



ACADEMY
OF FINLAND

SEPTEMBER CALL

6–30 September 2011

The Academy of Finland's mission is to finance high-quality and innovative research aiming at scientific breakthroughs, act as a science and science policy expert and strengthen the position of science and research. Academy funding is based on open competition and independent peer review. In 2011, the Academy will make funding decisions worth about EUR 335 million. Each year, some 6,000 people work on Academy-funded projects. The Academy promotes equality and encourages women in particular to apply for research funding. For more information on the Academy of Finland, go to www.aka.fi/eng.

The Academy of Finland will move on 1–2 September 2011. Our new address is Hakaniemenranta 6, Helsinki. The Academy will be closed during the move. The Information Management Unit will inform you of any interruptions in our services due to the move.



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This call for applications is based on a document on the criteria for research funding decisions annually approved by the Board of the Academy of Finland. The document approved on 12 April 2011 (“Criteria for research funding decisions 2011–2012”) is applied to the calls to be opened in September 2011. The document is available on the Academy’s website under [General decision criteria](#) (in Finnish).

The call for applications is prepared by a working group responsible for information on the Academy’s calls. Riitta Mustonen, Vice President for Research, approved the September 2011 call for applications on 17 June 2011.



Guidelines on application for funding

The Academy's main application rounds are in September and April.

In September, applications are invited for Academy Projects, targeted Academy Projects and research programme projects. In September, funding is also available for personal funding for research posts (Academy Professors, Academy Research Fellows, Postdoctoral Researchers and clinical researchers). Funding may also be available for other purposes.

In April, funding is available for targeted Academy Projects and other purposes. The call for Finnish Centres of Excellence will open in April 2012.

The deadlines for applications for research programmes, doctoral programmes and international calls may differ from the Academy's main application deadlines.

Information on the Academy's funding opportunities is available on the Academy's website under [Funding opportunities](#).

Application guidelines for all calls

Information on open calls is posted on the Academy's website under [Apply now](#). Applicants are advised to check the deadline separately for each call. Applications received after the deadline can only be considered if the delay is due to causes not attributable to the applicant.

Detailed guidelines on how to submit applications are available on the Academy's website:

- 1) [call for applications](#) published twice a year, describing all funding opportunities open for application at that particular time
- 2) [detailed guidelines](#) on how to submit applications
- 3) detailed [guidelines on appendices](#)
- 4) [programme memoranda](#) of research programmes to be launched.

The Academy requires that applicants read and comply with the call for applications and the other guidelines mentioned above before submitting their applications.

Who is eligible to apply?

Academy of Finland research funding is allocated **on the basis of peer review** to the **best** researchers and research teams and to the **most promising** young researchers for carrying out **scientifically ambitious projects**. Funding for Academy Projects is primarily granted to research teams composed of researchers who have already earned their doctorate. In principle, a project to be funded shall serve Finnish research and society or international collaboration.

The applicant (the principal investigator of a research project) for Academy funding must have **the qualifications of a professor or an adjunct professor (docent) or be a researcher with a doctorate**, unless the call indicates or allows otherwise. In some funding opportunities, the applicant is a university or a research institute.



Within the same application round, the Academy will review only one application from one and the same researcher in one of the following funding opportunities:

- Academy Project (principal investigator of a project)
- Academy Project (director of a consortium or sub-project)
- Postdoctoral Researcher
- Academy Research Fellow
- Clinical researcher (targeted funding).

If the applicant does submit more than one application to one or several of the above mentioned funding opportunities, only the first application to arrive will be reviewed. In the case of targeted Academy Projects, decisions on this limitation will be made separately for each call.

Joint funding and full cost model

Academy of Finland research funding is a joint venture in which funds to finance the costs of each project come from at least two sources. In applying for Academy funding, universities, research institutes and other research organisations commit to contributing their percentage of the costs.

In calls where cost calculation is based on the full cost model, the Academy's funding contribution to the project normally comes to no more than 80% of the total costs. This maximum percentage is applied both to the calculation of *estimated* total costs at the application and decision-making stage, and to the calculation of *real* total costs during the course of the project (payment procedure) and upon completion of the project (reporting stage). The percentage is applied to all project costs, that is, to both direct and indirect costs, including the overheads share.

Research funding applications submitted to the Academy shall include a funding plan in accordance with the full cost model, including the amount of funding applied for from the Academy. At the application and decision-making stage, only funding that is confirmed (e.g. through a decision by the body that has granted the funding) is taken into account in the calculation of total project costs. *Costs that do not pass through the books of the site of research shall not be included in total project costs.*

The sections "How to apply" in the call for applications indicate separately for each funding opportunity whether the full cost model or the model for additional costs previously applied by the Academy (an overheads share of 12.5%) is applied to the cost calculation. When the full cost model is applied, applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than the percentage indicated in the call for applications.

Before submitting their applications, applicants shall contact the administration at their own organisation concerning the contribution of the site of research to the funding of their project. After the application deadline, the Academy will request a commitment by the site of research from the person indicated by the applicant.

Guidelines regarding the full cost model are available on the Academy's website under [Full cost model](#).



What is funded?

The Academy will provide funding for research projects only insofar as the institution (e.g. university department) serving as the site of research undertakes to provide the research project with the necessary basic facilities. These are determined on the basis of the nature of the research, but the **usual basic facilities** are the same as those available to other research staff at the institution, such as office and laboratory premises, equipment (incl. computer equipment), and telecommunications, telephone, mailing, copying and library services.

Academy funding granted towards the direct costs of a research project are intended to cover expenses arising from the research team's working hours, research costs, travel, domestic and international cooperation and mobility, and the preparation of international projects. The Academy may provide funding for the VAT costs associated with the project costs only insofar as the funding recipient (usually the principal investigator's host organisation) is not entitled to deduct the VAT costs incurred in its operation. For example, universities are not entitled to deduct these VAT costs, and therefore they can be paid from funding granted by the Academy. For this reason, researchers working at universities shall enter their research costs with VAT costs in their applications. For more information on how to enter VAT in the application form, see [Value Added Tax](#) on the Academy's website.

Academy funding can be used to cover both direct project costs (e.g. direct salaries) and indirect project costs (e.g. costs for premises). Both types of costs are covered with the same percentage.

Personal grants are normally awarded only for work or studies abroad and for a research visit by a foreign researcher to Finland for a maximum of twelve months (with the exception of mobility grants). A research visit exceeding twelve months requires an employment relationship in Finland. Grants are not paid to EU citizens working in Finland. While working in Finland, EU citizens shall have an employment relationship. The recommended amounts of monthly grants and a note concerning taxation are available in Appendix 4 and on the Academy's website under [Grant amounts abroad](#).

In their applications, applicants shall give a **cost estimate** including an estimate of the annual amount of funding needed, itemised by type of expenditure. Applicants shall also include a **funding plan** with their application, that is, all of the funding that has been granted for the project in question and funding provided by the site of research if the project is launched. The funding plan shall be realistic. **The cost estimate shall be justified by type of expenditure in the research plan.**

Salary of principal investigator

Academy funding for research projects is primarily intended for the **salaries of full-time researchers working on the project** and for other project costs.

1. *Principal investigator's salary for research*

The Academy can grant a total of twelve months worth of funding towards the salary of a principal investigator of a research project funded with the Academy's general research grants. The funding towards the salary is granted for purposes of conducting research. The funding is intended to support project implementation and it is granted only for **well-substantiated reasons in terms of research**. These reasons



may include working abroad, returning to Finland, and moving to another research organisation or company in Finland. **The well-substantiated reasons shall be presented in the research plan (section 5, Implementation), together with a clear description of the tasks.** The salary shall be indicated in the application under Funding plan, Salary costs.

2. Incorporating the principal investigator's salary into project costs to be funded
Notwithstanding the above, and in accordance with the full cost model and the research plan, the salary costs of principal investigators can be incorporated into project costs to be funded. These costs **must not be significant in relation to the project's overall costs.** As a rule, a four-year Academy Project must not include more than six months of the principal investigator's effective working hours. This is equivalent to one day a week or 1.5 months a year. The principal investigator's tasks shall be clearly described in the research plan (section 5, Implementation) and the salary shall be indicated in the application under Funding plan, Salary costs.

Funding conditions

The Academy of Finland will provide funding only insofar as the site of research undertakes to provide the researcher with the necessary basic facilities for research.

Academy funding is allocated to the researcher's host organisation. Grants for work abroad (referred to as mobility grants) may also be allocated directly to researchers.

