

2020-06-29

INSTRUCTIONS FOR RESEARCH SUPPORT 2020

New:
Extra grant for
research related to covid-19

Special investment in
prevention research

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1 RESEARCH SUPPORT FROM THE SWEDISH HEART-LUNG FOUNDATION

1.1 General Focus

The Swedish Heart-Lung Foundation supports clinically focused research as well as investigations focused on prevention within the areas of cardiac, vascular and pulmonary disease and tuberculosis. The foundation also welcomes applications regarding comorbidity between cancer and cardiovascular disease where the research clearly concerns cardiovascular disease. The foundation does not support research on lung cancer.

Support for basic research with the areas described above can be provided if it has its starting point in clinical issues or if the results can be of importance for clinical activities in the foreseeable future. The Swedish Heart-Lung Foundation's Board has decided that patient focused clinical research should be prioritized. When assessing projects of a more basic research character, the applicant's and the project's connection to current clinical research is therefore included in the assessment. The Swedish Heart-Lung Foundation also find it important that the national quality registers are used in research. Available funds are allocated to those projects that are the most scientifically original, best planned and best fulfil the foundation's focus.

It is the Swedish Heart-Lung Foundation's research council that administers and assesses all research matters except where explicitly stated otherwise. For most of the grants, the research council then give their proposal of grant allocation to the Board of the Swedish Heart-Lung Foundation.

King Oscar II Jubilee Foundation

The Swedish Heart-Lung Foundation has a long-standing collaboration with King Oscar II Jubilee Foundation (OII), which supports research within the field of pulmonary diseases and tuberculosis. The Swedish Heart-Lung Foundation's research council administers and assesses all research matters on behalf of OII. Proposals for allocating grants are subsequently submitted to OII's Board.

Applicants that are awarded funds from OII will receive notification letter and requisition form from OII and not from the Swedish Heart-Lung Foundation. Questions regarding awarded funds from OII are however answered by the Swedish Heart-Lung Foundation.

SCAPIS

SCAPIS is so far the largest research study in Sweden within the areas of cardiac, vascular and pulmonary disease. SCAPIS is also the greatest research initiative of Swedish Heart-Lung Foundation ever, for more information see www.scapis.org.

Covid-19

The Swedish Heart-Lung Foundation has decided to make an extra investment for research related to covid-19. A new grant is instituted for 2020, see chapter 2.11, page 18.

Applications for research support that will be conducted from 2021 and onwards are referred to the ordinary round of grants. This means that the Swedish Heart-

Lung Foundation will also finance research regarding lung infections in the ordinary round of grants.

It is now also possible in an on-going project with funds from the Swedish Heart-Lung Foundation, to change focus to covid-19. In this case the foundation must be informed by an e-mail to forskning@hjärt-lungfonden.se.

1.2 Generic terms for applications

- Application is submitted on the Swedish Heart-Lung Foundation's research web page: www3.hjärt-lungfonden.se
- To be able to apply for funds, the applicant must be employed by a hospital or a university/college in Sweden. The same applies for a fellow applicant. If such a position is not held at the time of applying but will commence at the start of the project period, this should be demonstrated through appending a certificate from the hospital or institution at the time of applying.
- A main applicant shall have the main part of one's duty in Sweden.
- Applications for support for intervention studies as well as register research are welcome.
- Applications where SCAPIS' data service is used and that origins from clinical issues are welcome. If the application comprises national data from SCAPIS it must be clearly stated that one has access to these data. Costs must be explicitly stated in order to avoid costs that are already covered by funds for the main study.

1.3 Generic terms for The Major research grant, Prince Daniel's research grant for promising junior researches, Project grants and Research fellowship

- The grant can be used to fund both the work itself and own salary. (For Research fellowships, standard amounts are applied, see "Standard amounts for 2020", page 5.)
- Holders of multi-year grants must submit an annual report, see "Annual Report", page 27.
- It is possible to apply for The Swedish Heart-Lung Foundation's Major research grant/Prince Daniel's research grant for promising junior researches **and** Project grant, Research fellowship and Monthly research stipends during the same year.
- For year 2020 it is possible to apply for the **extra** grant for covid-19 related research (see chapter 2.11, page 18) and on the same time have an on-going project grant from the Swedish Heart-Lung Foundation.
- It is possible to apply for a project grant for covid-19 related research that is related to cardiovascular disease or lung disease in the ordinary round of grants. It is however not possible to apply for two project grants in the ordinary round of grants except for project grant that is intended for a national project.
- During the years 2020, 2021 and 2022, an additional investment in prevention research in the cardiovascular field is implemented (see Chapter 2.12, page 19). Applications for regular project grants and research fellowship/monthly research stipends in prevention research are treated as usual in the ordinary call for proposals and are not affected by the extra focus on prevention research.

