

SciLifeLab Bioinformatics Long-term Support (Wallenberg Advanced Bioinformatics Infrastructure)

Application Information

SciLifeLab Bioinformatics Long-term Support

SciLifeLab is a center for large-scale biosciences with a focus on health and environmental research. The centre combines advanced technical know-how and state-of-the-art equipment with a broad knowledge in translational medicine and molecular bioscience. SciLifeLab offers a number of different national services for large-scale data generation and analysis.

Through a generous grant from the Knut and Alice Wallenberg Foundation, SciLifeLab now invites all Swedish research groups to apply for advanced bioinformatics support. The support will initially focus on genomics sequence data analysis, including both medical and non-medical projects. Research groups interested in this bioinformatics support will have to send a specific application to Wallenberg Advanced Bioinformatics Infrastructure (WABI).

Note: *SciLifeLab Bioinformatics Long-term Support collaborates closely with other facilities at SciLifeLab such as the National Genomics Infrastructure hosted by SciLifeLab (NGI). However, the application information below relates only to the bioinformatics long-term support and not to any other SciLifeLab services.*

What we offer

WABI has state-of-the-art competence and technical know-how in large-scale sequence data analysis, including transcriptomics, variant detection and de novo genome assembly. The WABI personnel are senior bioinformaticians, with competences covering for example cancer genomics, RNA differential expression analyses, animal disease models, plant and animal genomics, and evolution. We also work towards improved integration of data generated at different SciLifeLab facilities.

The WABI personnel are permanent staff devoted full-time to bioinformatics support. An important aspect of WABI is to achieve hands-on knowledge transfer between WABI personnel and the applicant's research group. It is also our intention to offer members of the research group to spend time at SciLifeLab to ensure an efficient learning process.

Applying for SciLifeLab-WABI bioinformatics support

The basic ideas behind the SciLifeLab-WABI support are:

- Any research group at a Swedish university can apply for support. Priority will be given to projects with data generated at SciLifeLab.
- Granted applications will be offered help with bioinformatics data analyses by experienced bioinformaticians for at least 3 months effective time. The same research group can only be granted a maximum of 6 months effective time over a period of two calendar years.
- The support is free of charge. At least one member of the research group must be assigned to work alongside the WABI personnel to ensure transfer of know-how.

The exact amount of time granted will be decided on a case-by-case basis, and a contract will be established stating the responsibilities of each partner. The WABI personnel will be fully integrated members of the research project during the time of the support, taking part in the scientific discussions and participating as co-authors of manuscripts according to normal contribution criteria. All work and analyses done by WABI will be fully available to the research group, including scripts and programs.

Application criteria

Successful applications should fulfil the following main criteria

- **Scientific quality**
A scientific advisory board with national delegates will score the scientific quality of the project.
- **Feasibility**
The WABI management will evaluate if the support team has the technical expertise needed to contribute to the project.
- **Involvement**
The applying party must assign at least one scientist from their group to take part in the bioinformatics work to ensure efficient knowledge transfer and longevity of the project beyond the time of the granted support.
- **Data availability**
For logistic reasons, priority will be given to projects with the bulk of the data already delivered.

It is advantageous but not strictly required, that the scientist(s) assigned from the applicant's side have some experience in working in a unix/linux environment and/or has some previous experience in scripting. Previous knowledge in bioinformatics is not a factor in the evaluation process.

How to apply

Applications can be made at any time, by sending the “SciLifeLab Bioinformatics Long-term Support Application Form” to

bioinformatics_wabi@scilifelab.se

Applications will be reviewed approximately every 4 months, and coming deadlines can be found at the SciLifeLab homepage. Projects not granted support, or projects with previous support granted but in need of further assistance, are welcome to re-apply.

Questions

For questions, please visit our homepage
www.scilifelab.se/platforms/bioinformatics/

or contact
bioinformatics_wabi@scilifelab.se