Academy funding to organisations outside the central government (e.g. universities) is classed as discretionary government transfers. Since Academy funding is not allocated to individual researchers but to their host organisation, the host organisation is regarded as the recipient of the transfer, in accordance with the Act on Discretionary Government Transfers, and will accordingly be required to assume all related obligations. The decision to grant a discretionary government transfer is subject to specific conditions, in that the organisation receiving the transfer is permitted to use the transfer in question solely to fund the research carried out by the principal investigator named in the application.

Staff to be hired with Academy research funding must have an employment relationship with the site of research or the organisation that has received the funding.

Applicants must immediately notify the Academy if they receive funding from other sources for the same purpose after the application to the Academy has been submitted.

Detailed conditions and guidelines on the use of funding and reporting are available on the Academy's website under [Use of funding](#).

Commitment by the site of research

The Academy will provide funding for research projects only insofar as the institution serving as the site of research undertakes to provide the research project with the necessary basic facilities, which are the same as those available to other research staff at the institution, such as office and laboratory premises, equipment (incl. computer equipment), and telecommunications, telephone, mailing, copying and library services.



The application includes a commitment by the site of research on which the applicant shall agree in advance with a representative of the site of research. Before submitting their applications, applicants shall determine the funding contribution and the coefficients of the site of research, and agree on them with the commitment issuer. The coefficients indicated in the application will be valid during the whole duration of the project. After the application deadline, the Academy will request a commitment by the site of research from the person indicated in the application. By issuing its commitment, the site of research commits to funding the project with the **percentage presented in the funding plan** and securing the basic facilities for the project. The commitment also applies to the percentages given in the application form, that is, the overheads percentage, the percentage for indirect employee costs and the coefficient for effective working hours.

When the funding is awarded to organisations outside central government (e.g. universities), the site of research undertakes to act as the recipient of the discretionary government transfer on behalf of the applicant and will accordingly be required to assume all related obligations. With respect to applicants for a research post as Academy Professor and Academy Research Fellow, the commitment of the site of research also applies to the use of the researcher's working hours for purposes other than research, to salaries and to other circumstances surrounding the researcher's work.

If funding is not received from any other sources, the site of research shall cover at least 20% of total project costs. If funding is received from other sources, the contributions by other sources must also pass through the books of the site of research.

Detailed guidelines on how to issue a commitment by the site of research online are available on the Academy's website under [Commitment of the site of research](#).

Project collaboration or consortium?

Cooperation between researchers and research teams may be carried out as normal project collaboration. The partners apply independently (with their own applications) for funding for their projects and the cooperation is described in each partner's research plan. *Project collaboration applications are reviewed as separate applications.*

Applicants for research funding may also be consortia composed of research projects working at different sites. A consortium is a fixed-term body of individual sub-projects that work under a joint research plan with a view to generating greater added value through systematic collaboration than through normal project collaboration. Any letters of intent of the consortium and the full application with a joint research and funding plan of the consortium are submitted by the consortium leader. In addition, in the call for applications, the leaders of each consortium sub-project submit their applications that specify the joint research plan in terms of funding. *A consortium application is reviewed at the Academy as one application* and the decision is made by a research council or sub-committee.

Detailed guidelines on how to draft consortium applications and appendices are available on the Academy's website under [Consortium application](#).



The applications of all sub-projects of a consortium shall be submitted before the application deadline. The deadline is non-negotiable. If the application of any sub-project is submitted late, the application of the whole consortium is considered to have been submitted late and will not be processed. The composition of a consortium cannot be changed after the deadline.

International joint project applications and consortia

In international joint project applications that normally involve at least two projects (i.e. a Finnish and a foreign project), the Finnish partner submits a separate application (not a consortium application) in accordance with the application guidelines. A consortium application is submitted only in cases where the Finnish partner is an applicant operating as a consortium composed of several research teams from different sites of research in Finland.

Strategic Centres for Science, Technology and Innovation

In accordance with a decision by the Board of the Academy of Finland, the Academy works to promote high-standard scientific research serving the Strategic Centres for Science, Technology and Innovation (known in Finnish under the abbreviation SHOK) through all its funding instruments (Academy of Finland financial and action plan, [The Academy's Strategic Action Plan for 2012–2015](#), in Finnish). The research may be incorporated as part of a specific Strategic Centre or related to the thematic areas of Strategic Centres. Applications will be reviewed in accordance with the Academy's general procedures and evaluation criteria. The Academy's general evaluation criteria applicable to applicants are available on the Academy's website under [Application processing](#). For more details on the thematic areas of the Strategic Centres for Science, Technology and Innovation, see [Strategic Centres for Science, Technology and Innovation](#).

If an application is tied in with a thematic area of a Strategic Centre, the following special guidelines apply to the application. When submitting their application, applicants select on the list in the online services the Strategic Centre to whose thematic area the research is linked. If applicants indicate that the application is directly affiliated with a Strategic Centre, they shall attach a statement issued by the Strategic Centre as an attachment file with their application. The statement shall confirm that the project is affiliated with the Strategic Centre and give a description of the role and significance of the project for the Centre's operations. If the application is not affiliated with a Strategic Centre but the applicants consider that it serves the Centre's thematic area, they shall justify this in their research plan.

Language of application

The Academy uses mainly foreign experts as scientific reviewers of applications. In order to ensure equal and fluent international peer review of applications and the preparation of funding decisions, applicants are requested to submit their applications in English. However, applicants do have the right to submit their applications in Finnish or Swedish.



Ethical issues

The ethical issues and responsibilities in connection with the application stage are described on the Academy's website under [Ethical guidelines](#). The ethical issues of the research must always be specified in the research plan as they are reviewed as part of the scientific review.

Mobility plan

The application must include a mobility plan. *In the application, under Mobility*, applicants shall describe how the researcher/s within the research project in question intend to carry out national and international mobility serving the research project during the funding period. Applicants for research posts as Postdoctoral Researcher and Academy Research Fellow shall also give an account of their previous mobility (under *Previous mobility*). In addition, *under Partners*, applicants shall describe how foreign researches will participate in the project.

Besides in the application (incl. a detailed description), applicants shall also describe mobility, partners and the use of research infrastructures in the research plan. For detailed guidelines on how to draft a research plan appendix, see [Research plan](#) on the Academy's website.

Materials management plan

The Academy requires that applicants give an account of how the project proposes to obtain its research material, how the material produced by the project will be used and stored and how the subsequent use of the material will be facilitated. The account shall further cover the rights of ownership and use pertaining to the materials utilised and generated by the project. This is referred to as a 'materials management plan', and it shall be presented in connection with the research plan.

It is recommended that research projects funded by the Academy deliver any social science research data they have gathered to the Finnish Social Science Data Archive (FSD), www.fsd.uta.fi. Further, the Academy recommends that any language materials created within the projects be made available for other researchers through the FIN-CLARIN system.

Academy classification of research fields

The Academy adopted a new, more detailed classification of research fields in 2010. This classification is based on Statistics Finland's revised Field of Science and Technology Classification (FOS) and the Academy's previous classification. In addition to their primary field of research, applicants may also indicate four other research fields and sub-categories in their applications, ranked in order of importance. It is important that, in addition to the research field, applicants also give the keywords describing the research and research methods in a free-text section of the application. More information is available on the Academy's website under [Research field classification](#), where also the research fields hosted by the Academy's Research Councils are listed.



Submitting applications, applications pending

Applications for the September 2011 call can be drafted and submitted in the Academy's online services from 6 September 2011 through to the 30 September 2011 at 16.15, if not otherwise indicated in the call for applications. The deadline is non-negotiable.

According to Section 17 of the Finnish Administrative Procedure Act, the sender is responsible for the application arriving by the set deadline. Applications received after the deadline can only be considered if the delay is due to causes not attributable to the applicant. An application is regarded as pending at the Academy when the online application and the appendices defined as obligatory in the online services have been submitted in the online system. The system will indicate the successful submission of an application by sending an email to the address given by the applicant. It is not possible to submit an application in accordance with the full cost model into the Academy's online system if the applicant has entered a higher funding percentage for the Academy than is given in the call for applications. The procedure for submitting an application in the online services is described in detail in the [How to Guide](#).

If there are problems in the online services at the time of application submission, applicants are requested to contact the Academy before the deadline, either by phone or via [Questions and feedback](#) on the Academy's website. To ensure smooth drafting and submission, it is important that applicants submit their applications well in advance of the final deadline.

Applicants shall submit their application in their own name and using their own user identification.

Only the requested appendices are to be appended to an application. The maximum length of appendices indicated in the guidelines must not be exceeded.

