

Research Project Grant – development of methods for replacement, reduction and refinement of animal experiments (3R)

The aim of the project research grant is to give you, as a researcher, the freedom to formulate a research idea, methods and practice, and to solve a specific research task within a limited time. The focus of this grant is aimed at promoting the development of methods for the replacement, reduction and / or refinement of animal experiments according to the 3R principle. The call is published in consultation with the Swedish Board of Agriculture (Jordbruksverket). The Swedish Research Council supports basic research of high quality in national competition.

Summary

Type of grant	Research Project funding
Area	Medicine and Health
Focus area	Development of methods for replacement, reduction and refinement of animal experiments (3R)
Applicant	Single researcher
Participating researchers	A maximum of six researchers may be invited to join the application.
Grant period	1-3 years
Grant amount	Minimum 300,000 SEK per year
Call deadline	15 March 2016 (at 2:00 PM)
Publication of grant award decisions	No later than beginning of November 2016
Grant period start date	January 2017

[Read more about previously awarded grants](#) 

Eligibility criteria for grant applications

You must fulfil the requirements set out below to be eligible to apply for the grant. We will carry out controls in order to ensure that applications that do not adhere to the eligibility criteria are rejected from further processing.

Focus area

It is an absolute requirement that the relevance for this project research grant is to develop methods for the replacement, reduction and/or refinement of animal experiments according to the 3R principle. In the assessment of the applications, besides high scientific quality, relevance to at least one of the three R's must be met. More information on how to present the project's relevance to the research area can be found in the section What must the application contain below.

Applicant

The research project grant is open to individual researchers. You are the project leader and scientific supervisor of the project and your active participation in the project must at least equal 20 percent of a full-time employment. You must hold a Swedish doctoral degree or an equivalent foreign degree. The doctoral degree must have been awarded before the deadline of this call. The date of issue will be considered to be the point in time when all the requirements of the degree were fulfilled for example mandatory courses, the oral public defence of the doctoral thesis and the approved doctoral thesis.

The grant will be administered by a Swedish HEI, or another public organisation in Sweden that fulfils the Swedish Research Council's [requirements for administrating organisations](#). Please note that you will not be able to apply unless your organisation is an approved administrating organisation

If you are awarded funding, you must be employed by the administrating organisation when the grant period begins unless the Swedish Research Council, the administrating organisation or another employer (where applicable) agree otherwise. The employment must at least equal 20 % of a full-time employment. You do not have to be employed by the administrating organisation when the application is submitted.

Number of applications and previous grants

The eligibility criteria under this section only apply for you as the applicant and project leader, not as participating researcher.

What grants may I apply for simultaneously?

You may only submit one application for this grant under this call for applications. However, you can apply for Research project grants with other focus areas (for 2016 this includes: Energy-oriented basic research, Development research, Sustainability and resilience, Artistic research, Conditions for growth, Culture and cultural heritage as well as Research on racism) provided that the project idea is different. Other restrictions in regard to grants that are eligible in parallel in the same year are presented in the table below.

Table: [Grants that can be applied for in parallel](#)

What eligibility criteria apply to holders of ongoing research grants from the Swedish Research Council?

There are certain restrictions if you are the project leader of an already awarded and ongoing grant, with a grant period (disbursement period from the Swedish Research Council) overlapping the grant period of the current grant application. Please observe that the period of availability, i.e. the period during which you may draw on the awarded grant, generally is longer than the grant period. You will find information on the rules that apply to your ongoing grant in the "Approval of terms" that you received from the Swedish Research Council.

You may not apply for the project grant targeting the development of methods for the replacement, reduction and/or refinement of animal experiments (3R) if you are currently acting as project leader in an ongoing research project grant with the same focus. See the table below for further information on grants that are eligible for holders of ongoing grants.

Table: Grants eligible for applicants with ongoing grants 

N.B.: If you have been project leader for grants from the Swedish Research Council before, you will only be able to apply for a new grant if the final financial report on all previous grants were submitted within the stipulated time period.

For questions as to whether all financial statements have been submitted, please turn to your administrating organisation.

Participating researchers

You may include participating researchers in your application, i.e. researchers with a doctoral degree whose scientific merits and competence will be crucial for the implementation of the proposed research activities. The participating researchers do not have to be employed by a Swedish HEI.

Participating researchers will themselves have to enter the required information into the application system, and link it to the application. Other collaboration partners (where applicable) and their roles shall be presented in the research plan (see instructions under Research plan below).