1.4 Standard amounts for 2020

For the grants Research fellowship, Monthly research stipends and Returning grant standard amounts based on based on average salary, social security contributions and indirect costs (OH costs) of 18 percent are used.

The amount relates solely to salary and may not be used for operational budgets or costs other than the relevant salaries.

Practising as	Amount
PhD student	48 000 per month
PhD doctor	53 000 per month
Post Doc	69 000 per month
Resident physician	77 000 per month
Researcher	79 000 per month
Specialist Doctor	105 000 per month

1.5 Dates for announcement 2020

Applications can be submitted until 24.00 on the final application date.

Note! It is not possible to complete the application after the final application date.

Grant	Application period	Date for announcement
The Swedish Heart-Lung Foundation's Major research grant	2020-01-20 – 2020-02-12	June
Prince Daniel's research grant for promising junior researches	2020-02-17 – 2020-03-16	September
Returning grant	2020-02-17 – 2020-03-16	September
Project grant Research fellowship Monthly research stipends Scholarship for research abroad	2020-04-03 – 2020-06-01	December
Travel allowances	Applications for travel allowances shall be submitted during the application period preceding the conference (the first day of the conference is applicable) 6/12 2019 – 31/3 1/4 – 22/6 23/6 – 30/9 1/10 – 4/12	April July October December
Support for educational and informational activities for health care employees	6/12 2019 – 31/3 1/4 – 22/6 23/6 – 30/9 1/10 – 4/12	April July October December
Scientific meetings	All year	Decision is given approximately one to two months after submitted application. During summer, the decision may be given somewhat later.
Extra grant for research related to covid-19	2020-04-22 – 2020-05-07	June
Special investment in prevention research	2020-10-19-2020-11-24	April 2021

2 THE SWEDISH HEART-LUNG FOUNDATION'S DIFFERENT GRANTS

2.1 The Swedish Heart-Lung Foundation's Major research grant

The Swedish Heart-Lung Foundation's objective with this grant is that with a vigorous initiative over a limited period of time create conditions for a decisive research breakthrough within an important research field. It also comprises support for nationally coordinated intervention studies and register research.

The grant is 5 million SEK/year for three years, a total of 15 million SEK.
The main applicant can only be awarded the grant once.

Applications are evaluated by a specially appointed Nordic assessment committee.

For current application period, see "Dates for announcement 2020", page 6.

Conditions:

- The grant is aimed at well-established researchers with a high level of expertise.
- It should be clearly set out how the project is formulated in order to meet the Swedish Heart-Lung Foundation's objective.
- Evaluation of the research program particularly considers originality and likely clinical importance.
- Only the main applicant's CV and publications record shall be enclosed, not for fellow applicants.
- See also generic terms, page 4.

For drafting applications, see "DRAFTING THE APPLICATION" page 21.

2.2 Prince Daniel's research grant for promising junior researchers

The Swedish Heart-Lung Foundation wishes to promote the coming generation of junior researchers, among other things by establishing a grant for particularly promising junior researchers.

The grant is 2 million SEK/year for three years, a total of 6 million SEK.
The main applicant can only be awarded the grant once.

For current application period, see "Dates for announcement 2020", page 6.

Conditions:

- The grant is primarily aimed at researchers with a PhD degree who have not yet obtained a post as a professor.
- Junior researchers are eligible to apply. The grant can be applied for by researchers who are clinically active or by researchers who are not clinically active themselves, but who have a documented collaboration with clinical research.
- Junior researcher refers to 40 years old or less. A somewhat higher age-limit might however be used with respect to clinical duty (appr. 45 years). The Swedish Heart-Lung Foundation's research council always makes an individual assessment of how far the applicant has come in his/her scientific career, future development potential and time allocated for clinical training. A higher age-limit may also be applicable with respect to parental leave.
- See also generic terms, page 4.

For drafting applications, see "DRAFTING THE APPLICATION" page 21.

2.3 Project grant

The Swedish Heart-Lung Foundation provides grants for research projects for a project period of one to three years and for purposes specified in the application.

For current application period, see "Dates for announcement 2020", page 6.