Supplementing an application

If applicants notice significant omissions in the application, or if they have, for instance, received a letter of invitation from a foreign university after the deadline, they are urged to immediately contact the presenting official for the funding opportunity in question (the contact person named in the call for applications), who will unlock the application so that relevant additions can be entered. These supplementary additions will be taken into account insofar as it is possible in view of the review, application processing and decision-making process.

Applicants must immediately notify the Academy if they receive funding from other sources for the same purpose after the application to the Academy has been submitted.

Reviewing and not reviewing applications

Academy funding is based on a scientific review of the research plan and the applicant. The evaluation procedure and the criteria applied by the Academy in the review of applications are presented on the Academy's website under [Application processing](#) and [Review of applications](#). Applicants are advised to read these evaluation criteria and any additional guidelines available on the Research Councils' pages.



The Academy may, for justified reasons, decide not to review an application. In considering whether not to review an application, the criteria include the following:

- the application has arrived late
- the application is substantially incomplete after one request for supplementary information
- the applicant or the application does not meet the competence or other key requirements set for the call
- the application is submitted for a purpose for which the Academy does not grant funding
- the application does not belong to the scope of the call
- the application submitted within a research programme call does not belong to the scope of the programme
- the applicant has in the same application round submitted more than one application for one or several of the following funding opportunities: research post as Academy Research Fellow, Postdoctoral Researcher or Academy Project. In this case, only the first application received from that applicant will be reviewed.
- the director of a Centre of Excellence (CoE) is applying for Academy Project funding during the first three years of the six-year CoE funding period; as a general rule this also applies to other researchers closed affiliated with a CoE
- the researcher with a research post as Academy Postdoctoral Researcher applies for a research post as Academy Research Fellow, the term of which would overlap with the Postdoctoral Researcher term for more than four months
- the applicant has not followed the guidelines on reporting on a completed or ongoing research project with Academy funding
- it is clearly evident that for some other reasons the applicant will not be eligible for funding on the basis of the application submitted.

An application not reviewed on these grounds cannot receive funding.

Publicity of applications

Under the Finnish Act on the Openness of Government Activities (621/1999), an application and its appendices constitute a public document, with the exception of research plans, plans of intent, abstracts and progress reports.

Public project description

When a project is granted funding, the Academy will publish a description of the project on its website. The description is drafted by the applicant in connection with the drafting of the application. Finnish- or Swedish-speaking applicants write their descriptions in Finnish or Swedish in the text field given on the online application form. All applicants shall also write the description in English.

The public project description is a means for the Academy and researchers to disseminate information on Academy-funded research. Consequently, it is important that the description be as clear and readable as possible – it should be accessible to a general audience. It shall give the reader a brief summary of the key points of the research; for more details, see [Public description of project](#) on the Academy's website.

The Academy will not edit public project descriptions – it is the applicants themselves who are responsible for the content, clarity and style of their project descriptions.



Decisions and reviews in the online services

The Academy's decision timetables are posted on the Academy's website under [Decision timetables](#). The projects to be funded and the call-specific releases related to the decisions are posted under [Funding decisions](#).

Applicants will receive an automatic **email** message after the funding decision has been made. After receiving this message, applicants can log in **to the online services** with their user identification, select the application on which the decision has been made and see whether the decision is favourable or not. They can also view the conditions related to the funding decision and read the expert reviews on their applications, if such reviews have been drafted.

The online services have been upgraded

The Academy launched its new online services in October 2010.

The old online system will be closed in summer 2011. The applications, decisions and decision notifications of ongoing projects and of projects that have ended in 2005 or thereafter have been transferred to the new online system. In addition, data on projects that have already ended but not yet submitted final reports have been transferred to the new online system.

More information

For each funding opportunity, the call for applications indicates the presenting officials who can give further information. The email addresses are in the format [firstname.lastname@aka.fi](#). Applicants can also use the [Questions and feedback](#) page on the Academy's website.

Contact details

The Academy's street and postal address will change as of 1 September 2011. The Academy's telephone numbers will not change.

Postal address (–31 Aug 2011)	POB 99, 00501 Helsinki
Street address (–31 Aug 2011)	Vilhonvuorenkatu 6
New address (1 Sep 2011–)	Hakaniemenranta 6, POB 131, 00531 Helsinki
Switchboard	+358 9 774 881
Fax	+358 9 7748 8299
Registrar's Office, phone	+358 9 7748 8377
Registrar's Office, office hours	8.00–16.15
Email	kirjaamo@aka.fi
Other emails	firstname.lastname@aka.fi
Website	www.aka.fi/eng
Questions and feedback	Contacts listed in the call for applications, Questions and feedback on our website



Funding open for application in September 2011

1 RESEARCH

1.1 ACADEMY PROJECTS, ALL RESEARCH FIELDS

Aim

Academy Project funding is the key funding opportunity provided by the Academy of Finland for research projects, designed to promote the quality of research, the diversity of research and its capacity for renewal. Academy Project funding provides researchers with an opportunity to carry out scientifically ambitious research, to achieve new breakthroughs and to engage in high-risk research. The aim is attain internationally as high a scientific standard of work as possible and to strengthen the creativity, capacity and impact of research. The funding is granted primarily to teams composed of researchers who have completed their doctorate.

Applicant

The leader of an Academy Project (the principal investigator of a research project) must have *the qualifications of a professor or an adjunct professor (docent)*.

If the principal investigator of a research project does not have an employment relationship with, for example, a university or research institute, he or she shall explain in the application how his or her salary will be covered during the project's funding period. It is the applicant's responsibility to give an account of these details at the application stage.

Funding

Academy funding can be used to cover both the direct and indirect costs of a research project. Academy Project funding is granted towards all direct project costs to cover expenses arising from, for example, the research team's working hours, research costs, travel, national and international cooperation and mobility, work and researcher training abroad, and the preparation of international projects.

In accordance with its strategic objectives, the Academy encourages researchers to engage in international mobility that will support their research, for example, so that a researcher hired to a project works abroad for a fixed period. A project may also hire a foreign researcher who already works in Finland or who will come to work within the Finnish scientific community. The Academy encourages researchers to draft ambitious research plans that cross discipline boundaries and aim at scientific breakthroughs.

Appendix 2 shows the average amount of funding (in euros) granted in recent years for projects and the Research Councils' plans for the funding of projects within the September 2011 call.

Funding period

The funding period starts 1 September 2012. As a rule, the funding is granted for four years.



Special conditions and restrictions

Academy Project funding is primarily intended **for the salaries of researchers who work full-time on the project and for other project costs**. Guidelines regarding the salary of the principal investigator are available on pages 5–6.

In the September 2011 call, from one and the same researcher, the Academy will consider only one application for an Academy Project (incl. a consortium sub-project) or a research post as Academy Research Fellow or Postdoctoral Researcher. If a researcher does submit more than one application for any of these funding opportunities or applies for more than one type of such funding, only the first application received from that applicant will be reviewed. Applications that are not reviewed for this reason will not be eligible for funding.

Applicants who have an ongoing Academy Project (an independent project or a consortium sub-project), a project funded through a general research grant or funding allocated to an Academy Research Fellow or an Academy Professor for hiring a research team, will not be eligible to receive funding for a simultaneous Academy Project except for very compelling reasons. In the September 2011 call, the principal investigator who has an ongoing project funded through a general research grant until 31 December 2012 can, however, be granted Academy Project funding as of 1 September 2012.

The principal investigator of a Centre of Excellence (CoE), or any other researcher closely affiliated with a CoE, is eligible to apply for Academy Project funding only during the second three-year term of the CoE funding. Researchers involved in the Centre of Excellence Programme 2008–2013 are eligible to apply for Academy Project funding within the September 2011 call.

Appendices

See Appendix 1 A, Application appendices.

How to apply

The costs of an Academy Project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

If the applicant is a consortium, see detailed guidelines on the Academy's website under [Consortium application](#). The applications of all sub-projects of a consortium shall be submitted before the deadline. If the application of any sub-project of the consortium is submitted late, the application of the whole consortium is considered to have been submitted late. The composition of the consortium cannot be changed after the deadline.

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable and also applies to consortium sub-projects. Applications are drafted in the [Academy's online services](#), select Open calls > **Academy Project**.



