

## 駐瑞典代表處教育組 函

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主旨：請協助公告瑞典策略研究基金會首次辦理「瑞典臺灣科研  
合作案補助辦法」如附，並積極鼓勵相關系所踴躍申  
請。

說明：

- 一、我科技部甫與瑞典策略研究基金會(Swedish Foundation for Strategic Research)簽署「科學及技術合作備忘錄」，推動兩國博士生、博士後研究人員、教授之交流、互訪及共同研究。
- 二、瑞典策略研究基金會業公告旨述補助辦法，提撥3千萬瑞典克朗(約新台幣1億元)，補助4至6個臺灣-瑞典共同研究團隊於資訊通信、生命科學和材料科學三項研究領域，進行5至6年的研究計畫。本案申請截止日期為本(108)年12月3日，該基金會將於明春公告審查結果，相關申請細節請詳見補助辦法。

正本：國立臺灣大學、國立政治大學、國立清華大學、國立交通大學、國立嘉義大學、國立臺南護理專科學校、國立臺東專科學校、東吳大學、中原大學、中國文化大學、長庚大學、中華大學、義守大學、世新大學、銘傳大學、大同大學、臺北醫學大學、龍華科技大學、弘光科技大學、中國醫藥大學、高苑科技大學、遠東科



技大學、嘉藥學校財團法人嘉南藥理大學、萬能學校財團法人萬能科技大學、亞太學校財團法人亞太創意技術學院、城市學校財團法人臺北城市科技大學、耕莘健康管理專科學校、育英醫護管理專科學校、聖母醫護管理專科學校、崇仁醫護管理專科學校、亞東技術學院、修平學校財團法人修平科技大學、環球學校財團法人環球科技大學、東方學校財團法人東方設計大學、僑光科技大學、吳鳳學校財團法人吳鳳科技大學、稻江科技暨管理學院、蘭陽技術學院、南榮學校財團法人南榮科技大學、崇右學校財團法人崇右影藝科技大學、華夏學校財團法人華夏科技大學、景文科技大學、法鼓學校財團法人法鼓文理學院、明道學校財團法人明道大學、台北海洋學校財團法人台北海洋科技大學、東南科技大學、南開科技大學、明志科技大學、馬偕學校財團法人馬偕醫學院、東海大學、輔仁大學學校財團法人輔仁大學、淡江大學、逢甲大學、靜宜大學、元智大學、大葉大學、華梵大學、實踐大學、朝陽科技大學、南臺學校財團法人南臺科技大學、高雄醫學大學、南華大學、真理大學、中山醫學大學、慈濟學校財團法人慈濟大學、輔英科技大學、樹德科技大學、長榮大學、中華學校財團法人中華科技大學、廣亞學校財團法人育達科技大學、臺灣觀光學院、中華醫事科技大學、德明財經科技大學、醒吾學校財團法人醒吾科技大學、長庚學校財團法人長庚科技大學、中信學校財團法人中信金融管理學院、黎明技術學院、經國管理暨健康學院、美和學校財團法人美和科技大學、大同技術學院、正修學校財團法人正修科技大學、中國科技大學、大仁科技大學、嶺東科技大學、亞洲大學、開南大學、光宇學校財團法人元培醫事科技大學、佛光大學、台南家專學校財團法人台南應用科技大學、大華學校財團法人大華科技大學、崑山科技大學、玄奘大學、文藻學校財團法人文藻外語大學、大漢技術學院、健行學校財團法人健行科技大學、建國科技大學、仁德醫護管理專科學校、馬偕學校財團法人馬偕醫護管理專科學校、樹人醫護管理專科學校、慈惠醫護管理專科學校、敏惠醫護管理專科學校、新生醫護管理專科學校、中臺科技大學、宏國學校財團法人宏國德霖科技大學、和春技術學院、南亞科技學校財團法人南亞技術學院、中州學校財團法人中州科技大學、聖約翰科技大學、台灣首府學校財團法人台灣首府大學、康寧學校財團法人康寧大學、致理學校財團法人致理科技大學、慈濟學校財團法人慈濟科技大學、國立中山大學、國立成功大學、國立臺灣師範大學、國立中央大學、國立高雄師範大學、國立東華大學、國立臺灣海洋大學、國立空中大學、國立高雄餐旅大學、國立高雄大學、國立高雄科技大學、國立臺北大學、國立臺中科技大學、國立臺北科技大學、國立臺北護理健康大學、國立屏東科技大學、國立暨南國際大學、國立臺灣戲曲學院、國立屏東大學、國立臺北教育大學、國立臺南藝術大學、國立澎湖科技大學、國立聯合大學、國立宜蘭大學、國立臺北商業大學、高雄市立空中大學、國立中正大學、國立彰化師範大學、國立中興大學、國立體育大學、國立陽明大學、國立雲林科技大學、國立臺灣科技大學、國立勤益科技大學、國立臺中教育大學、國立虎尾科技大學、國立臺東大學、國立臺北藝術大學、國立臺灣藝術大學、國立臺南大學、國立金門大學、國立臺灣體育運動大學、臺北市立大學