Conditions:

- The same researcher can only in exceptional cases* be the main applicant for more than one project grant during the same period.
- It is possible to apply for a grant for covid-19 related research that is related to cardiovascular disease or lung disease in the ordinary round of grants. It is however **not** possible to apply for two project grants.
- The same research group/institution cannot count on receiving support for two similar projects at the same time.
- Project grants may be used for scholarships provided that the university's rules are followed.
- See also generic terms, page 4.

For drafting applications, see "DRAFTING THE APPLICATION" page 21.

* Applicants with an ongoing grant, can also apply for a **national** project grant as a main applicant. The Swedish Heart-Lung Foundation's research council will then make an assessment case by case.

2.4 Research fellowship

In order to make the decision making of allocating funds for research fellowships and monthly research stipends more flexible, the Swedish Heart-Lung Foundation has decided that an applicant for research fellowships will also be applicant for monthly research stipends. Applications for these grants are submitted at the same time and on the same application form. It is not possible to apply only for research fellowships; however, it is still possible to apply only for monthly research stipends.

The Swedish Heart-Lung Foundation provides grants for a limited number of multi-year posts for researchers. The posts are primarily intended as career development posts for junior researchers who can be expected to occupy leading scientific positions in the future. The fellowships are not intended for those who already hold a position as professor or senior lecturer, and normally not for adjunct professors.

The Swedish Heart-Lung Foundation does not apply a fixed definition of the term junior researcher for research fellowships. The Swedish Heart-Lung Foundation's research council makes an overall assessment of how far the applicant has come in his/her scientific career, future development potential and time allocated for clinical training.

The research fellowships are for six years (it is also possible to apply for only three years.) The research fellowships can be full- or half-time.

For research fellowships standard amounts are used, see "Standard amounts for 2020", page 5.

For current application period, see "Dates for announcement 2020", page 6.

Conditions:

- Researchers with a clear independent profile and qualifications required for appointment as an associate professor, not necessarily med. doctor, are eligible to apply for the Swedish Heart-Lung Foundation's research fellowships. The post can consequently be applied for by researchers who are clinically active or by researchers who are not themselves clinically active, but who have a documented collaboration with clinical research.
- For research fellowships of six years, a new application shall be submitted after three years. This shall be done in connection to the ordinary round of grants. The application shall describe how the work has been carried out and will be assessed separate from other applications.
- See also generic terms, page 4.

2.5 Monthly research stipends

The principal focus for the Swedish Heart-Lung Foundation's research stipends is to allow a greater number of researchers the opportunity to conduct and dedicate time to research.

Stipends can be awarded for a total research period of a three-year period.

For monthly research stipends standard amounts are used, see "Standard amounts for 2020", page 5.

For current application period, see "Dates for announcement 2020", page 6.

There are **two types** of research stipends:

- Research stipends for those who have completed their thesis before the date for application.
- Research stipends for PhD students

Monthly research stipends for those who have completed their thesis

Research stipends are not intended for those who already hold positions as professor or senior lecturer and normally not for adjunct professor either.

Research stipends are not awarded for those who have had a research fellowship for six years.

Conditions for research stipends for those who have completed their thesis:

- The applicant needs to have completed his/her thesis at the time of application,
- Work schedule shall be specified in the application.
- Research stipends for those who have completed their thesis cannot be used for a PhD student.
- See also generic terms, page 4.

Monthly research stipends for PhD students

Monthly research stipends are primarily given to PhD students who are in the latter phase of their thesis work.

Conditions for research stipends for PhD students:

- The grant can be used to finance research time for PhD students who work in Sweden and for foreign post docs.
- Research stipends for PhD students are applied for **by their supervisor** (not the co-supervisor). The supervisor will act as the main applicant in the application and **the PhD student is the fellow applicant.**
- A supervisor may only apply for monthly research stipends for **one** PhD student per application period.
- The application must contain a description of the PhD student's competence to complete the project.
- The PhD students roll should be clearly described in the research program.
- A description of the progress of the thesis work, as well as the date for the review or the planned half-way assessment shall be stated.
- The planned date for the defence of the thesis shall also be indicated.
- The supervisor and the PhD student must both append their CVs.
- The work schedule that is submitted should refer to the PhD student. This is to be specified under a specific heading (step 1 in the application form).
- See also generic terms, page 4.

2.6 Scholarship for research abroad

The Swedish Heart-Lung Foundation awards a limited number of scholarships for research at recognized foreign institutions. These scholarships are awarded for periods of 6-12 months for a maximum of three years.

For current application period, see "Dates for announcement 2020", page 6.