More information

Biosciences and Environment Research Unit

- Science Adviser Jaana Lehtimäki, tel. +358 9 7748 8373
- Science Adviser Kyösti Lempa, tel. +358 9 7748 8248

Culture and Society Research Unit

- Science Adviser Jyrki Hakapää, tel. +358 9 7748 8277
- Science Adviser Tiina Forsman, tel. +358 9 7748 8443
- Science Adviser Kustaa Multamäki, tel. +358 9 7748 8349

Natural Sciences and Engineering Research Unit

- Science Adviser Kati Sulonen, tel. +358 9 7748 8480
- Science Adviser Samuli Hemming, tel. +358 9 7748 8485
- Science Adviser Antti Väihkönen, tel. +358 9 7748 8410

Health Research Unit

- Science Adviser Antti Hautaniemi, tel. +358 9 7748 8287, +358 40 759 9943
- Project Officer Tiina Ahtiainen, tel. +358 9 7748 8340, +358 40 167 7644
- Science Adviser Sara Illman, tel. +358 9 7748 8294, +358 40 012 5236

1.2 TARGETED ACADEMY PROJECTS

Targeted Academy Projects are like normal Academy Projects but with predetermined targets for funding. The Academy Board or Research Councils may decide to direct funding to specific areas where they feel more investment is needed. This may involve objectives such as strengthening a particular discipline, continuing measures following a discipline assessment, securing breakthrough research, increasing the internationalisation of research or supporting the Strategic Centres for Science, Technology and Innovation. The funding can target, for example, international joint calls based on international agreements, ERA-NET calls and any other research field, problem, method development or networking that is deemed important.

The terms applicable to Academy Projects also apply to the applicant, the use of funding, the special conditions and restrictions, and the appendices and application procedure of targeted Academy Projects (if not otherwise stated in the call for applications). However, participation in a targeted call does not inhibit the submission of a simultaneous application to another call, provided that the research plans differ.

1.2.1 DEVELOPMENT RESEARCH

Aim

The Academy of Finland funds problem-oriented and multidisciplinary development research (research on developing countries) together with the Finnish Ministry for Foreign Affairs. In development research, the problems to be studied may derive from the local as well as the global level, or from a search and analysis of the connections between development phenomena at different levels.



Development research describes and interprets various dimensions of development, helps in understanding the obstacles to development and finds ways in which those obstacles can be removed. In practical terms, the aim is to produce knowledge that can help solve problems related to, for example, health, natural resources, the economy and education. On the other hand, knowledge is also needed about the way in which international, national and cultural systems work, and about the limitations that these systems present to and the opportunities they offer for development. These lines of inquiry in development research are not mutually exclusive but complementary.

The foremost aims of Finland's development policy programme, approved by a Government resolution on 18 October 2007, are to eradicate poverty and promote sustainable development in accordance with aims set in the UN Millennium Declaration. In accordance with the general development policy objectives, the themes of the call are:

- eradicating extreme poverty
- ensuring the sustainability of the environment
- combating global health problems
- promoting equality, human rights, democracy and good governance
- improving global security
- increasing economic, social and cultural interaction.

The research may also focus on other themes relevant in terms of the objectives of the call and Finland's development cooperation and development policy objectives, such as critical studies on development policy and objectives, critical examination of development policy coherence and matters related to sustainable development in terms of the natural economy and the economy in general and in social terms.

Applications for research grants for development research are reviewed in accordance with the Academy's general review criteria. Applications are also reviewed in terms of their relevance to the themes indicated in the call and the project's cooperation and contacts with developing countries and their development policy relevance. The application shall include a separate description of the impact and the applicability of the research results.

After the funding has ended, the projects shall submit a research report to the Academy and, in addition, provide information on their publications and key research results to the Ministry for Foreign Affairs.

Funding

See section 1.1, Academy Projects. In addition, funding may also be granted for pilot studies and for the preparation of research projects together with researchers and research institutes based in developing countries. Research projects shall strive for active collaboration with researchers and research institutes in developing countries.

The principal investigator can be granted simultaneous funding for both an Academy Project and a development research project, provided that the projects concern a different theme. If the applicant has an ongoing development research project, he or she can be granted funding for another development research project only for compelling reasons.



Funding period

The funding period starts 1 September 2012. As a rule, the funding is granted for four years.

Appendices

See Appendix 1 A, Application appendices.

How to apply

In this call, the costs of a research project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Development research**.

More information

- Science Adviser Riitta Launonen, tel. +358 9 7748 8229

1.2.2 SUSTAINABLE ECONOMY

The Academy of Finland's Research Councils for Biosciences and Environment and Culture and Society have decided to jointly target funding at research on sustainable economy. Funded projects are expected to study different alternatives for the sustainable use of natural resources in the long run, particularly in terms of the steering and regulation of the economy and its correction mechanisms. The funding is targeted at projects that will investigate the preconditions for sustainable economy on a global and national level as well as from the perspectives of companies, communities and individuals. The projects are further expected to foresight foreseeable challenges (e.g. ageing population, climate change, new global structures of the economy and production, food security in developing countries and environmental threats) and to promote the systematic and integrative analysis of the total impacts of the sustainable use of natural resources. The projects will be highly multidisciplinary, and the Academy recommends that they be carried out as consortium collaboration. The Research Councils are prepared to fund the projects with a total of some EUR 4 million.

Those who receive funding within this sustainable economy call can be granted simultaneous funding for an Academy Project only for compelling reasons.

Funding period

The funding period starts 1 September 2012. As a rule, the funding is granted for four years.



Appendices

See Appendix 1 A, Application appendices.

How to apply

In this call, the costs of a research project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Sustainable economy**.

More information

- Science Adviser Kyösti Lempa, Biosciences and Environment Research Unit, tel. +358 9 7748 8248
- Science Adviser Kustaa Multamäki, Culture and Society Research Unit, tel. +358 9 7748 8349

1.2.3 WIRELESS DATA TRANSFER

Aim

The ever-increasing use of high-speed mobile data networks, wireless sensor networks and new applications for wireless data transfer will also increase the future need for data transfer capacity in wireless networks. The research projects to be funded within this targeted call shall aim at scientific breakthroughs that can help contribute to a more efficient use of the frequency spectrum or develop higher frequency bands for wireless data transfer.

Funding will be granted to research that relates to the so-called physical layer (hardware). The projects can, for example, focus on researching the application of new material, development of active and passive components, antennas or new circuit technologies.

The Academy of Finland's Research Council for Natural Sciences and Engineering is prepared to fund research in this thematic field with a total of EUR 3.5 million.

Funding period

The funding period starts 1 September 2012. As a rule, the funding is granted for four years.

Appendices

See Appendix 1 A, Application appendices.



How to apply

In this call, the costs of a research project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Wireless data transfer**.

More information

- Senior Science Adviser Juha Latikka, Natural Sciences and Engineering Research Unit, tel. +358 9 7748 8475

1.2.4 WIRELESS NETWORKS RESEARCH (ACADEMY OF FINLAND, TEKES, NSF)

The Academy of Finland, Tekes and the US National Science Foundation (NSF) have agreed to jointly support collaboration in the field of wireless networks research. The theme of the joint call is cognitive networks and radio. With the exponential growth of wireless communication, existing telecommunication networks are unable to handle the traffic; they need to be renewed and made more efficient. Cognitive radio, which enables an efficient and optimal utilisation of the radio frequency spectrum, can provide a technological breakthrough that holds great potential for the future of wireless communication.

Those interested in collaboration have drawn up a cooperation plan together with their US-based partner (for NSF guidelines, see www.nsf.gov/funding/preparing). The plan has been submitted both to the NSF and to the Academy in June 2011.

Funding

The Academy is prepared to fund three projects with a total of some EUR 530,000 (\$750,000). As a rule, the two-year projects will start 1 January 2012.

Appendices

See Appendix 1 A, Application appendices.

How to apply

In this call, the costs of a research project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

Please note the non-standard application procedure. The Academy requests those who have expressed their interest to submit their full applications no later than 16 September 2011 at 16.15. The deadline is non-negotiable. In this invitation call,



applicants will also receive more detailed guidelines on how to apply. Applications are drafted in the [Academy's online services](#), select Open calls > **Wireless networks research (Academy of Finland, Tekes, NSF)**.

More information

- Science Adviser Kati Sulonen (Natural Sciences and Engineering Research Unit), tel. +358 9 7748 8480
- Coordinator Elina Juntunen (International Relations Unit), tel. +358 9 7748 8330

1.2.5 NUCLEAR TECHNOLOGY

Aim

The Academy of Finland's Research Council for Natural Sciences and Engineering has decided to target funding at research in nuclear technology. The Research Council has earmarked EUR 2 million for research that will develop new types of nuclear reactors and promote the safety and reliability of nuclear power plants.

Next-generation nuclear technology

Nuclear power based on fission is one of the most realistic energy solutions of mankind. Based on its present decisions, Finland will be using nuclear power for several decades to come. If we want to maintain the position of nuclear power as a competitive energy source even in the future, we must gradually start to use advanced nuclear fuel cycles, as the availability of natural uranium is limited. This requires groundbreaking new approaches and ideas as well as extensive scientific investments. It is important to acquire in-depth knowledge of the potential and limitations of nuclear power technologies.