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文章



SWEDISH FOUNDATION *for*  
STRATEGIC RESEARCH

12 August 2019

## Call for Research Project Proposals

### SSF Sweden-Taiwan Collaborative Research Framework Projects

The Swedish Foundation for Strategic Research (SSF) announces SEK 30 million for one to three framework project(s) each involving 4-6 research groups from Sweden and Taiwan for a period of 5-6 years. The call aims to stimulate bilateral collaborative interdisciplinary research of the highest international quality within the areas of Natural Science, Engineering Sciences or Medicine, for the betterment of society.

#### Background

SSF recognizes the accelerating scientific and technological development in East Asia with large market opportunities. Correspondingly, SSF has established bilateral research cooperation with Japan and South Korea. In order to further strengthen Sweden's position in this dynamic region, it is strategic to promote research exchange also with Taiwan.

#### Scope

This call aims to stimulate bilateral collaborative, interdisciplinary research within natural and engineering sciences or medicine, of relevance to present or future industry and to society. The research must be based on a deeply intertwined collaboration between teams of Swedish and Taiwanese researchers, including exchange.

The selected project(s) will be supported by a grant of maximum SEK 10-30 million for a period of 5-6 years to be used for salaries, research equipment, travel, and running costs according to the needs of the project. Funding for the last 2-3 years will be contingent upon a successful midterm evaluation.

Research areas included in this call that are considered strategic, alone or in combination, are:

- Information, Communication, and Systems Technologies (ICT)
- Life Sciences with a focus on Technologies and Bioengineering
- Materials Research with a focus on new and better functionality and Production.

The project should be based on problem-, challenge- or application-driven research that meet the highest international scientific standards.

### **Strategic relevance**

Strategic relevance is defined here as positive impact on society. The successful project could, for example, provide future enabling technologies for applications, products and services, or medical treatment. Correspondingly, the proposal should meet a significant research challenge and project the utilisation/exploitation of the research results on a 10-15 year horizon. Graduate student training, pre-doc and post-doc exchange as well as secondments of senior researchers between the partner's institutes will also provide impact for industry, clinics and the larger society. This includes providing measures of effectiveness for translation and innovation.

Three percent of the grant is earmarked from SSF for activities towards utilisation efforts of the research results. These funds are only available for the Swedish researchers. It is recommended that the PI:s involve partners that can support such innovation and exploitation activities, like a university innovation office, already at the formulation stage of the proposal.