Conditions:

- The scholarship is mainly for researchers with PhDs who are going to do their post-docs.
- A formal invitation from the host institution with an undertaking regarding willingness and possibility of making room for the scholarship holder shall be appended to the application. The invitation shall include a brief description of the project and the focus area for the research.
- Summary and research program shall include a clear description of the scholarship holder's assignments during the period of the scholarship.
- The research program shall clearly set out the significance that the stay will have for the researcher's continued scientific development.
- The scholarship holder's costs for the stay abroad shall be specified in the financial plan, along with any grants from other sources. The amount of the scholarship is determined individually based on the detailed financial plan.
- Extensions to the scholarship can be awarded after a renewed application. Application for extension is made as part of the ordinary round of grants.
- A final report should be submitted after the stay abroad, see "Final Report", page 29.
- See also generic terms, page 4.

2.7 Returning grant

The aim of the grant is to facilitate continued research in Sweden after a post doc visit at a foreign university. The Swedish Heart-Lung Foundation awards a limited number of grants after completion of post docs abroad. The grant is a position equivalent to 50 percent at universities/colleges in Sweden over a period of two years. The remaining time shall be either in a clinical position or financed by the host institution.

For the returning grant standard amounts are used, see "Standard amounts for 2020", page 5.

For current application period, see "Dates for announcement 2020", page 6.

Conditions:

- Only persons with an on-going international post doc position is eligible to apply for this grant.
- Applications must be submitted before the homecoming from abroad.
- Certificate of employment as a clinical practitioner alternatively financing by the host institution shall be appended with the application.
- The grant is applied for jointly by the post doc (main applicant) and the responsible researcher at the host institution (fellow applicant- compulsory). CV and a list of publications for fellow applicant shall be added as appendices.
- The application shall include a short overall research program (max. 5 pages).
- The applicant must hold a PhD degree. The degree must have been awarded a maximum of six years before application date. Special consideration may be given to clinical service and parental leave.
- See also generic terms, page 4.

2.8 Travel allowances

Travel allowances can be applied for:

- Participation in well-established conferences organized by recognized organizations. (In general, travel allowances are not awarded within Sweden, but exceptions can be made for major international conferences that are held in Sweden.)
- Study visits for a shorter period (but at least four weeks) to acquire new research methodology

A maximum of two travel allowances are awarded per applicant and year, this refers to when the trip take place and not when the application is submitted.

Travel within Europe is awarded max. SEK 9,000 and travel outside Europe max. SEK 18,000. For study visits a maximum of SEK 30,000 is awarded.

The allowance may only be used for accommodation and travel, not for salary.

For current application period, see "Dates for announcement 2020", page 6.

Conditions:

- To apply for travel allowances, the applicant must have a connection to a project that is currently supported by the foundation.
- The destination of the travel, the estimated costs and a brief explanation as to the purpose of the trip shall be provided in the application.
- Abstract as well as documentation that the contribution has been accepted shall be appended to the application. If the abstract has not yet been accepted at the time of the application, the acceptance decision should be mailed to the Swedish Heart-Lung Foundation, forskning@hjärt-lungfonden.se, as soon as it arrives.
- A maximum of one travel allowance is awarded per accepted abstract.
- Travel allowances may only be used for the travel specified in the application.
- Applications for travel allowances to participate in less well-known meetings, may result in a request for the meeting program.
- See also generic terms, page 4.

2.9 Support for educational and informational activities for health care employees

This form of support can be applied for by health care employees to arrange educational and informational activities within the cardiac, vascular and pulmonary fields. Support can also be applied for study visits, for example to acquire new research methodology and treatment techniques that directly will benefit patients in the health care system. The aim of this form of support is to develop and emphasize the importance of patient focused research in health care. The support is intended for health care employees such as registered nurses, staff nurses, biomedical analysts and physiotherapists.

The Swedish Heart-Lung Foundation awards a limited number of applications per year.

The maximum amount is 10,000 SEK/year.

For current application period, see "Dates for announcement 2020", page 6.

Conditions:

- To apply for this support, the applicant must have a connection to a project that is currently supported by the foundation.
- There must be a patient focused and clinical basis within the cardiac, vascular or pulmonary fields.
- The application must be made prior to the planned activity.
- Destination/activity, the estimated costs and a brief motivation shall be indicated in the application.
- A letter of invitation from the host clinic, meeting program or course program shall be submitted in connection with the application.
- The support may only be used for activities within Sweden.
- See also generic terms, page 4.

2.10 Scientific meetings

The Swedish Heart-Lung Foundation sees a clear value in being able to provide support for organization of scientific meetings. The purpose is to stimulate scientific development within research fields that the foundation prioritizes, and to create interfaces between researchers.