To be able to build next-generation reactors, both advanced computational and experimental research is needed. Traditional computational methods in reactor physics and thermal hydraulics must be revised and validated so that they can be used for reliable modelling and planning of totally new types of reactors. Key areas of experimental research also include radiochemical separation of isotopes or material research under difficult and challenging circumstances.

Improved nuclear reactor reliability and security

The nuclear power plants that operate and are currently being built in Finland and its neighbouring regions have two types of reactors, i.e. pressurised water (PWR) and boiling water (BWR) reactors. The plants involve complex systems that are based on various physical phenomena and advanced control circuits. Even though the reactors have primarily been built with technologies that have been purchased from outside and developed internationally, their safe use and development, and the revision of the security policies (when needed), requires in-depth understanding and management of these technologies at the local level.

Finland has a wealth of knowledge of and expertise in this research field and in its neighbouring areas. The Research Council for Natural Sciences and Engineering aims through this targeted funding to further improve and strengthen this knowledge base. The research themes of this call include the following phenomena and sub-systems: development, dynamics and regulation of the nuclear process, storage of



nuclear waste, management of radiation in a medium in emergency situations, the ability of the reactor containment building to resist natural phenomena or accidents, coupled multiphysical problems, ageing materials and structures and damage mechanisms, and statistical functional safety assessments at the system and component level.

It is important that the projects to be funded make good use of Finland's participation in international joint projects, such as the Jules Horowitz reactor. Besides cooperation within the EU, it is also important to collaborate with other countries with strong expertise in nuclear technology, such as the US, Russia, China, Japan, India or the Republic of Korea.

Funding

The funding period starts 1 September 2012. As a rule, the funding is granted for four years.

Appendices

See Appendix 1 A, Application appendices.

How to apply

In this call, the costs of a research project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Nuclear technology**.

More information

- Senior Science Adviser Pentti Pulkkinen, Natural Sciences and Engineering Research Unit, tel. +358 9 7748 8342
- Science Adviser Samuli Hemming, Natural Sciences and Engineering Research Unit, tel. +358 9 7748 8485

JOINT CALLS WITH INTERNATIONAL FUNDING AGENCIES

1.2.6 BIOSCIENCES AND ENVIRONMENTAL RESEARCH (ACADEMY OF FINLAND, JSPS)

The Academy of Finland and the Japan Society for the Promotion of Science (JSPS) launch a joint call with a view to promoting Finnish-Japanese research in the field of biosciences and environmental research.

The thematic area of the call covers the following research fields: biochemistry, microbiology, genetics, ecology, biosystematics and biophysiology, forest sciences, food sciences, research into substances hazardous to the environment, research relating to the state of the environment and to environmental protection, geography and



regional studies, and research relating to environmental policy, environmental economy and environmental law.

The aim is to support high-standard, long-term and systematic Finnish-Japanese research collaboration that will promote the creation and strengthening of research collaboration networks between the two countries.

This joint call is arranged every two years and the theme is different for each call, so that all research fields will be covered during four successive calls.

Funding

In this call, funding is granted to no more than four two-year joint projects. The funding is intended towards the salaries of the researchers (only in Finland), researcher mobility, the acquisition of material and research equipment (a maximum of EUR 5,000), other costs (e.g. arranging research workshops and seminars), indirect employee costs, and overheads. The Academy can grant a Finnish research team a maximum of EUR 120,000/project/year, that is, a total of EUR 240,000 for a two-year project.

Funding period

The joint projects are funded for two years. The funding period can start in April 2012–March 2013.

Review of applications

The applications are reviewed in accordance with the Academy's and JSPS' own procedures; for the Academy's part, this means international peer review. The evaluation criteria are:

- scientific quality and innovativeness of the research plan
- significance of the project for the thematic area of the call
- added value generated by Finnish-Japanese research collaboration
- feasibility of the research plan
- scientific merits and results of the Finnish and Japanese researchers/research teams
- applicability of research results.

Joint research plan to national funding agencies

The application shall contain a joint research plan by the Finnish research team and the Japanese research team. The plan shall include a clear description of the planned research collaboration (distribution of work and methods of implementation) and the added value expected from the collaboration. The plan shall also include a joint budget and separate budgets for both partners. The partners shall apply for funding for their own projects from their national funding agencies. Finnish applicants applying for funding from the Academy shall follow the Academy's general application guidelines. Japanese researchers apply for funding from the JSPS in accordance with JSPS guidelines. The Academy advises applicants to make sure that their partner is eligible to apply for funding from the JSPS. The submission deadline is the same in both countries but the Japanese researchers shall check the internal deadline for submitting applications at their university or research institute.



Appendices

Obligatory appendices:

- research plan (individual applications no more than 12 pages, consortium applications no more than 15 pages), including:
 - clear description of the planned research and research collaboration (distribution of work and methods of implementation) and the added value to be expected from the collaboration
 - joint budget of the project and separate budgets for both partners
 - justification for the funding applied for
 - description of researcher training to be carried out within the project
 - mobility plan detailing the research project's national and international mobility during the funding period, describing the involvement of foreign researchers in the project, and explaining how the project intends to transcend international, national, institutional and public/private-sector boundaries
- curriculum vitae for the Finnish applicant, no more than four pages, and curriculum vitae for the Japanese partner, no more than four pages
- lists of publications of the Finnish applicant and the Japanese partner. Clearly indicate the ten most important publications (in both lists) in terms of the research plan.

Case-specific appendices:

- invitation from foreign university or research institute, if the research or part of it will be conducted abroad
- statement by an ethics committee or the Committee on Animal Experimentation (if relevant). The ethical aspects shall always be specified in the research plan.
- statement by a Strategic Centre for Science, Technology and Innovation, confirming that the applicant is affiliated with the Strategic Centre and justifying the significance of the project for the Strategic Centre's operations
- progress report on all Academy-funded research projects headed by the applicant that have not submitted final reports.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see [Appendices](#) on the Academy's website. The appendices are drafted in the same language as the application and appended to the application in the online services under "Appendices". The only exception is the curriculum vitae, which is appended under "Personal data/CV".

How to apply

In this call, the costs of the Finnish research project are calculated according to the full cost model. The costs of the Japanese partner are indicated only in the research plan (section 5, Implementation). Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the Finnish project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

The deadline for applications submitted to the Academy is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Joint project call: biosciences and environmental research (Academy of Finland, JSPS)**.



Japanese partners submit their applications to the JSPS in accordance with JSPS guidelines.

More information

- Senior Science Adviser Tiina Petänen (Biosciences and Environment Research Unit), tel. +358 9 7748 8263
- Science Adviser Ulla Ellmén (International Relations Unit), tel. +358 9 7748 8256

JSPS

- Ms Haruna Hatoyama, kenkyouka13@jps.go.jp, tel. +81 3 3263 1763

1.2.7 INVESTIGATOR-DRIVEN CLINICAL TRIALS (ACADEMY OF FINLAND, SWEDISH RESEARCH COUNCIL)

Aim

The Academy of Finland and the Swedish Research Council launch a joint Finnish-Swedish call supporting investigator-driven clinical trials. The aim of the call is to establish and strengthen bilateral collaborative research projects between clinical medical researchers in Finland and Sweden. The projects are expected to provide added value to existing national research in the area. This added value could be related to, for example, joint data collection or data sharing to increase the number of cases, or to the combining of methodological expertise. A further goal is to strengthen medical research in the two countries so as to maintain a competitive position globally and respond to the grand challenges facing society today.

The disease scope of the present call is not restricted. The proposed studies should involve human participants, be clinically relevant and of excellent scientific quality. The studies can be either interventional or observational. All supported trials should be registered in at least one of the existing databases for clinical trials.

Joint research plan to the Academy

Applications should contain a joint research plan by both the Finnish and the Swedish research teams. The plan shall include a clear description of the planned research collaboration (division of work and methods of implementation) and the **added value** expected from the collaboration. The plan shall also include a joint budget with separate columns for both partners.

Joint bilateral research proposals may be submitted by research teams working at universities (or other higher education institutions), non-university public research institutes, and hospitals. The eligibility of these institutions, together with details of eligible costs (personnel, material, consumables, equipment, travel money, etc), are subject to the administrative requirements of the individual funding organisations and may therefore vary. Clarification may be obtained from the individual funding agencies (Academy of Finland and Swedish Research Council).

