-access data subject to the NIH GDS Policy. The elements within the Genomic Data User Code of Conduct reflect the terms of access in the **Data Use Certification Agreement**.

Information Technology (IT) Director: An Approved User who is generally a senior IT official of the **Requester** with the necessary expertise and authority to affirm the IT capacities at the **Requester**. The IT Director is expected to have the authority and capacity to ensure that the NIH Security Best Practices for Users of Controlled-Access Data (PDF) and the **Requester's** IT security requirements and policies are followed by all of the **Requester's Approved User(s)**.

Institutional Certification: Certification by the **Submitting Institution** that delineates, among other items, the appropriate research uses of the data and the uses that are specifically excluded by the relevant informed consent documents. Further information may be found here.

Institutional Signing Official: The label, "Signing Official," is used in conjunction with the NIH eRA Commons and refers to the individual that has institutional authority to legally bind the institution in grants administration matters. The individual fulfilling this role may have any number of titles in the institution but is typically located in its Office of Sponsored Research or equivalent. **Note: SO's MUST provide an email from the same institution as the Data Access Requester**

Progress Update: Information included with the annual **Data Access Request (DAR)** renewal or Close-out summarizing the analysis of controlled-access datasets obtained through the **DAR** and any publications and presentations derived from the work.

Project Close-out: Termination of a research project that used controlled-access data from a designated data repository (e.g., dbGaP) and confirmation of data destruction when the research is completed and/or discontinued.

Project Renewal: Renewal of a **Data Access Requester/PI's** access to controlled-access datasets for a previously approved project.

Requester: The home institution or organization of the **Data Access Requester** that applies to NEI BRICS for access to controlled-access data subject to the NIH GDS Policy.

Submitting Institution: An organization who submitted a genomic dataset to an NIH-designated data repository (e.g., dbGaP).

Submitting Investigator: An investigator who submitted a genomic dataset to an NIH designated data repository (e.g., dbGaP).

Third-party IT system: A collection of computing and/or communications components and other resources that support one or more functional objectives of an organization.

[1]If contractor services are to be utilized, the **Data Access Requester/PI** requesting the data must provide a brief description of the services that the contractor will perform for the **Data Access Requester/PI** (e.g., data cleaning services) in the research use statement of the **DAR**. The **Data Access Requester/PI** is expected to include in any contract agreement requirements that any of the contractor's employees who have access to the data adhere to the NIH GDS Policy, this **Data Use Certification Agreement**, and the NIH Security Best Practices for Users of Controlled-Access Data (PDF). Note that any scientific collaborators, including contractors, who are not at the **Requester** must submit their own **DAR**. These requirements apply whether the contractor carries out the work at the **Data Access Requester/PI's** facility or at the contractor's facility.

Information Security Best Practices

The purpose of these Security Best Practices, which are subject to applicable law, is to provide minimum security standards and best practices for individuals who use the NEI BRICS to submit, access, and analyze data. Keeping the NEI BRICS information secure through these best practices is important. Subject to applicable law, Recipients agree to immediately report breaches of data confidentiality to the DAC.

Best Practices

- Do not attempt to override technical or management controls to access data for which you have not been expressly authorized.
- Do not use your trusted position and access rights to exploit system controls or access data for any reason other than in the performance of the proposed research.
- Ensure that anyone directed to use the system has access to, and is aware of, Information Security Best Practices and all existing policies and procedures relevant to the use of the NEI BRICS, including but not limited to, the NEI BRICS policy at https://neidatacommons.nei.nih.gov/amd-Integrative-biology-initiative.
- Notify Operations staff, as permitted by law, at NEI-DataCommons-ops@mail.nih.gov of security incidents, or any incidents of suspected fraud, waste, or misuse of the NEI BRICS, or when access to the NEI BRICS is no longer required.