The Swedish Heart-Lung Foundation primarily supports national meetings which have the aim of stimulating contact and interaction between different research groups in Sweden. It is particularly important to provide junior researchers with the opportunity to meet colleagues from other universities and hospitals.

Applications are evaluated by the Swedish Heart-Lung Foundation's consultation group.

For current application period, see "Dates for announcement 2020", page 6.

Conditions:

- The application must be submitted before the planned activity.
- Support is only provided for scientific meetings where the Swedish Heart-Lung Foundation itself is the sole or distinct main sponsor.
- The application shall include a motivation for the support including budget.
- Preliminary program shall be appended as a PDF file.
- See also generic terms, page 4.

2.11 Extra grant for research related to covid-19

The Swedish Heart-Lung Foundation gives during 2020 researchers the possibility to apply for a grant for projects within covid-19 that is related to cardiovascular disease or lung disease.

The support is applied for as a project grant and a maximum of SEK 500,000 is awarded.

For current application period, see "Dates for announcement 2020", page 6.

Conditions:

- It is only possible to apply for support for research projects that will be conducted during 2020.
- It is possible to apply for this extra grant and on the same time have an on-going project grant from the Swedish Heart-Lung Foundation.
- It is possible to apply for this extra grant and also apply for a project grant in the ordinary round of grants.
- A final report should be submitted, see "Final Report", page 29.
- See also generic terms, page 4.

For drafting applications, see "DRAFTING THE APPLICATION" page 21.

2.12 Special investment in prevention research

The Swedish Heart-Lung Foundation has, through support from the Norhed Foundation, been given the opportunity to implement an additional investment in lifestyle-related intervention as a part of prevention and treatment research in the cardiovascular field. This research field is important as a large proportion of cardiovascular diseases as well as many other common diseases in society are lifestyle related.

To the extent that there is a link between these lifestyle factors and chronic lung disease, studies in these patient groups may also be included in the project.

The appropriation, which focuses primarily on diet and physical activity, applies to both primary and secondary prevention, but also focuses on lifestyle-oriented measures as a part of the treatment of cardiovascular disease.

The grant is preferably applied for in network form involving at least two research groups, and as a project grant (Application Form "Project Grant Prevention Research").

The grant is SEK 2 million per year over a three-year period, a total of SEK 6 million. The main applicant can only be granted the appropriation once.

The applications are assessed by a specially appointed Nordic assessment committee with five international assessors, all with expertise in the field of prevention.

The initiative will run for three years starting in 2021 (the first application period is autumn 2020).

Conditions:

- The application must be written in English
- Applications for regular project grants and research fellowship/monthly research stipends in prevention research are treated as usual in the ordinary call for proposals and are not affected by the extra focus on prevention research.
- A final report should be submitted, see "Final Report", page 29.
- See also generic terms, page 4.

For drafting applications, see "DRAFTING THE APPLICATION" page 21.

3 APPLICATION AND DECISION NOTIFICATION

3.1 Applications

Application is submitted on the Swedish Heart-Lung Foundation's research web page: www3.hjart-lungfonden.se

3.2 Signature

The following applications need to be approved by the Head of Department or equivalent:

- The Swedish Heart-Lung Foundation's Major research grant
- Prince Daniel's research grant for promising junior researchers
- Project grant
- Research fellowships
- Monthly research stipends
- Extra grant for research related to covid-19

The signing is done by Bank ID/Mobile Bank ID/ form. The applicant is responsible for making sure the application is signed. **If signature is missing the application will not be processed.**

The applicant fills in the name and e-mail address of the Head of Department. After the last application date, the Head of Department receives an e-mail regarding signing the application. The application should be signed as soon as possible after the last application date, **however at the latest six days after the last application date.**

3.3 Decision

Decision notification is published on the applicant's account on the Swedish Heart-Lung Foundation's research web page. When a decision has been made an e-mail is sent to the main applicant with a request to log on to the account and read the decision. Award letters including requisition forms are later sent by post to those who have been awarded funds.

3.4 Statement/justification for decision

For most of the grants a so-called triage procedure is used. The 2/3 of the applications with the highest ranking get a justification while the remaining applications don't get any justification.

4 DRAFTING THE APPLICATION

(Primarily for the Swedish Heart-Lung Foundation's Major research grant and project grant, but also applicable for other applications that include the headings listed below.)

4.1 Language

Applications for the *Major research grant and Special investment in prevention research* shall be written in English. For application for project grants and other applications it is optional to write in English or Swedish.