Only bilateral projects will be funded. Each proposal must involve a minimum of two research organisations and research teams from both Finland and Sweden. Re-



search teams from other countries and companies may participate in the projects if they are able to secure their own funding. It must be stated clearly in the proposal if these funds are already available. If not, the proposal must include a plan describing how the funding will be obtained before the project starts.

The applications are submitted to the Academy of Finland by the Finnish partner(s), regardless of whether the project leader is from Finland or Sweden. The Academy's general application guidelines shall be followed.

Funding period

While applications will be submitted jointly by research teams from both countries, individual teams will be funded by the funding organisation of their own country. The Academy of Finland and the Swedish Research Council have reserved a total of EUR 3 million for the call, which will be used to fund at least three joint projects. The planned start of the three-year funding is 1 September 2012.

Review of applications

The procedures of the bilateral call, its organisation and the evaluation will follow the established practices of the Academy of Finland. The applications will be evaluated by international peer-review panels appointed by the Academy's Research Council for Health.

Evaluation criteria:

- scientific quality and innovativeness of the research plan
- significance of the project for the thematic area of the call
- added value generated by Finnish-Swedish research collaboration
- feasibility of the research plan
- scientific merits and results of the Finnish and Swedish researchers/research teams
- applicability of research results.

Appendices

Obligatory appendices:

- joint research plan, no more than 15 pages, including
 - a clear description of the planned research and research collaboration (distribution of work and methods of implementation) and the added value generated by collaboration
 - joint budget including separate columns for both partners
 - justification for the funding applied for
 - description of researcher training to be carried out within the project
 - mobility plan detailing the research project's national and international mobility during the funding period, describing the involvement of foreign researchers in the project, and explaining how the project intends to transcend international, national, institutional and public/private-sector boundaries
 - appendix: specific budget(s) for the Swedish partners, prepared following the general guidelines of the Swedish Research Council
- curricula vitae for the Finnish and Swedish applicants, no more than four pages each, combined as one document



- lists of publications of the Finnish and Swedish applicants, combined as one document. Clearly indicate the ten most important publications (in all lists of publications) in terms of the research plan.

Case-specific appendices:

- invitation from foreign university or research institute, if the research or part of it will be conducted outside Finland or Sweden
- statement by an ethics committee or the Committee on Animal Experimentation (if relevant). The ethical aspects shall always be specified in the research plan.
- statement by a Strategic Centre for Science, Technology and Innovation, confirming that the applicant is affiliated with the Strategic Centre and justifying the significance of the project for the Strategic Centre's operations (Finnish applicants only)
- progress report on all Academy-funded research projects headed by the applicant that have not submitted final reports (Finnish applicants only).

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see [Appendices](#) on the Academy's website. The appendices are drafted in the same language as the application and appended to the application in the online services under "Appendices". The only exception is the curriculum vitae, which is appended under "Personal data/CV".

In this call, the costs of the Finnish research project are calculated according to the full cost model. The costs of the Swedish partners (incl. the direct and indirect costs related to salaries and other project-related costs) are given only in a separate appendix to the research plan. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the Finnish project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

If the application involves **more than one Finnish applicant**, the applications shall be drafted according to the detailed guidelines for consortium applications, see [Consortium application](#) on the Academy's website. The appendices are appended only to the application of the consortium leader, but each Finnish applicant must fill in a separate online application form. Please contact the Academy of Finland for further information.

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Joint project call: Investigator-driven clinical trials (Academy of Finland, Swedish Research Council)**.

More information

- Science Adviser Sara Illman (Health Research Unit, Academy of Finland), tel. +358 9 7748 8294
- Coordinator Teresa Ottinger (Medicine and Health, Swedish Research Council), tel. +46 8 546 44 286



1.2.8 MATERIALS SCIENCE AND ENGINEERING RESEARCH (ACADEMY OF FINLAND, NSF)

Aim

The call in the field of materials science between the US National Science Foundation (NSF) and European public research funding agencies is part of the NSF's Materials World Network (MWN) programme. The aim of this annual call is to promote international cooperation between US and European research teams in materials science. The aim is also to establish joint projects of two research teams where one team is from Finland and the other from the US.

The Finnish teams apply for funding from the Academy of Finland and the US teams from the NSF, for a joint research theme. The research plans need not be identical but the work contribution of both teams shall be described in the research plan.

In 2012, the Academy is prepared to fund joint projects in materials science and engineering with the NSF. The Academy's allocation for this purpose is a maximum of EUR 500,000.

Funding period

The funding period starts 1 September 2012. As a rule, the funding is granted for four years.

Appendices

See Appendix 1 A, Application appendices.

How to apply

In this call, the costs of a research project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

The deadline for applications submitted to the Academy is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Joint project call: materials science and engineering (Academy of Finland, NSF)**.

Please note that the deadline for applications to be submitted to the NSF is November 2011.

More information

- Science Adviser Jan Bäckman, tel. +358 9 7748 8394
- NSF: www.nsf.gov/funding/pgm_summ.jsp?pims_id=12820&org=dmr



1.2.9 AGEING RESEARCH: ERA-AGE 2 JCRA

ERA-AGE 2, the European network for ageing research, aims at continuing the development of the European Research Area in the field of ageing research.

The theme of the Joint Call for Research Applications (JCRA) in Ageing is Active and Healthy Ageing Across the Life Course. The aim of the call is support multi- or trans-disciplinary projects in ageing research.

The Academy of Finland funds Finnish projects that are successful in the international call. The Academy's Research Council for Culture and Society has earmarked funding for a maximum of two three-year projects and the Research Council for Health for a maximum of one three-year project.

How to apply

Please note the non-standard application procedure. More detailed application guidelines and terms are available on the [ERA-AGE 2 website](#). Applications shall be submitted via that website. The call was opened in June and the deadline is 3 October 2011.

Finnish applicants shall follow both the international application guidelines and the Academy's general guidelines.

The ERA-AGE 2 call has two stages. The Academy will request Finnish researchers who have been successful in the international review to submit a separate application in the [Academy's online services](#). Guidelines will be given at a later stage.

Applicants are requested to contact the contact persons at the Academy in advance, if they intend to submit an application to this call.

More information

- [ERA-AGE 2/JCRA call](#)
- Science Adviser Antti Hautaniemi (Health Research Unit), tel. +358 9 7748 8287, +358 40 759 9943
- Science Adviser Tiina Forsman (Culture and Society Research Unit), tel. +358 9 7748 8443

1.2.10 JOINT PROGRAMME IN NEURODEGENERATIVE DISEASES (JPND), PILOT CALL

Joint Programming is one of the EU Commission's main initiatives in support of the European Research Area (ERA). It involves building a new approach with the aim of strengthening research funding collaboration and pooling national resources in Europe in the interests of addressing certain specific societal challenges. Joint Programming focuses on urgent European or global challenges that cannot be solved through national measures alone.

The Joint Programme in Neurodegenerative Diseases (JPND) is a European Union member state-led initiative to tackle one of the grand challenges facing Europe today, namely neurodegenerative diseases (incl. Alzheimer's disease). JPND opened its



first call in May 2011 under the theme “Neurodegenerative Diseases – a call for European research projects for the optimisation of biomarkers and harmonisation of their use between clinical centres”. The aim of the call is to establish multinational, collaborative research projects that will add value to existing research through addressing novel approaches to improve and harmonise the use of biomarkers in the area of neurodegenerative disorders.

The Academy of Finland will fund projects that have been successful in the call. The Academy’s Research Council for Health has earmarked funding for a maximum of two three-year projects, a maximum of EUR 300,000 each.

How to apply

Please note the non-standard application procedure. More detailed application guidelines and terms are available on the [JPND website](#) under Initiatives. The applications shall be submitted via that website. **The call is open and the deadline is 5 September 2011. The deadline is non-negotiable.**

Finnish applicants shall follow both the international application guidelines and the Academy’s general guidelines, including the guidelines on the acceptable costs of Academy Projects.

The JPND call has two stages. The Academy will request Finnish researchers who have been successful in the international review to submit a separate application in the [Academy’s online services](#). Guidelines will be given at a later stage.

Applicants are requested to contact the contact person at the Academy in advance, if they intend to submit an application to this call.

More information

- [Joint Programming on Neurodegenerative Diseases JPND call](#)
- Science Adviser Antti Hautaniemi (Health Research Unit), tel. +358 9 7748 8287, +358 40 759 9943
- [Joint Programming on the EU Commission’s website](#)
- [Joint Programming on the Academy’s website](#)

1.3 ACADEMY RESEARCH PROGRAMMES

1.3.1 SUSTAINABLE GOVERNANCE OF AQUATIC RESOURCES (AKVA), LETTERS OF INTENT

Water research is a broad concept involving a number of scientific disciplines and sectors. Consequently, water and water-related issues cannot solely be viewed as a separate field. Water, in a broad sense, has been defined as one of the grand challenges facing society. We need more water research to be able to maintain a sufficient supply of water in the future and to meet the global need for clean water. What is more, northern regions and societies face their own particular challenges in securing the position of water as a natural resource for the future.