Security Standards

All users in possession of NIH controlled-access data must protect this data in accordance with National Institute of Standards and Technology (NIST) SP 800-171, "Protecting Controlled Unclassified Information in Nonfederal Information Systems and Organizations". Additional security standards are provided below based on workspace location for the data analysis. Non-U.S. users of controlled access data that are unable to align with the NIST SP 800-171 are permitted to use the ISO/IEC 27001/27002 "Information security, cybersecurity and privacy protection – Information security management systems – Requirements" and "Information security, cybersecurity and privacy protection – Information security controls" as a comparable standard.

All users must attest that their institution is compliant with the NIST SP 800-17. Users choosing a third-party IT system and/or Cloud Service Provider (CSP) for data analysis and/or storage for their project should provide the NEI BRICS with an attestation that the third-party system is compliant with NIST SP 800-171.

- Protect the data, providing access solely to authorized researchers permitted access to such data by your institution or to others as required by law.
- When downloading data from the NEI BRICS, ensure it is saved to a secure computer or server with strong password protection.
- For the computers hosting data from NEI BRICS, ensure it has the latest security patches and are running virus protection software.
- Make sure the data are not exposed to the Internet or posted to a website that may be discovered by Internet search engines such as Google or MSN.
- If you leave your office, close out of data files or lock your computer. Consider the installation of a timed screen saver with password protection.
- Avoid storing data on a laptop or other portable medium. If storing data on such a device, encrypt the data. Most operating systems have the ability to natively run an encrypted file system or encrypt portions of the file system. (Windows = EFS or Pointsec and Mac OSX = File Vault)
- When finished using the data, destroy the data or otherwise dispose of it properly, as permitted by law.

Requester Information and Certifications

NOTE: Upload the document as a PDF. E-signatures with a digital certificate are required.

Date: _____

Type of Application: ◯ New ◯ Renewal

Data Access Requester Information (*Refer to Section 14 above*)

Are you the Project Director/Principal Investigator? ◯ Yes ◯ No

First Name:_____ Last Name: _____

Degree:_____Academic Position (or Title): _____

Institution:_____Department: _____

Street Address:_____

City:_____State/Province:_____

Zip/Postal Code:_____Country: _____

Telephone:_____

E-mail Address_____

Note: public emails will be automatically rejected- please use your institutional email

IRB Requirement

Does the PI have IRB approval from their institution? ◯ Yes ◯ No

- If yes, please upload the IRB approval letter as separate attachment in the 'Files' section of your profile in NEI BRICS
  - IRB approval number:_____ Expiration Date: _____
- If no, please upload the IRB exemption letter as separate attachment in the 'Files' section of your profile in NEI BRICS

By signing and dating this DAR as part of requesting access to data in the NEI BRICS, I certify that I will comply with the terms and conditions of the DAR and with applicable NIH principles, policies, and procedures governing the use of the NEI BRICS. I attest that the data will be secured in accordance with the NIST SP 800-171, NIH Security Best Practices for Users of Controlled-Access Data. I further attest that if a third-party IT system and/or Cloud Service Provider (CSP) is used for data analysis and/or storage for this project, I will provide NEI BRICS with an attestation that the third-party system is compliant with NIST SP 800-171, NIH Security Best Practices for Users of Controlled-Access Data. I also acknowledge that I have shared this document and the NIH policies and procedures with all the internal collaborators listed in this DAR.

Signature: _____ Date: _____

Requester's Authorized Institutional Signing Official (SO) information:

Name: _____

Title: _____

Email: _____

Note: The SO email needs to be associated with the same institution as the Data Access Requester. ***The SO CANNOT also serve as the Data Access Requester.***

By signing and dating this DAR as part of requesting access to data in the NEI BRICS, I certify that I will comply with all the terms and conditions of the DAR and with applicable NIH principles, policies, and procedures governing the use of the NEI BRICS. I attest that the data will be secured in accordance with the NIH Security Best Practices for Users of Controlled-Access Data. I further attest that if a third-party IT system and/or Cloud Service Provider (CSP) is used for data analysis and/or storage for this project, I will provide the NEI BRICS with an attestation that the third-party system is compliant with NIST SP 800-171, NIH Security Best Practices for Users of Controlled-Access Data. As the SO, I confirm that the listed Data Access Requester is affiliated with their listed institution and meets the minimum requirements to qualify as a Data Access Requester. I also confirm that each listed Collaborator is affiliated with their indicated institution.