### **Eligibility**

All projects must be based on an active (existing or newly created) collaboration between, two or three senior Swedish applicants and two or three senior Taiwanese applicants with relevant complementary scientific expertise. The applicants from each country should be from different research group(s), preferably from different departments or universities in the respective country for added interdisciplinary and exchange value. All applicants should take active part in the project and their activities should be at least partly financed by the project budget. In this call the administrative organisation (the Swedish organisation receiving the grant) may transfer maximum 25% of the grant to the Taiwanese applicants' organisations to cover research expenses on their side. The project may be reinforced by grants from the Taiwan side.

The proposal must be submitted by a main applicant, employed to at least 50% by a Swedish university or university college, who has the capacity to assume coordination responsibility for the project during the entire grant period. The applicants must be employed by a Swedish or Taiwanese university, university college, university hospital, or by a public or private non-profit research institute. At least two of the applicants must be employed by a Swedish university or university college.

While project participation from industry, public authorities or other relevant organisations is a positive criterion, such participants cannot be funded by the SSF grant, but may participate on their own budget.

The proposed budget should be a total of maximum MSEK 30 million during five to six years (including overhead). A maximum of 25% of the grant may be used for salary for the main applicant and/or the co-applicants, but only to cover up to a maximum of 25% of the salary of each applicant. Junior participants (PhD students, postdocs or other junior researchers) may be funded by 100% of the salary. A maximum of 10% of the grant may be used for covering cost of expensive equipment and other research infrastructure.

Please note:

- each applicant is allowed to be represented in one application as a main applicant.
- each applicant is allowed to be represented in one application as a co-applicant.
- any one person is allowed to have maximum two SSF-framework grants simultaneously (with an overlap in time of up to three years) as a main applicant.

Proposals not conforming to these conditions will not be considered. It is the responsibility of the main applicant to inform all the co-applicants and to check the proposal for compliance with the rules before submission.

### **Proposal and submission**

The proposal must be written in English and submitted via the SSF application portal at: <http://apply.strategiska.se>. Note that in order to get a complete view of all data required for submission it is necessary to consult the portal. Please log on to the portal well in advance of the deadline. Please also submit the proposal in due time before the deadline. When the proposal is submitted, the system will reject it if some data field is missing. As long as this is done before the application deadline it is possible to submit and re-submit as many times as necessary.

A complete proposal must contain, among other data specified in the portal, a clear purpose statement, a full description of the research plan and full details of the relevant expertise of the participating groups as well as the planned exchange. It should contain a clear account of the strategic significance of the research in the medium to long term, including a plan for utilisation/exploitation efforts that should commence in parallel with the research activities, already from day one in the project.

Each proposal shall clearly describe the state of the art within the area(s) addressed. It is also important for the proposal to give a clear picture of the resources available and to demonstrate that the proposed constellation of research groups will be effective in view of its objectives.

A Letter of Intent from the Head of the main applicant's department is compulsory.

All proposals must be submitted by **14:00 hours (2:00 pm CET) on December 3, 2019**. No additional material will be considered after this deadline.

## **Evaluation**

Proposals will be reviewed by an evaluation committee consisting of generalists and specialists from industry, academia, and research institutes, using the following criteria:

- Conformity to the scope and eligibility as outlined above,
- Scientific quality; originality, strengths, weaknesses, degree of internationalisation and interdisciplinarity, and feasibility of the research plan,
- Strategic relevance, with clear purpose and potential impact of the proposed research to Swedish industry and/or society,
- Qualifications of the applicants and composition of the research team, including exchange and gender balance; previous achievements (science, innovation and entrepreneurship), international experience and networks, and leadership/management of research teams.

## **Timetable**

- Last date for proposals: December 3, 2019, 14:00 CET at the latest
- Decision by the SSF Board: Spring 2020
- Project start: Mid 2020

No additional material submitted after deadline will be considered.

Please note that the Foundation is subject to the Principle of Public Access to Official Records (Offentlighetsprincipen). Thus, applicants should avoid submitting material that they do not wish to be made public, e.g., information that could prevent patenting.

## **Contact persons at SSF:**

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