Costs and grant funding

The applied grant may be used to cover all kinds of project-related costs, e.g. salaries (including your own salary, which must correspond to your participation rate in the project), rental and property costs, operating costs (such as consumables, travel costs including visits to research centres, publishing costs and minor equipment) and depreciation costs. The grant may however not be used for scholarships. If a doctoral student takes part in the project, the grant may not be used to pay for his/her teaching hours.

You may apply for a minimum of 300,000 SEK per year, including indirect costs.

Grant period

You may apply for a grant period of at least one and a maximum of three years, starting from January 2017. First payment is made in January 2017, at the earliest.

How do I apply?

You apply electronically through [Prisma](#) , which is the application system used by the Swedish Research Council. You create an application in the Prisma system by filling out the text fields, retrieving information from your personal account, and by enclosing the required appendices.

In order for you to be able to apply, your organisation must have become an [approved administrating organisation](#)  and created an organisation account in Prisma.

Most of the required steps in the Prisma system are described in the [User Manual](#) and the [FAQ answers](#). We advise you to have a look at these documents when you write your application.

Creating a personal account in Prisma

Before you can apply, you must create a personal account in [Prisma](#), where you will store your personal data and your CV. The information only has to be entered once, and may subsequently be supplemented or amended whenever necessary. The account will also enable you to register your publications for future use. Please note that publications stored in your account cannot be transferred to the application form. This is due to the fact that the publications function is still under development and has not yet been implemented in the Swedish Research Council's calls. The publications list must therefore be presented in the form of an attached PDF file (see instructions under Publications below).

Please remember to create your personal account well in advance. The applications that you register in Prisma will be linked to your personal account.

All other participants, who will be involved in the preparation of the application must also create an individual Prisma account, and agree to their participation. Once that has been done, they will be able to link their account data to the application.

Text

Some text fields are formattable, which means that in those fields you can change the font and size and insert certain tables, formulas and symbols. If you have written the text in advance using Microsoft Word, you will also be able to copy paste the text and keep the initial formatting. Pictures can however not be inserted into the text fields.

All text fields have limitations as to the number of characters and this will be illustrated by means of a counter. If you use too many characters you will not be able to register the application.

Signing

Both you, as applicant, and the official representative of the administrating organisation, must sign the application electronically in the Prisma system. More information can be found under the tab Registering the application below.

What must the application contain?

We ask you to familiarize yourself with the application form in Prisma at the same time as you read through the instructions below.

Language

The scientific assessment of the applications is partly done by foreign peer reviewers. To guarantee a well-functioning procedure and a level playing field in the review process, we therefore ask you to submit your application in English.

Application subsections

The application form contains the following tabs:

- Descriptive data
- Research summary
- Budget and research resources
- Publications (PDF)
- Administrating organisation
- Review panels
- Participants
- CV

Below you will find an outline of the information required under each tab. Mandatory information is marked with an asterisk* in the Prisma system.

Please note that there is a tab in Prisma for retrieval of publications from your personal Prisma account. This is however not used in the call and you may therefore disregard from it.

Descriptive data

Under this tab, you are requested to list the project title in Swedish and English, the project period (number of years), and to select keywords and SCB classification codes. In this section, you are also requested to provide an abstract and a popular science description (cf. instructions below).

Abstract

The research plan abstract should contain a short description of:

- The research activities to be undertaken.
- The project implementation: the project organisation, the time table and the scientific methods to be used.
- The significance of the planned research.

The abstract should include a brief outline of the aim and the implementation of the research activities. Please use a language that can also be understood by somebody with a different scientific background.

The outline may contain a maximum of 1,500 characters, including blank spaces (approximately half an A4 page in Times New Roman, size 12, single spacing).

Popular scientific description

Describe the project in a way that makes it possible to understand for a person not familiar with the subject. Describe why and how the research will be conducted, and explain in what way the new knowledge might be important.

The popular scientific description is an important tool for us when we provide information about research financed by the Swedish Research Council. If your application is approved, we therefore reserve the right to use the description for information purposes.

N.B.: Unlike the rest of the application, the popular scientific description must be written in Swedish.

The description may contain a maximum of 4,500 characters, including blank spaces (approximately one and a half A4 page in Times New Roman, size 12, single spacing).

Research summary

Under this tab, you are requested to enclose your research plan in a PDF format, describe ethical considerations and the relevance to the focus area, and give an account of previous projects funded by the Swedish Research Council.

Ethical considerations

Present the ethical issues raised by the research, and explain how they will be addressed in the research activities. If the research does not raise any ethical issues, this should also be stated. We also ask you to indicate whether the research includes animal experiments, experiments involving human subjects, or the handling of personal data.