Signature: _____ Date: _____

Information on Other Key Personnel Requiring Data Access:

Please list ALL individuals on the project that will need access to the repository data, including graduate students, post-doctoral fellows, technicians, internal collaborators, etc.

Note: Collaborators MUST be from the same institution as the Data Access Requester and SO. List each Collaborator below. External Collaborators are required to submit a separate DAR. *(Refer to Section 14 above)*

Data User Profile (Must be from the same institution as the Data Access Requester/PI and SO):

First Name:_______________________________________ Last Name: ____________________________

Degree:________________________Academic Position (or Title): _________________________________

Institution:____Department: ____________________________

City:____State/Province: _____________________________

Zip/Postal Code:__________________________Country: ______________________________________

E-mail Address: ____(institutional emails only, no Gmail etc)

Project Role:______________________________________

Data User Profile (Must be from the same institution as the Data Access Requester/PI and SO):

First Name:_______________________________________ Last Name: ____________________________

Degree:________________________Academic Position (or Title): _________________________________

Institution:____Department: ____________________________

City:____State/Province: _____________________________

Zip/Postal Code:__________________________Country: ______________________________________

E-mail Address: ____(institutional emails only, no Gmail etc)

Project Role:______________________________________

Data User Profile (Must be from the same institution as the Data Access Requester/PI and SO):

First Name:_______________________________________ Last Name: ____________________________

Degree:________________________Academic Position (or Title): _________________________________

Institution:____Department: ____________________________

City:____State/Province: _____________________________

Zip/Postal Code:__________________________Country: ______________________________________

E-mail Address: ____(institutional emails only, no Gmail etc)

Project Role:______________________________________

Data User Profile (Must be from the same institution as the Data Access Requester/PI and SO):

First Name:_______________________________________ Last Name: ____________________________

Degree:________________________Academic Position (or Title): _________________________________

Institution:____Department: _____________________________

City:____State/Province: _______________________________

Zip/Postal Code:__________________________Country: _______________________________________

E-mail Address: ____(institutional emails only, no Gmail etc)

Project Role:______________________________________

Data User Profile (Must be from the same institution as the Data Access Requester/PI and SO):

First Name:_______________________________________ Last Name: ____________________________

Degree:________________________Academic Position (or Title): _________________________________

Institution:____Department: _____________________________

City:____State/Province: _______________________________

Zip/Postal Code:__________________________Country: _______________________________________

E-mail Address: ____(institutional emails only, no Gmail etc)

Project Role:______________________________________

Data User Profile (Must be from the same institution as the Data Access Requester/PI and SO):

First Name:_______________________________________ Last Name: ____________________________

Degree:________________________Academic Position (or Title): _________________________________

Institution:____Department: _____________________________

City:____State/Province: _______________________________

Zip/Postal Code:__________________________Country: _______________________________________

E-mail Address: ____(institutional emails only, no Gmail etc)

