



X-HiDE start-up grants for projects that capture aspects of molecular and cellular mechanisms in inflammatory phenotypes relevant for diseases

Grant background

The X-HiDE research profile, together with academic and business partners, provides in-depth molecular insight into inflammatory processes based on translational research of experimental biomedicine, medical science and system biology (www.oru.se/X-HiDE). In order to encourage translational projects in the next phase of X-HiDE, we announce a call for start-up grants to stimulate collaborative research that exemplify and define aspects of inflammatory phenotypes within or across diseases, with focus on specific molecular and cellular mechanism.

Grant aims

- To identify pilot studies with the potential to develop into full-scale projects associated to the X-HiDE profile.
- To promote characterization of common and distinct mechanisms of inflammation in a disease, or condition, that capture aspects from one or more inflammatory phenotypes.
- To promote characterization of key molecular and cellular mechanism that allow for translation to model diseases of inflammatory phenotypes.

Who can apply?

Researchers (PhD/MD) and PhD students, with the ambition of exploring molecular or cellular mechanisms involved in diseases or conditions, addressing inflammatory phenotypes, are eligible to apply. Researchers with limited possibility to perform planned analyses themselves may, if motivated in the application, apply for and be offered the support and time by a technician. If a project has received a start-up grant from our previous calls, the call allows researchers to apply for the current grant if a novel and innovative research question addressing the grant aims is presented.

What can be apply for?

The grant is intended to cover running expenses related to experiments, analyses and attainment of specialized novel competence or methodology. Funds may be used for expenses related to salaries for technician performing the analyses, but are not intended to support salaries for involved researchers e.g. the PI.

How much can be apply for?

In this call, grants will be funded with up to approximately 100 000 SEK to be used in 2025. The grants will not be affected by over-head costs.



Evaluation criteria

Projects will be evaluated with regards to how they address the following:

- be of innovative and explorative design.
- address characterization of inflammatory processes seen in a disease, or condition, that capture aspects of inflammatory phenotypes (as described at <https://www.oru.se/english/strategic-initiatives/strategic-research-profiles/x-hide/a-new-concept-of-describing-inflammation/>).
- capture key molecular and cellular mechanism of inflammatory phenotypes using molecular analytical methods.
- contribute to translational research by collaboration between experimental biomedicine, medical science and system biology.
- if possible, include collaboration with X-HiDE external company partner(s).
- priority will be given to projects combining identified model diseases (Sepsis, Systemic Lupus Erythematosus, Cardiovascular Disease and Particle-induced Lung Disease) and molecular focus areas (IL-6 signaling pathways, Inflammasome activation and Monocyte/macrophage responses).

Decision process

A work group with representatives of X-HiDE research council is responsible for the call. Grants will be decided upon by the group in a timely fashion. Unsuccessful applications will receive feedback in order to potentially develop a future collaboration in X-HiDE outside of the present call.

Questions and more information

If you are unsure about the criteria or want to discuss the potential of your project and collaborations in X-HiDE, please do not hesitate to contact us through X-HiDE@oru.se.

Granted applicants will be invited to present their research at a suitable X-HiDE function e.g. open seminars.

How to apply

With the evaluation criteria as a reference, use the template below and submit the application to X-HiDE@oru.se. Label your submission "Start-up grant 2025". The application deadline is 2025-02-01.

1. Background, research question and aim, an outline of the approach including description of the disease/condition, materials, analyses, data collection and processing. A timeline should be presented. (<300 words)
2. Expected outcome. Results and application of data. (<200 words)
3. Available infrastructure, human resources, and additional funding. (<200 words)
4. Main risks and potentials of the project. (<200 words)
5. Aims and expected results related to interests of the X-HiDE profile. (<200 words)



6. Description of key collaborators. (<200 words)
7. Budget. The costs should be defined and motivated. *Overhead costs (OH) are accounted for separately and should not be included in the budget.*

External company partners

Astra Zeneca <https://www.astrazeneca.com/>

DataTera <https://www.datatera.se/>

Genos <https://genos.hr/>

Glycostem Therapeutics <https://www.glycostem.com/>

MatTek <https://www.mattek.com/>

SomaLogic <https://somalogic.com/>

Sprint Bioscience <https://www.sprintbioscience.com/en/>

Qiagen <https://www.qiagen.com/>

VitroCell <https://www.vitrocell.com/>

Wolfram Math Core <https://www.wolframmathcore.com/>