4.2 Popular science summary of the research program

The popular science summary shall **always** be written in Swedish and it must be comprehensible for a person who is not a medical expert. The summary may comprise of a maximum of 2,000 characters.

The purpose of the popular science summary is to assist the Swedish Heart-Lung Foundation in disseminating information about the relevant research to the donors, media, decision-makers and other stakeholders in society.

4.3 Scientific summary of the research program

Briefly describe the project with the headings: Background, Objective, Work plan and Significance. The chapter Objective shall include a clear formulation of hypothesis.

4.4 Clinical basis

The Swedish Heart-Lung Foundation prioritizes projects with a clinical basis. Clearly describe how the project is clinically based.

Describe what is new and original and how the research might lead to direct improvement in health care. Make a realistic assessment of how health care can be affected and include a time perspective.

4.5 Research environment

The Swedish Heart-Lung Foundation's aim is to stimulate cooperation within major research environments and between different fields of knowledge and disciplines.

Describe the research environment clearly and concisely. This entails an account of access to resources, premises, clinical material, patient material and anything else that is required to enable implementation of the project.

Describe the composition of the research group and the individual researchers' responsibility for the research project. Also describe succession in applicable cases.

Established group leader shall describe how junior colleagues are coached. In addition, present the plan for career development of junior researchers. This description is weighed into the assessment of the application.

If a fellow applicant is stated, his/her role in the project shall be clearly described.

4.6 Research program

The research program is to be appended as a PDF file. Write briefly, concisely and clearly. The research program shall be written in at least 12-point font, Times New Roman, and single line spacing. The research program may not exceed 10 A4–pages including references. The maximum file size cannot exceed 5 MB. **Applications which do not meet these requirements will not be assessed.**

Note! For the application “Extra grant for research related to covid-19” the research program may not exceed **5** A4–pages including references.

The research program should comprise the points listed below and follow this disposition:

1. Background
2. Results related to grant previously received
3. Objective – paradigm and main hypothesis
4. Work Plan
5. Preliminary results
6. References

For Research fellowships, Monthly research stipends, Scholarship for research abroad and Returning grant the research program shall also include information about research environment, see chapter 4.5, and information about institutions and co-workers.

1. Background

Start with a brief description of the clinical problem. This is of outmost importance in order to make it possible for the assessors to understand why the research is significant.

- If it is appropriate, indicate previous or provisional results. Only include results that are connected to the main research question.
- Give an account of previous results that are of relevance for the application.
- Point out information that is missing and which justifies conducting the current study.

2. Results related to grant previously received

For projects that have previously received grants, provide a brief account (maximum of 1/3 page) of the project's progress since the previous application. If it is more suitable, this information can also be provided under the heading Background.

3. Objective – paradigm and main hypothesis

The objective shall be clear-cut, distinct and concise. Is the question clearly linked to the background which is provided? Is the question linked to the methodology that will use and to the planned studies? It is usually an advantage to test a clear hypothesis, rather than solely having a descriptive focus.

4. Work Plan

Provide a summary of how the project shall be implemented.

- Describe concisely the principles for those methods used that are not widely recognized.
- Specify statistics, methodology and power calculation when justified.
- Describe methods, patient material and animal models.
- Describe what is unique about the execution.
- Answer your own questions, it demonstrates whether you can see that they might lead to answers.
- Only use a small number of generally accepted abbreviations. Widespread use of abbreviations makes an application difficult to read and is often a disadvantage in the assessment.

5. Provisional results

Concisely describe the provisional results. It might be appropriate to provide this description together with the background or under the heading Results related to grant previously received. Inclusion and presentation of provisional results is particularly important in assessing new projects.

6. References

List references – your own and those of others – which support theory and background in the research program. Be restrictive with references, give a maximum of 20 references. For your own references it is possible to refer to the list of publications in your CV. Regarding formulation of the list of references, see below under “List of publications”.

The headings below are included in the application form:

Financial plan

A summary of the research program's budget/costs shall be presented here, linked to the grant that is being applied for. The Swedish Heart-Lung Foundation places a great deal of importance on the financial plan containing correct information and that the budget is realistic in relation to the grant that is given.

Specify funds received from other sources, staff costs, operating costs and equipment costs. Inform the Swedish Heart-Lung Foundation if funds have been received from other sources after the close of the application period. This can be done via e-mail to forskning@hjärt-lungfonden.se.