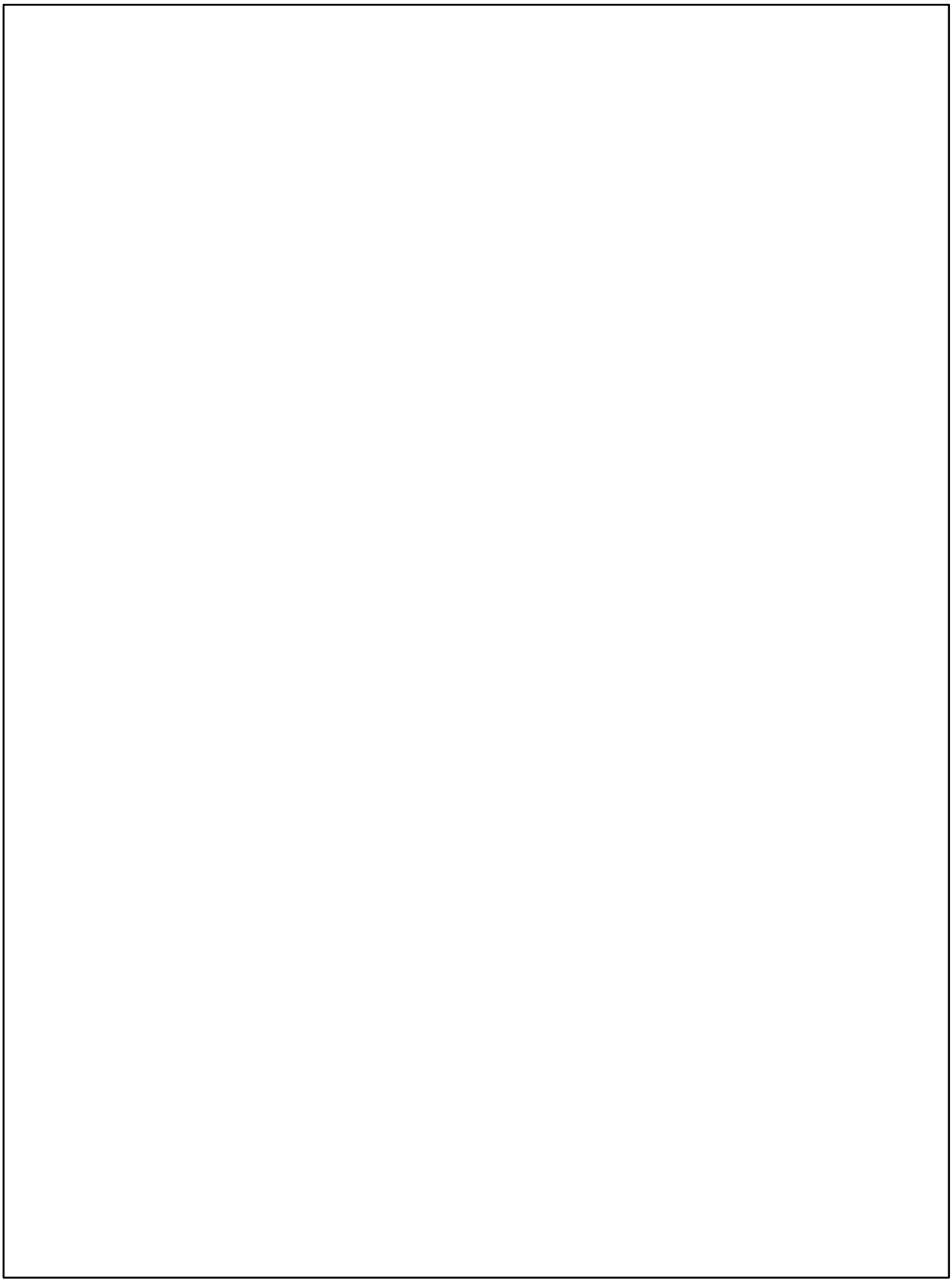
Project Role:______________________________________