N.B.: As from 12 October 2015, anyone who uses genetic resources (genetic material of actual or potential value) and traditional knowledge pertaining to genetic resources, which were accessed after 12 October 2014, shall follow the EU ABS declaration and declare that the resource and the knowledge used have been obtained in line with the applicable legislation, and distribute any benefit deriving from the use thereof in a fair and reasonable way.

Exceptions apply to human genetic resources, material covered by the International Treaty on Plant Genetic Resources for Food and Agriculture, material included in the WHO's Pandemic Influenza Preparedness Framework and genetic material obtained from the Deep Seas.

For questions about the EU ABS declaration, please contact [the Swedish Environmental Protection Agency](#)⁷ (information in Swedish).

Research plan

In this section you are requested to attach your research plan in a PDF format. Please observe that the appendix may only contain one file, with a maximum size of 10 MB.

The research plan should consist of a short but complete description of the research task. The maximum length is ten A4 pages in Times New Roman, font size 12, single spacing, including references. The research plan should be given a forward-looking focus.

The following information must be included under separate headings in the research plan, and be listed in the given order:

- **Purpose and aims:** Present the overall purpose and specific objectives of the research project.
- **Survey of the field:** Outline previous research, either conducted by yourself or by others, as well as earlier research results in the field. Provide key references.
- **Project description:** Summarize the project by describing the theories, methods, time table and implementation. You should also describe the project organisation and clarify your own and any participating researchers' roles in the project. In this section, you may also include other researchers, who are not listed as participants in the application form.
- **Significance:** Describe the project's significance to the research area.
- **Preliminary results:** Describe your own experiments and pre-studies in the research area. If there are no preliminary results, this should also be stated.

Provide information on the following points under a separate heading if you consider them relevant to your application:

- **Equipment:** Describe the basic equipment that you, and the team, will have at your disposal for the project.
- **Need for infrastructure:** Specify the need for international and national infrastructure within the project. Also specify the need for local infrastructure if such equipment depreciation costs are included in the application. [Read more about research infrastructure supported by the Swedish Research Council](#).
- **International and national collaboration:** Describe your and your team's cooperation with Swedish/foreign researchers and research groups. Indicate whether you participate in, or refer to, international cooperation in your research. You may use project grant funds from the Swedish Research Council to co-finance EU projects with a similar aim and direction. Indicate whether such coordination is being envisaged in the research plan.
- **Other grants:** If you intend to apply for several research grants, or if you have an ongoing grant awarded by the Swedish Research Council, you need to clarify how the projects relate to each other. You should also justify why you submit several applications.
- **Independent line of research:** If you are currently - or will be - working in a large group, you are requested to show how your project relates to the other projects of the group. If you continue working on a project, which was fully or partly initiated during your doctoral or postdoctoral studies, you must also describe how your project relates to the research conducted by your former research advisor.
- **Clinical significance:** Describe in what ways the project findings may come into practical and clinical use in the medicine and health area.

Relevance to the call objectives

Describe in what way your project is relevant to, and promotes the development of the field. The 3R relevance must be described in terms of qualitative and quantitative effects. Under the quantitative effects, you may for instance include the estimated reduction in the number of laboratory animals needed once the alternative method has been validated and applied. Under the qualitative effects, you may for example address whether:

- The findings will result in a situation where particularly painful animal tests can be replaced or refined to alleviate the pain?
- The findings could be of general use, or whether they are specific to a limited research area?

- The findings could be implemented nationally or internationally?
- The results obtained may influence the legal framework, or be used in the ethical evaluation of animal tests?
- The project methods are subject to validation and, if so, in what way?

Please note that 3R relevance constitutes an absolute requirement for this call. It is therefore of outmost importance that a well-developed account of the relevance in relation to the 3R concept be provided.

The description may contain a maximum of 4,000 characters including blank spaces (equivalent to approximately one A4 page in Times New Roman, font size 12).

Scientific report for previously awarded research grant

If you are the project leader of an ongoing project grant in the same focus area, subject to disbursements from the Swedish Research Council up to and including 2016, you must submit a preliminary scientific report. This scientific report must contain an account of how the project has progressed so far.

You must provide the project title, the file number, the amounts and the grant period concerned (that is to say the disbursement period applied by the Swedish Research Council, but not the extended period of availability) of the previous project.

You should outline:

- The scientific results obtained so far within the framework of the project that have not yet been reported to the Swedish Research Council.
- The relationship between the ongoing project and the envisaged project (please note that this information should also be provided under the heading "Other grants" in the research plan).
- The accumulated research resources made available for the implementation of the project during the grant period in question. The grant type, the funding body, the grant holder(s) and the amounts concerned (including the project already approved by the Swedish Research Council).