This Academy of Finland research programme is based on recommendations from an assessment of the scientific quality of Finnish water research as well as on a recognised need for funding in the water sector. The research programme will help improve the national coordination of water research in Finland. The scientific quality of Finnish water research is considered to be of a high standard. However, there is also a need for increased interdisciplinarity. This research programme is expected to respond to this need and to bridge the gap between researchers and end-users.

The key aims of the research programme:

- to fund scientific research that contributes to securing the supply of water and maintaining water security
- to upgrade the scientific standard of Finnish water research and simultaneously to aim to achieve societal impact. The programme will establish and strengthen national and international networks with a view to supporting the scientific quality of research.
- to bring together top-level knowledge and know-how from different disciplines. The interdisciplinary approach requires that the selected projects approach their topics systemically or at least multidisciplinarily.
- to study, analyse and synthesise the water sector as a whole. The focus is on the sustainable management of aquatic resources in order to meet the future need for water and water protection.

Thematic areas

The thematic areas of the research programme will form a set of research projects that will contribute to implementing the programme's objectives. The funded projects will be expected to reflect the highly inter- and multidisciplinary nature of the research programme. At its best, the programme will involve active collaboration between traditional water sciences, cultural research, the social sciences, traditional natural sciences, public health science and engineering sciences.

The projects selected to the programme are encouraged to identify potential and contacts that could support decision-making and innovations. The three key thematic areas of the programme combine several different research approaches that involve key competence areas of researchers from a variety of fields.

The funded projects may be linked to one or more of the following themes:

- Pressures of change on aquatic environments and their management
- Ecosystem services in aquatic environments and safeguarding those services
- Sustainable use of aquatic resources in the future.

Applicant

Funding can be applied for by individual research projects and by consortia composed of two or several research teams.

Funding period

The research projects within the AKVA research programme will be funded for four years. The Board of the Academy will decide on the funding for the programme in autumn 2011. The funding period will start 1 June 2012 at the earliest.



Programme memorandum

The programme memorandum contains more detailed information on the programme's background, aims, themes, detailed application guidelines and the application appendices. The programme memorandum is available on the Academy's website at www.aka.fi/akva, or upon request from the Registrar's Office of the Academy. It is essential to carefully read the programme memorandum in order to submit a competitive application.

Appendices

See Appendix 1 B, Appendices to letter of intent.

How to apply

The research programme has a two-stage call. The deadline for letters of intent is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Sustainable Governance of Aquatic Resources (AKVA), letters of intent**.

Projects invited to submit full applications will be selected on the basis of the plans of intent in early December 2011. Applicants requested to submit full applications shall submit their applications in the Academy's online services no later than 15 February 2012 at 16.15. The deadline is non-negotiable.

In this call, the costs of a research project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

More detailed application guidelines are available in the programme memorandum at www.aka.fi/akva.

More information

- Programme Manager Paavo-Petri Ahonen (Programme Unit), tel. +358 9 7748 8285, +358 40 189 6233
- Project Officer Melisa Huhtakangas (Programme Unit), tel. +358 9 7748 8333, +358 40 154 5423
- www.aka.fi/akva

1.3.2 PROGRAMMABLE MATERIALS (OMA), LETTERS OF INTENT

Basic research in biosciences and environmental sciences, in the natural sciences as well as in medical sciences is nowadays increasingly the study of different materials. Experimental and computational methods are used to develop highly complex structures, starting from the understanding of basic phenomena. At the same time, boundaries between traditional materials research and the various host disciplines are becoming less distinct. The future of materials research is one of ever closer interdisciplinary collaboration. In Finland, the field of materials science has continued to



expand and diversify since the turn of the millennium, very much in line with international trends.

The Research Programme on Programmable Materials follows up on the Academy's strong commitment to materials research, but at the same time it focuses research efforts on an area where the future uses and properties of materials are anyone's guess. Here, Finland has an excellent opportunity to bring together knowledge and expertise across disciplinary lines and to discover novel materials.

The aims of the research programme:

- The primary aim is to achieve internationally promising new breakthroughs in programmable materials research.
- Another aim is to identify areas where Finland can be in the international forefront of materials research.
- The research programme aims to integrate Finnish excellence from various disciplines.
- The targets must be ambitious by international standards and of a higher level than the current state-of-the art.
- The aim is also to collaborate with world-leading research teams and promote mobility between research teams.

Thematic areas

Programmable materials constitute a new, emerging field of research. New materials are constantly emerging with advances in nanotechnology and biotechnology, for instance, and programmable materials may revolutionise the utility of functional materials.

The aim is to create a broad-ranging research programme that covers the various fields of research in which new materials properties are relevant and important. The projects selected for inclusion in the research programme can represent pure basic research, without having any immediate applications in mind. On the other hand, the participating projects can also be designed to develop new materials or their properties for some specific purpose.

The concept of programmability in materials can be understood in many different ways, and the programme will not preclude any particular definition of programmability. The programme memorandum provides some examples of potential areas of application.

Project plans for consideration shall aim to describe how the proposed method or technology changes or improves existing ones, and what benefits the use of that method or technology will bring. In particular, it is important to elaborate on how the concept of programmability is understood in the project and on what grounds the applicants consider their project to fall within the scope of this research programme.

Applicant

Funding can be applied for by individual research projects and by consortia composed of two or several research teams.



Funding period

The research projects within the research programme will be funded for four years. The Board of the Academy will decide on the funding for the programme in autumn 2011. The funding period starts 1 June 2012 at the earliest.

Programme memorandum

The programme memorandum contains more detailed information on the programme's background, aims, themes, detailed application guidelines and the application appendices. The programme memorandum is available on the Academy's website at <http://www.aka.fi/oma>, or upon request from the Registrar's Office of the Academy. It is essential to carefully read the programme memorandum in order to submit a competitive application.

Appendices

See Appendix 1 B, Appendices to letter of intent.

How to apply

The research programme has a two-stage call. The deadline for letters of intent is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Programmable Materials (OMA), letters of intent**.

Projects invited to submit full applications will be selected on the basis of the plans of intent in early December 2011. Applicants requested to submit full applications shall submit their applications in the online services no later than 15 February 2012 at 16.15. The deadline is non-negotiable.

In this call, the costs of a research project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

More detailed application guidelines are available in the programme memorandum at www.aka.fi/oma.

More information

- Programme Manager Salla Karvinen (Programme Unit), tel. +358 9 7748 8335, +358 40 591 3518
- Programme Manager Anssi Mälkki (Programme Unit), tel. +358 9 7748 8300, +358 40 702 7921
- Project Officer Melisa Huhtakangas (Programme Unit), tel. +358 9 7748 8333, +358 40 154 5423
- www.aka.fi/oma



1.3.3 COMPUTATIONAL SCIENCE (LASTU), FULL APPLICATIONS

One of the key objectives of the Computational Science Research Programme (LASTU) is to promote the use of computational methods in research and throughout society. The research programme is focused on problem-oriented computational research that aims at resolving problems by using computational methods. The programme aims at promoting interdisciplinary collaboration between sciences applying computational methods and algorithm and methods development. The content and aims of the research programme are presented in the programme memorandum drafted in 2008, which also forms the basis for the present call.

The aims of the research programme:

- promoting the use of computational methods
- improving methodological skills and competencies
- increasing interdisciplinary interaction and collaboration
- enhancing the application of good practices
- international networking.

Thematic areas, focus areas of the second-stage call

The September 2011 call is the second stage of the two-stage call. The applicants to this call have been selected on the basis of the letters of intent submitted in April 2011. The researchers have been sent a separate invitation to this second stage.

In the first call of the research programme, applications were invited from ambitious projects from a wide range of disciplines, particularly from biology, medicine and the social sciences. As regards methodological skills and competencies, a specific focus of the second call is on the development of computational methods, including mathematical modelling and data-intensive computing. In other respects, the content of the second call is in accordance with the original programme memorandum.

Applicant

Funding can be applied for by individual research projects and by consortia composed of two or several research teams.

Funding

The research projects will be funded for four years. The Board of the Academy has decided to allocate EUR 4 million for the programme's 2011 call. As a rule, the funding period will start 1 April 2012.