Administration costs

Indirect costs (OH costs) may comprise a maximum of 18 percent of the amount awarded. Example: Amount awarded: SEK 500,000. A maximum of SEK 90,000 may be spent on OH costs.

Comments to the Financial Plan

Describe the project's total costs and existing resources in the form of staff, equipment and premises. Justify the need for support from the Swedish Heart-Lung Foundation in relation to other support received.

CV (to be submitted for main applicant)

CV is to be appended as a PDF file. The file should not exceed two A4 pages. The following headings shall be included:

- Current position, duration of appointment, part of research time in the employment.
- Degree (year)
- Legitimation (year)
- Research registration (year, university, supervisor - Note: only for PhD students)
- Half-way assessment (year - Note: only for PhD students)
- Defence of doctoral thesis (year, university)
- Post-doc education (year, university)
- Specialist expertise (year, specialty)
- Qualifications required for appointment as an associate professor (year, university, subject)
- Supervisor (PhD, Post doc)
- Intermission in research (Specify time period, for e.g.: parental leave, illness or clinical duty.)

List of publications

The list of publications is to be appended as a PDF file. Only state published and accepted works for **the last five years (1st of January 2015 to the date of the application) at most**. Do not state work under review or in manuscript form. Number and sort them chronologically. If there are more than 20 authors, specify the first two authors, the last two authors and your own position in the list of authors.

The list of publications shall be numbered and sorted chronologically under two headings:

1. *Original works* in journals with referee system.
2. *Other works*, leaders, review articles, chapters in textbooks, case descriptions etc.

Abstracts shall not be included in this list.

Literature references shall be detailed according to **the Vancouver system**, stating **the names of all authors**.

Scientific report

This is being filled in if the application is for a project the applicant previously has had funds for. The report shall describe how the work is progressing. Articles and manuscripts submitted can be specified here.

The report shall also be filled in if the applicant changes focus compared to earlier awarded project grant. The report shall then describe the relation to the earlier project and what that grant resulted in.

5 REQUISITION GUIDELINES, PAYMENT AND REPORTING OF RESEARCH SUPPORT

The Swedish Heart-Lung Foundation reserves the right to reconsider and change the given review and amended its decision regarding funds awarded at substantial or repeated offenses against these instructions or other terms and conditions regarding the governing research support.

In case of false, misleading or obvious inadequate information in the application, scientific dishonesty, crimes against established ethic rules within the research area, economic financial irregularity, crimes against laws, regulations, ethical permissions or other conduct or circumstances which entail that, according to the Swedish Heart-Lung Foundation's assessment, the applicant or the project no longer meet the foundation's guidelines or renders the applicant unsuitable as receiver of funds, the Swedish Heart-Lung Foundation may reconsider and change its decision regarding research support and immediately terminate the disbursement of any funds awarded.

On suspicion of dishonesty or fraud within research the institution shall inform the Swedish Heart-Lung Foundation.

5.1 Appeals

The Swedish Heart-Lung Foundation is a private organization. Decisions taken by the foundation's board can consequently not be appealed.

5.2 Indirect costs (OH, overhead costs)

Indirect costs (OH, overhead costs) may comprise a maximum of 18 percent of the amount awarded.

Example: Amount awarded is SEK 500,000. A maximum of SEK 90,000 may be spent on OH costs.

5.3 Requisition and payment of funds awarded

Funds awarded shall be administered by a university or equivalent, except for scholarships for research abroad, travel allowances and skills support for health care personnel, which are paid directly to the scholarship holder/applicant after a requisition has been submitted.

Funds awarded are requisitioned by returning the requisition form received. In most cases, the requisition shall be signed both by the main applicant and by the Head of Department concerned or equivalent. Requisition forms are also available on the Swedish Heart-Lung Foundation's research web page (www3.hjart-lungfonden.se). It is also possible to send in an invoice on awarded funds, but then a signed requisition form must be enclosed.

Multi-year awarded funds is only requisitioned for one year at the time. A new requisition form must be sent in each year. For most of the grants this is done after an annual report has been sent and approved, see "Annual Report", page 27.

In applicable cases human studies must be approved by the ethics committee and animal studies by the animal experimentation ethics committee before the funds can be dispersed. This must be certified on the requisition form.

Payment of requisitions are not done during July.

5.4 Disposal period

Funds awarded are to be utilized by the main applicant specified in the application during the year for which the funds were awarded and the following year. Funds which have not been requisitioned within the disposal period will be returned without prior notification to the Swedish Heart-Lung Foundation.

When a project has been completed, funds that have not been used shall be reported no later than at the end of the disposal period and repaid to the Swedish Heart-Lung Foundation.

