

FRAMTIDENS FORSKNINGsledare

Individual Grant for the Advancement of Research Leaders ("INGVAR Grants")

Aim

The objective of the Swedish Foundation for Strategic Research (SSF) in launching this programme is to support and promote young scientists expected to become future leaders of academic and industrial research in Sweden.

Definition

A research leader is a scientist of the highest standing who also possesses leadership skills such as initiative, ability to take action, management skills and ability to coach co-workers.

Scope

This announcement covers research in all areas relevant to the objective of the Foundation according to its statutes. Thus SSF shall support research in natural science, engineering and medicine and promote the development of strong research environments of the highest international standards with a view to enhancing Sweden's future competitiveness. The areas that presently make up the core of the Foundation's activities are electronics, information technology, life sciences, materials science, production and process technologies and interdisciplinary research that integrates these areas. The present announcement, however, does not exclude other areas within the scope of the Foundation.

Seventeen grants of SEK 6 million each (incl. overhead and VAT) will be allocated, typically for a period of four years (i.e. SEK 1,5 million per annum). Additional funding for another two years will be considered for some of the grantees following an evaluation after three years of funding. Leadership training of the grantees will be arranged.

The grant is intended for innovative research at a Swedish research institution – university or public or private non-profit research institute – of the choice of the grantee, primarily for building a research group, although the grant may be used to cover up to maximum 50 % of the recipient's own salary.

Eligibility

- Applicants must have a PhD degree and appropriate post-doctoral experience
- The programme is open to young scientists in Sweden as well as in other countries, but the supported research shall be performed in Sweden. (A typical “young” scientist is one who has been an active researcher for up to seven years after earning his or her PhD, excluding parental leave or, in the case of MDs, clinical service.)
- Experience from research abroad is a merit. To promote academic mobility, Swedish applicants are encouraged to locate their research to a Swedish department or group other than the one where their PhD was earned.
- For applicants presently working in other countries, evidence must be presented that the applicant will work full-time at a Swedish research institution.
- Women are particularly encouraged to apply. See also additional announcement below: *Grants for Women*.

Application and selection procedure for "INGVAR" grants

The applications will be screened and reviewed in a three-step procedure:

- 1) Pre-proposals will be reviewed by the Selection Committee (see below) and its (Swedish) Expert Panels. The plan is to select around 100 pre-proposals to go on to Step 2.
- 2) The selected pre-proposals will be reviewed by international experts with broad experience and recognition. Out of these reviewed pre-proposals, the Selection Committee and its Expert Panels will select around 40 of the applicants to go on to Step 3.
- 3) The selected applicants will be invited to submit full applications that will be reviewed by international experts. Based upon the reviews, the Selection Committee will arrange interviews with the most highly ranked applicants.

The Board of SSF will make the final granting decision based upon recommendations by the Selection Committee.

The following criteria will be applied in the selection process:

- Scientific quality, originality, innovativeness, interdisciplinarity and feasibility of the proposed research
- Scientific accomplishments and potential of the applicant
- Leadership potential, management and innovation skills
- Strategic relevance of the proposed research to Swedish industry and/or society
- Quality of applicant's national and international networks, experience and recognition

Preliminary time schedule

9 October 2003	Deadline for receipt of pre-proposals to SSF
October – February 2004	Pre-proposals will be reviewed by the Selection Committee and its (Swedish) Expert Panels
February - March	Selection of pre-proposals to be sent for international review
April	Invitation to selected applicants to submit full proposals
August	Full proposals to SSF

Autumn 2004

International review of Full proposals
Interviews with the most highly ranked applicants
Preparation by the Selection Committee
Decision by the Board of SSF

The next announcement is planned to take place in 2006.

Additional Announcement: Grants for Women

To further encourage the participation of women, the Board of SSF has decided to allocate an additional total of SEK 10 million to support a limited number of research projects. The grants are intended for women who rank highly in the selection procedure of the INGVAR programme but do not belong to the top 17 applicants (interest in "Grants for Women" should be indicated on the Application Form).

Selection Committee

The Selection Committee is made up by a chairperson plus the chair and vice chair of each of the four Swedish Expert Panels. The latter will assist the Selection Committee in selecting applicants for international reviews, selection of reviewers and preparing recommendations to the Board of the Foundation.

Based on experiences gathered from the first "INGVAR" selection process three years ago, the Foundation will appoint four Expert Panels to handle the applications. These will deal with (1) Life Science, (2) Life Science Technologies, (3) Information and Production Technologies, and (4) Materials and Electronics, respectively. The members of the Selection Committee are presented below with Panel number in parenthesis. An additional 6-8 members of each Expert Panel will be recruited. All panel members will be announced on SSF's homepage www.stratresearch.se

Members of the Selection Committee

Lena Torell, IVA, chairperson
Claes Wilhelmsson, ex-AstraZeneca (1)
Elisabeth Haggård, SU (1)
Ulf Landegren, UU (2)
Eva Pisa, Sangtec Molecular Diagnostics AB (2)
Margareta Norell Bergendahl, KTH (3)
Magnus Madfors, Ericsson (3)
Ulf Rolander, Sandvik Coromant AB (4)
Per Delsing, Chalmers (4)

The Foundation recognises that there may be research topics within the scope of the Foundation that are not ideally suited to the panel themes given above. Applicants giving reasons why these categories are not applicable may check the "Other" box in the Application Form. This does not mean that additional Expert Panels will be appointed. The Selection Committee will decide about ways to handle such applications in the review process.