The outline may contain a maximum of 8,000 characters including blank spaces (equivalent to approximately two A4 pages in Times New Roman, font size 12, single line spacing).

Budget and research resources

Under this tab, you are requested to include staffing costs, other costs and other project funding sources (where applicable).

Project staffing

Specify the dedicated time in the project (as a percentage of full-time employment) for all project staff members, both for participating researchers and other personnel. Your dedicated time as project leader must at least equal 20 % of a full-time employment.

You must also include salaries for which you request funding, for yourself and/or other project staff members. Quote the amounts both in proportion to the full-time monthly salary and as actual annual earnings (including

social security contributions). A person that you include in your salary request can, but does not have to, be one of the invited participating researchers. Quote the rounded amounts in SEK.

Other costs

Describe other project-related costs (e.g. rental and property charges, operating costs and depreciation costs). Quote the rounded amounts on an annual basis.

You may evoke depreciation costs relating to equipment that will be used in the project, provided that:

- The equipment has an economic life span of at least three years.
- The acquisition value of the equipment exceeds a certain threshold (please turn to your administrating organisation for information on the amount used by your department).
- The equipment need for the proposed project cannot be met by means of freely available national or international infrastructure.

[Read more about research infrastructure supported by the Swedish Research Council.](#) 

You may only evoke the part of the depreciation costs that corresponds to the use of the equipment in the project for which you request funding. You may not evoke depreciation costs relating to equipment that is fully financed by means of other grants. If you have questions about what qualifies as local research infrastructure, acquisition values, or about how to calculate the depreciation costs, please contact your administrating organisation.

Total project cost

The application system will automatically add up the budget items that you enter in a table. The total amount requested shall also include indirect costs. You will have to add the indirect costs yourself. In this section, you are requested to add other additional project costs (for which you do not request funding within the framework of this call).

For questions as to what qualifies as a direct or indirect cost, please contact your HEI.

Explanation of the proposed budget

Write a brief justification statement for each item in the proposed budget. The outline may contain a maximum of 4,000 characters including blank spaces (equivalent to approximately 1 A4 pages in Times New Roman, font size 12, single line spacing).

Other funding

List any other project funding (either subject to an application or awarded) besides the funding requested under this call. Quote the rounded amounts in SEK.

Publications (PDF)

Under this tab, we ask you to attach your and the participating researchers' publications lists in a PDF format. Please observe that the appendix may only contain one file, with a maximum size of 10 MB. If the attachment contains several files, you will therefore have to join them into a single file.

Include publications made in the last eight years and mark the five publications on each list that are the most relevant to the project with an asterisk (*). Highlight the current researcher's name in bold. Sort the publications under the following numbered headings in the given order:

1. **Peer-reviewed original articles**
2. **Peer-reviewed conference contributions** (the findings presented may not have been reported in other publications).
3. **Monographs**
4. **Research review articles**
5. **Books and book chapters**
6. **Patents:** Enter the patent registration date.
7. **Open access computer programs or databases that you have developed**
8. **Popular science publications including books/presentations**

N.B.: You shall only include articles (or equivalent) that have been published or accepted for publication. The application cannot be complemented with publications after the call has closed.

Administrating organisation

Under this tab, you are requested to list the administrating organisation and the project site. The administrating organisation is the organisation that administers and accounts for the funds of the awarded project under the terms and conditions laid down. The project site is the organisational unit where the project will be based. The administrating organisation and the project site generally correspond to the HEI and the department where the project leader will be employed.

An application can only be linked to an administrating organisation with an approved Prisma account. Unless your administrating organisation already has such an account, you will have to ask it to [apply for an organisation account](#) with the Swedish Research Council.

Please contact your administrating organisation if your project site does not appear on the list. You have to provide the project site information to be able to finalize the registration of the application.

Review panel

Under this tab, you are requested to enter the review panel MH-3R, for the scientific assessment of your application.

[Review panel](#)

Participants

In this section, you may invite participating researchers and administrators to join the application. By participating researcher we refer to a person with a doctoral degree involved in the project and whose scientific merits and competence will be crucial for the implementation of the proposed research activities and will have a key role in the realization of the proposed research. You may include a maximum of six participating researchers in the application. A participating administrator is a person, who does not take part in the project itself but can help you register and edit information in the application.

You may invite participants, who do not yet hold a Prisma account. Each one of them must however open a personal Prisma account to be able to contribute to your application.

All participants must accept the invitation and participating researchers must retrieve and enter their CV data into the application before you can finalize the application registration. Remember to make sure that you use the right email addresses when you send invitations to participants, and that each address is linked to invited person's Prisma account.