If the main applicant moves to another location or is not able to exercise his/her authority for some other reason, the Swedish Heart-Lung Foundation shall be informed. A decision on disposal of the funds is made in each individual case.

5.5 Reporting of funds awarded

The main applicant is responsible for utilization of the funds awarded as well as for the scientific and financial reporting. The rules for this vary between the different type of grants, see the table "Guidelines for scientific and financial reporting of grants" below.

Scientific reporting should normally take place through the list of publications which shall be included in the application for continuation grants and grants for new projects. Articles and abstracts which have not yet generated articles shall be reported.

In those cases where the project is so new that there are not yet any scientific publications, reporting shall be made under the heading "Previous results" in the research program in the application for a continuation grant.

5.6 Guidelines for scientific and financial reporting of grants

Type of grant	Scientific reporting	Financial reporting
The Swedish Heart-Lung Foundation's Major research grant	Annual report year 2 and year 3	A more detailed financial report shall be submitted to the foundation on request
Prince Daniel's research grant for promising junior researches	Annual report year 2 and year 3	A more detailed financial report shall be submitted to the foundation on request
Project grant	Annual report year 2 and year 3 for multi-year grants	A more detailed financial report shall be submitted to the foundation on request
Research fellowship	Annual report year 2 and year 3	A more detailed financial report shall be submitted to the foundation on request

Type of grant	Scientific reporting	Financial reporting
Monthly research stipends	For renewed applications for research stipends	Financial report shall be submitted to the foundation on request
Scholarship for research abroad	Final report after staying abroad	Final report after staying abroad
Returning grant	Reporting is expected to take place in forthcoming project application from the researcher or his/her research group	Financial report shall be submitted on request
Travel allowances	Not needed	Financial report shall be submitted on request
Support for educational and informational activities for health care employees	Not needed	Financial report shall be submitted on request
Scientific meetings	Not needed	Financial report shall be submitted on request
Extra grant for research related to covid-19	Final report	A more detailed financial report shall be submitted to the foundation on request
Special investment in prevention research		

5.7 Annual Report

Applicants that have been awarded a multi-year grant, shall submit an annual report on how the project is progressing before the new financial year. This applies to multi-year project grant, research fellowship, Major research grant and Prince Daniel's research grant for promising junior researchers. The report is to be submitted on the Swedish Heart-Lung Foundation's research web page.

The form is available from November 15th the year before it is to be submitted. The annual report shall be completed no later than January 20th of the new financial year. **Reports that are not received, or not submitted in time result in forfeiture of the grant.**

Under the heading "Nomination of research progress", **one** of the publications that has been of greatest significance during the past year shall be stated. The major part of the research must have been carried out in Sweden. State the publication together with all authors.

The heading "List of publications" refers to **this year's** publications that have relevance to the current project. For each publication state all authors, the title of the work, the title of the journal, volume and pages.

The Swedish Heart-Lung Foundation's Research Council reviews and decides on approval of annual reports. The main applicant receives via e-mail the decision in

mid-February. A new requisition can then be submitted to the Swedish Heart-Lung Foundation.

5.8 Final Report

Scholarship for research abroad

Applicants that have been awarded Scholarship for research abroad shall submit a final report after the stay. The report is to be submitted on the Swedish Heart-Lung Foundation's research web page. The form is available from March 1st and the report should be submitted no later than March 31st the year after the stay abroad.

The report shall contain a description of which costs the scholarship has been used for and a summary of the scientific activity, publications and manuscripts.

The Swedish Heart-Lung Foundation's Research Council reviews and decides on approval of final reports.

Extra grant for research related to covid-19

Applicants that have been awarded Extra grant for research related to covid-19 shall submit a final report. The report is to be submitted on the Swedish Heart-Lung Foundation's research web page. The form is available from March 1st and the report should be submitted no later than March 31st, 2021.

The report shall describe the results of the project.

The Swedish Heart-Lung Foundation's Research Council reviews and decides on approval of final reports.

5.9 Statement of financial support from the Swedish Heart-Lung Foundation

Publication or other presentation of research findings shall state that support has been received from the Swedish Heart-Lung Foundation. The Foundation's name shall be noted as follows and in accordance with the language of the given publication: Hjärt-Lungfonden (The Swedish Heart-Lung Foundation, La Fondation Suèdoise du Coeur et du Poumon, or Schwedische Herz- und Lungenstiftung). The same rules apply for grants from Konung Oscar II: s Jubileumsfond (King Oscar II Jubilee Foundation).