Instructions for the Pre-proposal

The pre-proposal shall be written in English and include

Application Form (3 pages):

See the attached form or download it from SSF's homepage www.stratresearch.se where further information on the Foundation will also be found.

Appendix 1: Curriculum vitae (maximum 2 pages, font 12) in the following format

- | | |
|---|---|
| A. Professional preparation | Undergraduate university, Area(s), Degree and year
Graduate university(ies)/department(s), Area(s), Degree and year
Postdoc university(ies)/department(s), Area(s), Time period |
| B. Appointments | A list, in reverse chronological order, of the individual's academic/professional appointments, beginning with the current appointment |
| C. Tutoring experience | Number of PhD's graduated, Licentiates graduated and PhD students in progress |
| D. Networks in academia and industry | Most important international and national cooperation partners (with names and contact details) |
| E. Entrepreneurial achievements | Innovations, etc (NB: List patents, demos, etc, under Appendix 2E!) |
| F. Other merits of relevance | Prizes, awards, invited lectures, etc |
| G. Personal references | Two, with name and full contact details |

Appendix 2: List of publications in the following format

- 1 As some of the Expert Panels will handle applications spanning a wide multidisciplinary spectrum, and as different areas follow different publication patterns, you *may* begin your list of publications by explaining (in 5-10 lines) the pattern of publication that is most typical of your "Main research field" according to page 1 of your Application Form.
- 2 A list of publications according to the scheme below, in which the applicant is to clearly highlight (e.g. with an asterisk) *up to ten contributions* that best illustrate her/his accomplishments in view of the Aim and Definition of the INGVAR programme as stated above.
Give the names of all authors in the same sequence as in the publication and full details as to titles, journals, volume, issue, date of publication. In case of unpublished manuscripts, only those accepted or submitted for publication may be listed, in both cases with name of journal and any further details. Also give website address if the publication is electronically available.
 - A. Original articles in refereed scientific journals
 - B. Original contributions to refereed scientific conferences
 - C. Review articles, book chapters, etc
 - D. Other scientific contributions
 - E. Patents, demos, copyrights, etc
 - F. Software
 - G. "Popular science"

Appendix 3: Letters of Recommendation

Three letters, maximum one page each, in support of the application. The relation between the applicant and the author of the letter shall be clarified. At least one letter shall be written by a scientist established outside Sweden and at least one letter shall come from a scientist established in Sweden. One of the three letters shall be written by the head of the proposed host department.

Appendix 4: Strategic Relevance (approx. half a page)

According to its statutes, the objective of the Foundation is to 'promote the development of important research environments of the highest international standards with a view to enhancing Sweden's long-term competitiveness'. This Appendix shall put the research proposed in a broader context, thereby providing a basis for assessment of its strategic relevance.

What, and how, can the proposed research project contribute to societal development, industry and science in a wider and more long-term perspective?

1. Describe the strategic relevance of the proposal in as concrete terms as possible, identifying or clarifying the following:
 - a) Results, potential applications
 - b) Expected users of results or methods, etc, e.g., scientific colleagues, academic workers in other fields, industry or the public sector, etc
 - c) Time frames – potential contributions of the research work in a short, medium and long term perspective to the development of relevant sectors of Swedish industry or the public sector and society at large
 - d) Potential enhancement of the scientific level of Sweden as a nation
 - e) Effects on graduate training
2. Dissemination: Indicate what methods will be used to disseminate information about results and possible applications to scientific colleagues, stakeholders, a wider audience, etc.

Submission of Pre-proposal

The pre-proposal shall reach the Foundation **by 16.00 hrs on Thursday, 9 October, 2003** on paper in **one original set and 30 complete copies**. The latter are to be printed on plain punched paper and just stapled, *without* any special covers or binders, etc. *The applicant is responsible for checking that all material submitted is ready to use by the Foundation directly upon arrival.*

Further, by the same date, the *Application Form* and *Appendix 4* (i.e. Strategic relevance but not the other appendices) shall be electronically submitted to applications.ingvar@stratresearch.se, *as one file* in PDF format (= Portable Document Format only, *no other formats will be accepted*). The subject line as well as the heading of the attachment shall read "INGVAR, applicant's family name, given name".

- Pre-proposals **must not** be sent by telefax. No complementary material will be accepted after 9 October. *Note that this also refers to letters of recommendation!*
- Please further note that SSF is subject to the principle of public access to official documents (*Offentlighetsprincipen*). Thus avoid submitting material that should not be made public, e.g. information that could prevent patenting.

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Contact persons at SSF

Overall questions

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Questions concerning specific fields

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