# Application form: NBIS/SciLifeLab Bioinformatics Support, peer review track (Wallenberg Advanced Bioinformatics Infrastructure, WABI)

## Project name (max 1 line; 70 characters incl. spaces):

Principal investigator (PI)
The applicant should be a PI/group leader.
PI first name:
PI family name:

PI position:

University:

Email:

Co-applicant (optional):

University of co-applicant:

**Note!**

The application content (text, figures and references) should fit within the page limits stated after each heading, using font Calibri or Times New Roman size 12. Applications that are incomplete or otherwise do not conform to the instructions in this document will be excluded prior to scientific evaluation.

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Applications can be submitted at any time. For application information and the date for the next evaluation, please see

https://www.nbis.se/services/bioinformatics/peerreview/apply

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## Note! Terms and conditions for WABI support

Each granted project has to commit to the NBIS User Agreement (posted on the application web page, see link above) and to the following conditions for resources funded through the Data-Driven Life Science program

* Commit to data sharing and open science.
* Release research results, data, methods and code throughout the project according to the FAIR principles and as early as possible in the research process.
* Establish a data management plan (DMP) at the start of the project.
* NBIS and DDLS must be acknowledged in publications as below:
“This work was supported by the SciLifeLab & Wallenberg Data Driven Life Science Program, Knut and Alice Wallenberg Foundation (grants: KAW 2020.0239 and KAW 2017.0003), and by the National Bioinformatics Infrastructure Sweden (NBIS) at SciLifeLab.”

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## List of main scientific aims of the project (max 0.5 page)

Please summarize the main scientific aims of your project as a bullet point list.

* Aim A
* …

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## Project description (max 1.5 pages)

Please describe your research project. Make clear the i) background, ii) questions to investigate, iii) the scientific value of the study, and iv) how your study design and data will help answering the questions of the study.

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## Available and planned data (max 1 page)

Please give a clear overview of the available and planned data to be used (generated for this project or obtainable from repositories) in terms of e.g. data types and volumes, number of samples, biological and technical replicates, and other information relevant for the study design and the statistical power. Also state the data provider or data repository, and when the data was/will be delivered or can be accessed.

In addition to this section, you are also expected to provide a Data Sheet in Excel format with a more comprehensive description of the data. Please note that the Data Sheet should not include the data itself, only information about the data (i.e. metadata). For further information and examples, please see the application page: https://nbis.se/services/bioinformatics/peerreview/apply

**Note!** Incomplete or unclear descriptions in this section and/or in the Data Sheet will render your application a lower priority.

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## Data-driven life science and open science (max 0.5 page)

Describe in what way, if any, this study will apply and/or develop recent or novel data-driven approaches. Describe the plans for facilitating re-use of data through e.g. data publishing, extended data annotation, data services/apps, as well as what freely available software, methods or other contributions to open science will be generated within the project.

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## Support needed (max 0.5 page)

Please outline briefly (in priority order) your main needs of bioinformatics support, which you think are achievable within 3-6 months FTE (admittedly this is hard to predict, but make your best guess here), and when you would prefer the support to begin. Also, please make clear why you need bioinformatics support, i.e. which parts of the project your group

wouldn't be able to complete otherwise and why.

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## Involvement (max 1 page)

Please state the name(s) of the data analysis scientist(s) assigned to work in this study from your side, and their current skills in Linux/Unix, programming, and bioinformatics. Also state the timeframe of their contract(s) and the fraction of time they can devote to data analysis in this project over the next 12 months. Please also describe to what extent the PI(s) will be involved and how the knowledge gained through the support will be sustained within the research group(s).

**Note!** At least 50% working time devoted to data analysis over 12 months by a scientist in the group of the applicant (or co-applicant) is normally required for support. Additional involvement to ensure knowledge transfer will render a higher priority.

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## CV, main applicant (max 1 page, including max 5 relevant publications)

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