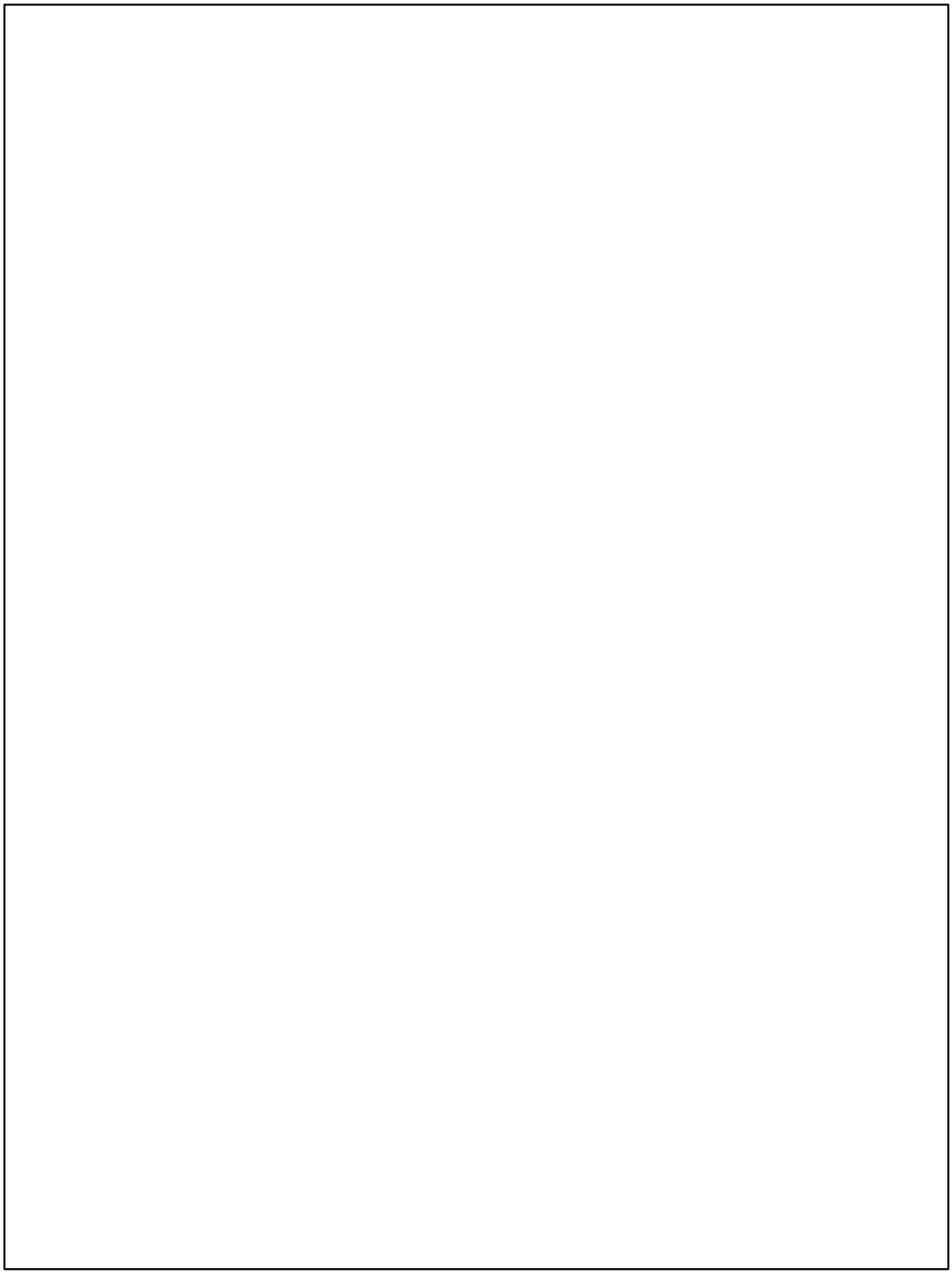
APPENDIX A

*Appendix A consists of the **research project** and **data management plan***

RESEARCH PROJECT *(Provide descriptive title, types of information being sought, detailed description of proposed project including timeline. THREE PAGE LIMIT)*