CV

Under this tab, you are requested to retrieve and enter relevant CV data stored in your personal Prisma account. Participating researchers (where applicable) have to enter their respective CV data into the application.

The following information must always (where available) be provided in each CV and limited to the number specified:

- **Education:** Graduate studies, specialist degree, as well as basic and advanced education.
- **Professional history:** Current employment and longer relevant positions you have held, postdoctoral visits and research exchanges that are relevant for the described research and any longer interruption in the research that has affected your ability to qualify as a researcher.
- **Merits and awards:** Fellowship, supervised persons (postdocs and postgraduate students; indicate the total number for each category and indicate up to 10 persons that are most relevant), up to 10 of your most relevant awarded competitive grants, up to 10 of your most relevant awards and distinctions, as well as up to 20 potential other merits of relevance to the application.
- **Intellectual property:** E.g., patents and freely available computer programs that you have developed, please indicate up to 10 of your most relevant.

Registering the application

When you open the Registering the application tab, the system will perform a check to verify if any mandatory information is missing and inform you of any need for supplements. The application will not be registered unless you click the Register button.

Remember to use the preview function in order to double-check your application before submitting it!

N.B.: Please note that all invited participants must accept your invitation before you can proceed to register the application. Invitations that have not been accepted have to be removed.

The registered application can then be viewed in your personal Prisma account, under Applications and Applications and grants in the menu. If necessary, a registered application may be de-registered, edited and re-registered up to the call deadline.

You are responsible for ensuring that the application is complete, that is to say that the application form is filled out correctly, the required appendices are submitted, and that the requested information is provided in accordance with the instructions. We ask you to only submit specifically requested information. After the closing date, application addenda will only be accepted in cases where we have asked for supplements.

Signing the application

When you register the application, it will automatically be signed by you in your capacity of project leader. The application must also be signed by the official representative of the administrating organisation in order for it to be considered complete and be processed further in the review process. This representative is normally the head of the department where the research will be conducted, but that will depend on the organisational structure of your administrating organisation.

The signature *of the applicant* confirms that:

- The information contained in the application is correct and in line with the instructions from the Swedish Research Council.
- Any side-line occupation and/or commercial ties have been reported to the administrating organisation, and that no conflict with the principles of good research practice has been established.
- The necessary permits and approvals are in place at the start of the project, e.g. concerning the ethical review.

The signature *of the administrating organisation* confirms that:

- The organisation will accommodate the research and the equipment, and employ the applicant during the time period and to the extent presented in the application.
- The organisation approves the cost estimate presented in the application.
- The project will be conducted in accordance with Swedish law.

The parties must have discussed the above-mentioned points before the representative of the administrating organisation approves and signs the application.

N.B.: The official representative of the administrating organisation must have signed the application in Prisma within a week (seven calendar days) of the application deadline for it to be considered further in the review process.

What happens next?

When the call closes (at 2:00 PM on the final day for submission of applications), the registered application will automatically become final and given a registration number.

Your registered application will automatically be forwarded to the official representative of the administrating organisation, who shall sign the application within a week (seven calendar days) of the application deadline. You will receive an auto-generated email when the application has been signed.

You will find information about the status of the application, the registration number and the application signature under the tab Applications and grants in your account.

Scientific evaluation

The scientific assessment of the application will be made by active researchers. These peer reviewers evaluate each application (in competition with the other applications) on the basis of the assessment criteria established by the Swedish Research Council.

If an application does not comply with the instructions, this will be taken into account in the application review.

[How your application is evaluated](#) [The Swedish Research Council's conflict of interest policy](#) [The Swedish Research Council's gender equality strategy](#)

Decisions

Shortly after the grant funding decisions have been taken, information on the awarded grants will be published on the web page of the Swedish Research Council. After that, a notification of decision and a final statement for your application can be found in your personal account under the tab Applications and grants. The final statement contains the application grading and, in some cases, written comments.

Contact

For questions relating to the application content:

For questions relating to the application content, please contact:

Karin Tegerstedt, e-mail: karin.tegerstedt@vr.se, telephone: 08-546 44 257

Marie Hillerby, e-mail: marie.hillerby@vr.se, telephone: 08-546 44 217

Technical questions

We kindly ask you to first consult the help menu in the Prisma system, where you will find instructions and [FAQs](#) as well as a detailed [user manual](#), which describe most of the required steps in Prisma.

If you cannot find the answer to your technical question in the above-mentioned information material, please contact [our technical support team](#). Please note that depending on the workload, it may take up to 1-2 working days before you get a reply.

