

DATA MANAGEMENT AND SHARING PLAN

If any of the proposed research in the application involves the generation of scientific data, this application is subject to the NIH Policy for Data Management and Sharing and requires submission of a Data Management and Sharing Plan. If the proposed research in the application involves the generation of large-scale genomic data, the Genomic Data Sharing Policy also applies and must be addressed in this Plan. Refer to guidance on [Writing a Data Management and Sharing Plan](#). When preparing your plan, you should delete the text in italics. There is no “form page” for the Data Management and Sharing Plan. The DMS Plan must be provided in the *format* shown below.

1. Will there be [maximum appropriate sharing of scientific data](#) underlying peer-reviewed publications and other findings resulting from the work supported by this award (including preprints, refereed papers reported at conferences, and other findings)?
Yes ☒ No ☐
2. Will the scientific data underlying peer-reviewed publications be shared by the time of publication, or for other findings, by the end of the period of performance, which includes no-cost extensions?
Yes ☒ No ☐
3. Will shared scientific data be made available for at least as long as required by applicable data repository policies and/or journal policies?
Yes ☒ No ☐
4. If you answered “no” to elements 1, 2, or 3, or if you anticipate that sharing will be limited in some other way, please describe these limitations and the ethical, legal, or technical factors for them. Your response should specify a particular reason(s) for limiting sharing. *[300 words maximum]*
5. If scientific data derived from human research participants will be shared, will privacy, rights, and confidentiality of participants be protected as outlined in [NOT-OD-22-213](#)?
Yes ☐ No ☐ Not Applicable ☒
6. *In the table below, please list [100 words maximum]:*
 - a. *Key types of scientific data anticipated to be generated during the project, including the species and modality, if known (e.g., “human genomic data,” “rat functional magnetic resonance imaging data”). NIH recognizes that not all data types expected to be generated in the study will meet the definition of scientific data or can be anticipated in advance. If a data type does not appear on the list, it does not imply that that data type will not be shared if it is generated in the study.*
 - b. *The repository or an example of a repository where the scientific data may be managed and shared, if the scientific data is known at time of application. NIH expects the use of established repositories for preserving and sharing scientific data when they are available.*

Expected Data Type	Established Repository or Example
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Medicinal chemistry, formulation, and analytical datasets for TPH104 analogs and PEGylated liposomal formulations, including synthetic procedures, SAR datasets, physicochemical characterization, LC-MS, NMR, drug loading, release kinetics, and stability analyses.	PubChem, ChemRxiv supplementary datasets, Zenodo
In vitro TNBC functional datasets from parental and resistant breast cancer cell lines, including viability, clonogenic survival, caspase activity, OCR/ECAR metabolic profiling, mitochondrial assays, immunogenic cell death markers, efflux transporter activity, flow cytometry, and confocal/electron microscopy imaging datasets.	Zenodo, Figshare, OSF; BioImage Archive for large microscopy datasets
In vivo datasets from TNBC xenograft, syngeneic, and PDX mouse models, including pharmacokinetics, biodistribution, toxicology, dose-response, IVIS imaging, efficacy, and survival analyses.	Zenodo, Figshare, institutional repositories
Immune profiling and multi-omics datasets, including cytokine profiling, immune checkpoint expression, TIL phenotyping, CRISPR screen outputs, spatial transcriptomics, single-cell RNA-seq, and associated sequencing/barcode datasets.	GEO, SRA, dbGaP (as applicable), PRIDE, Zenodo

7. For studies subject to the NIH Genomic Data Sharing Policy (GDS) (e.g., using NIH funds to generate large-scale human genomic data):

- a. Will you share all large-scale human genomic and associated data in a NIH-designated repository according to the accelerated timelines expected in the GDS Policy?

Yes ☒ No ☐ Not Applicable ☐

If "no," address in element 4.

- b. Do you anticipate that when sharing you will be able to meet the [expectations of the Institutional Certification](#) in the GDS Policy?

Yes ☒ No ☐ Not Applicable ☐

If "no," address in element 4.