Part B - Data Sharing and Management Plan (DSMP) for Omics/Flow Cytometry Data

Questionnaire

**DO NOT SUBMIT DSMP with APPLICATION**

**If funded, submit DSMP as Just in Time (JIT) material during pre-funding administrative review (PFAR)**

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Questions 3, 4, 6 refer to entries in the DSMP Data Catalog

1. **Grant number (required)**

DISCx-xxxxx

1. **Name of Applicant PI (required)**
2. **If applicable: Novel software in data processing or data reuse** (enter n/a if not applicable)

If you propose to use novel software (i.e., custom software that you / your colleagues developed and/or own) to process data, or if this novel software is required in order for another researcher to access or reuse the data that is produced, please describe how a researcher may obtain the software needed to replicate your results or to reuse the produced data. If the novel software is proprietary, please provide the information requested under question 4.

1. **If applicable: Proprietary software in data processing or data reuse** (enter n/a if not applicable)

If you propose to use proprietary software to process data, or if proprietary software is required in order for another researcher to access or reuse the data that is produced, i.e., if you marked "No" in the Data Catalog column "Is Software Open Source?", please provide the following details for each data product:

* a justification for using proprietary software over open source alternatives,
* a description of any known usage restrictions
* a list of known open source alternatives, if applicable, that could be used by another researcher to replicate your results or reuse your data.

1. **Code availability (required)**

In addition to the data processing steps captured in the DSMP Data Catalog, please share where and how to access any code (existing or custom) used to analyze and report results, such as Rmarkdown or Jupyter Notebooks.

1. **If applicable: Additional Information for “Data Repository”** (enter n/a if not applicable)

If you propose a data repository that is not covered in the [CIRM guidance for data repositories](https://www.cirm.ca.gov/sites/default/files/files/about_cirm/Data%20Repositories%20Guidance.pdf), such as a repository developed as part of your work, or on-premise or institutional hosting solutions, please provide a description of the repository, including how to access it, and a justification for its use.

1. **Data Project Manager (required)**

Please identify a point of contact (POC) ***for each experiment type listed*** in the DSMP Data Catalog who will be responsible for preparing, sharing, and depositing the specific data modality, and who will be available to collaborate with CIRM to discuss any follow-up questions necessary to complete the DSMP Data Catalog. Please provide name, title, ORCID id and email address, unless TBD.

1. **Consent language related to data sharing (required for all human data)**

For all data derived from **human samples, whether de-identified or not**, please cite the consent language (i.e., paste relevant text from the consent form) that allows researchers to **share data generated using donated samples or their derivatives, such as sequencing data, in data repositories accessible to others**. This section is NOT about maintaining participant privacy (such as not sharing name, birth date etc).

If the consent form does not specifically mention data sharing, state this and indicate whether data submission to a repository is consistent with the terms of consent.

If more than one consent form was used for different human samples, please provide the data sharing language from each consent form.

If consent form cannot be accessed, please state so, and explain to what extent data can be shared.

1. **Data Use Limitation (DUL) records (required for all human data)**

Please indicate whether a DUL record for the human sample(s) exists (yes/no), and if yes, list the acceptable uses and requirements or limitations for data sharing via a repository. If more than one consent form was used for different human samples, please provide DUL record information for each consent form.

1. **Restrictions limiting extent of data sharing (required)**

Please list any restrictions that may limit the extent of sharing of data produced under this award, if funded. For example, certain kinds of data, especially human subjects data, require extra preparation before they can be shared to ensure participant privacy.

Examples of restrictions that may limit the extent of data sharing:

* Protective measures that ensure participant privacy
* Restrictions imposed by federal, Tribal, or state laws, regulations, or policies
* Existing or anticipated agreements, e.g., with third party funders, with partners, or with Health Insurance Portability and Accountability Act (HIPAA) covered entities that provide Protected Health Information under a data use agreement
* Licensing limitations attached to materials needed to conduct the research
* Any other considerations that may limit the extent of data sharing

1. **If applicable: Justification of omics or flow cytometry data that will not be shared** (enter n/a if not applicable)

CIRM expects all experimental data to be shared. If there are omics or flow cytometry data you do not intend to share, please identify which data you will not share and explain why.

1. **Metadata and Data Standards (required)**

Metadata refers to data that provide additional information needed to make shared raw and processed data interpretable and reusable. Please see “Data Terminology” in “Guidelines for CIRM DSMP for Omics / Flow Cytometry Data” for more information on metadata. CIRM expects that you will include metadata when you deposit your raw and processed data in a Data Repository.

**Please affirm, by placing an “x” in the box,** that, if funded, you will work with CIRM

* to develop a plan for sharing metadata when you deposit raw and processed data, and
* to identify relevant standards in your field of study and apply these standards to data processing, to the metadata you produce, and to the formats and naming conventions for data you plan to share with the research community.

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1. **Feedback (optional)**

CIRM is committed to improving research data reuse and reproducibility. We welcome both constructive criticism and positive feedback that will help CIRM improve the DSMP process. Please share any feedback that you feel will help CIRM improve the process or the reproducibility and reusability of research data funded by CIRM.