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.**

Table of Contents

1. Grant Number - required
2. Name of Applicant PI - required
3. Custom/in-house software in data processing or data reuse - if applicable
4. Analysis Pipeline - required
5. Additional Information for “Data Repository” - if applicable
6. Data Project Manager - required
7. Justification of omics or flow cytometry data that will not be shared - if applicable
8. Metadata and Data Standards - required
9. Feedback - optional

1. **Grant number (required)**

DISCx-xxxxx

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

If you propose to create and/or use custom software, that you / your colleagues developed and/or own, to process data, or if such custom software is required in order for another researcher to access or reuse the data that is produced, please describe where you will deposit this software so that another researcher may obtain the software needed to replicate your results or to reuse the produced data.

1. **Analysis Pipeline (required)**

For other researchers to replicate or reuse your data, they need access to the process you used to analyze your data and generate end results and figures. You should plan on sharing, when applicable, a reproducible analysis pipeline, where you provide the code you created or the existing containerized methods you used to link software outputs during data processing steps. This could be documented using Rmarkdown Notebook, Jupyter Notebook, or other scripts or existing containerized methods.

**Please affirm, by placing an “x” in the box**, that, if applicable, you will document your analysis pipeline, using Rmarkdown Notebook, Jupyter Notebook, or other scripts or existing containerized methods, and that you will share it in a repository such as GitHub or Bitbucket.”

|  |
| --- |
|  |

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

CIRM expects all applicable\* 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.

\*Refer to guidelines for definition of ‘applicable data’

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
* 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
* to provide an institutional certification regarding data use limitations

|  |
| --- |
|  |

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.