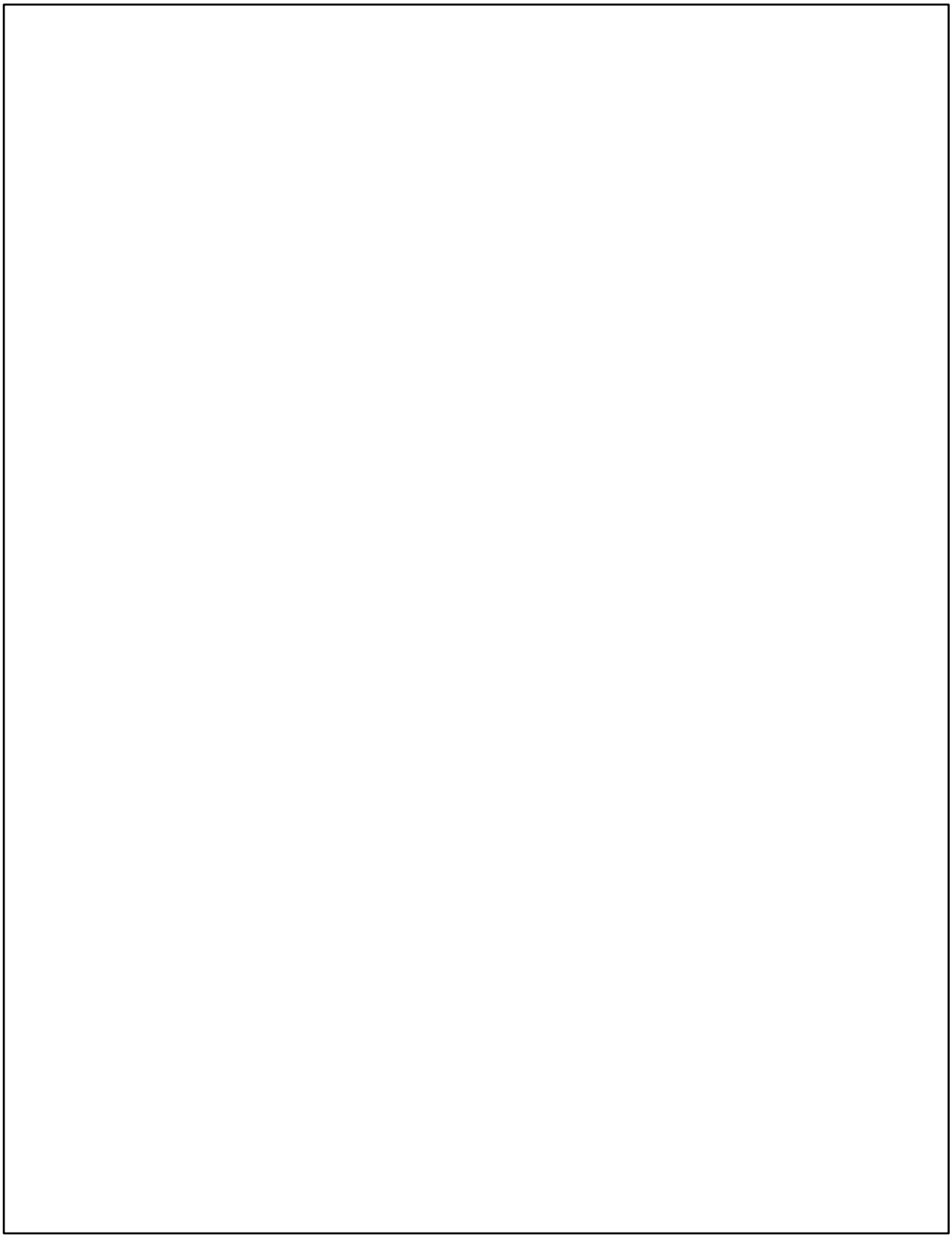
Title:_____





Data Management and Sharing Plan

- *What data will you collect or create? What documentation and metadata will accompany the data?*
- *What tools, software, and/or code are required to access or manipulate the data?*
- *What standards will be applied to the data and metadata?*
- *How will you share the data? Are any restrictions on data sharing required?*
- *Who will be responsible for data management? What resources will you require?*



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