Programme memorandum

The programme memorandum contains more detailed information on the programme's background, aims, themes, detailed application guidelines and the application appendices. The programme memorandum is available on the Academy's website at www.aka.fi/lastu, or upon request from the Registrar's Office of the Academy. It is essential to carefully read the programme memorandum in order to submit a competitive application.



Appendices

See Appendix 1 A, Application appendices.

How to apply

The projects invited to submit full applications have been selected on the basis of the plans of intent. Applicants selected to the second stage shall submit their full applications in the Academy's online services no later than 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Computational Science LASTU, full applications**.

In this call, the costs of a research project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

More detailed application guidelines are available in the programme memorandum at www.aka.fi/lastu.

More information

- Programme Manager Saira Karvinen (Programme Unit), tel. +358 9 7748 8335, +358 40 591 3518
- Programme Manager Anssi Mälkki (Programme Unit), tel. +358 9 7748 8300, +358 40 702 7921
- Project Officer Ritva Helle (Programme Unit), tel. +358 9 7748 8286, +358 40 586 4679
- www.aka.fi/lastu



2 RESEARCHER

2.1 ACADEMY PROFESSORS

Aim

The aim of the funding for Academy Professors is to facilitate full-time scientific research for internationally top-level researchers. Academy Professors are considered to contribute to the progress of research and the development of a creative research environment.

Applicant

The applicant is a researcher. Research posts as Academy Professor are intended for leading-edge researchers for full-time research and related tasks for a fixed period. Academy Professors pursue their own research plans, supervise the research of their team and provide supervision to junior researchers. The duties of Academy Professors include supervision of thesis and dissertation writers in their own field and teaching associated with their own research, covering 5% of their annual working hours, without separate compensation. The Academy encourages both men and women to apply.

Funding

Academy funding towards the salary of Academy Professors is determined according to a monthly salary of EUR 8,350. In addition, the Academy allocates funding for indirect employee costs. The funding also includes an overheads share of 12.5%.

Those selected for research posts as Academy Professor can submit a separate application for a research grant for research costs to the relevant Research Council, after receiving the decision on their salary funding. This research grant can cover research costs, salary costs of a research team, and national and international collaboration and mobility.

Funding period

A research post as Academy Professor is filled for a maximum of five years at a time. Appointment for a second term is possible only on the basis of exceptionally successful activity and a competitive research plan. The funding period starts 1 January 2013 and ends 31 December 2017 at the latest.

Two-stage call

The call for research posts as Academy Professor has two stages. On the basis of letters of intent, the Academy's Research Councils decide whom they will ask to submit full applications. The full applications are reviewed using international peer review. Decisions on those selected to research posts as Academy Professor and those placed on a reserve list are made by the Board of the Academy.

Appendices

See Appendix 1 B: Appendices to letter of intent.



How to apply

The additional cost model (fixed overheads percentage of 12.5%) is applied to the application for salary funding. Those who are granted salary funding are requested to submit a separate application for research costs in accordance with the full cost model. The Academy's contribution to funding comes to no more than 80% of the total research costs.

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Academy Professor**.

More information

- Science Adviser Timo Sareneva (Biosciences and Environment Research Unit), tel. +358 9 7748 8243
- Senior Science Adviser Raija Matikainen, tel. +358 9 7748 8348, and Senior Science Adviser Hannele Kurki, tel. +358 9 7748 8398 (Culture and Society Research Unit)
- Senior Science Adviser Ritva Taurio (Natural Sciences and Engineering Research Unit), tel. +358 9 7748 8384
- Science Adviser Sara Illman (Health Research Unit), tel. +358 9 7748 8294

2.2 ACADEMY RESEARCH FELLOWS

Aim

The aim of research posts as Academy Research Fellow is to provide an opportunity for the most talented researchers to develop their skills of academic leadership and to establish themselves as independent researchers. At the same time, research posts as Academy Research Fellow gives researchers an excellent opportunity to work independently on their research and to develop the research within their field. Academy Research Fellows are encouraged to engage in international research collaboration and mobility across international and sectoral borders, for example, so that they work part of their term abroad. Applicants for a research post as Academy Research Fellow may also be foreign researchers who already work in Finland or who will come to work within the Finnish scientific community.

The duties of Academy Research Fellows include supervision of thesis and dissertation writers in their own field and teaching associated with their own research, covering 5% of their annual working hours, without separate compensation.

Applicant

The applicant is a researcher who must have completed his or her doctorate no more than 3–9 years ago at the time of the application submission deadline (the doctoral degree certificate must have been issued between 30 September 2002 and 30 September 2008). Applicants who have gained their doctorate more than nine years ago can be considered only for very special reasons, such as maternity, paternity, parental or childcare leave, military service or non-military service, or long-term illness. If



the applicant pleads these special reasons, they must be justified in the application under “Personal data/CV, Degrees, Additional information”. If the reasons are strictly confidential, the applicant shall contact the presenting official (see More information).

Successful applicants will have engaged in active scientific work and published significant contributions since gaining their doctorate.

Funding

Academy funding towards the salary of Academy Research Fellows is determined according to a monthly salary of EUR 4,640. In addition, the Academy allocates funding for indirect employee costs. The funding also includes an overheads share of 12.5%.

Those selected for research posts as Academy Research Fellow can submit a separate application for a research grant for research costs to the relevant Research Council, after receiving the decision on their salary funding. This research grant can be granted to cover research costs, salary costs of a research team, and national and international collaboration and mobility.

Funding period

A research post as Academy Research Fellow is filled for five years. The funding period is 1 September 2012–31 August 2017. The funding period can be changed only for special reasons (see Applicant). One and the same person can be granted Academy Research Fellow funding only once.

Special conditions and restrictions

Research costs of Academy Research Fellows

Separate decisions will be made on the salary and the research costs of Academy Research Fellows. *Those selected* for a research post as Academy Research Fellow are requested to separately submit a detailed budget for research costs. However, a tentative budget for research costs shall also be appended to the application for a research post as Academy Research Fellow as part of the research plan (section 5, Implementation). The research costs are calculated according to the full cost model.

If an Academy Research Fellow is granted funding to set up a research team associated with his or her research post, he or she will not be eligible to receive funding for a simultaneous Academy Project except for very compelling reasons. If a person selected to a research post as Academy Research Fellow already has sufficient funding through other Academy sources, the Research Council will consider the need for additional funding depending on the research plan.

European University Institute

The Academy of Finland and the European University Institute (EUI) have agreed that the EUI can receive one Academy-funded Academy Research Fellow at a time to carry out research at the EUI for 1–2 years. Funding for this opportunity is applied for as part of the five-year research post as Academy Research Fellow. Applicants who are interested in working at the EUI are requested to read about the research conducted at the EUI before applying and to contact the Academy’s science adviser re-



sponsible for EUI issues (see More information) when drafting their application. Applicants need not append any separate invitation from the EUI to their application.

Restrictions

In the September 2011 call, the Academy will consider only one application from one and the same researcher for an Academy Project (incl. a consortium sub-project) and a research post as Academy Research Fellow or Postdoctoral Researcher. If one and the same researcher does submit more than one application for any of these funding opportunities or applies for more than one type of such funding, only the first application received from that applicant will be reviewed. Applications that are not reviewed for this reason will not be eligible for funding.

A researcher who has been granted Academy funding for Postdoctoral Researchers, can be granted a research post as Academy Research Fellow only in special cases, if the two terms would overlap with more than four months.

Appendices

See Appendix 1 A, Application appendices.

How to apply

The additional cost model (fixed overheads percentage of 12.5%) is applied to the application for salary funding. Those who are granted salary funding are requested to submit a separate application for research costs in accordance with the full cost model. The Academy's contribution to funding comes to no more than 80% of the total research costs.

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Academy Research Fellow**.

More information

- Senior Science Adviser Tiina Petänen, tel. +358 9 7748 8263 and Science Adviser Harri Hautala, tel. +358 9 7748 8408 (Biosciences and Environment Research Unit)
- Science Adviser Päivi Messo-Lindén (Culture and Society Research Unit), tel. +358 9 7748 8224
- Science Adviser Jan Bäckman (Natural Sciences and Engineering Research Unit), tel. +358 9 7748 8394
- Science Adviser Aki Salo (Health Research Unit), tel. +358 9 7748 8244
- [research at the EUI](#): Science Adviser Jyrki Hakapää, tel. +358 9 7748 8277

2.3 POSTDOCTORAL RESEARCHERS

Aim

The aim of the funding for research posts as Postdoctoral Researcher is to advance the professional competence and independence of the most promising young researchers who have recently earned their doctorate. Postdoctoral Researchers are



encouraged to mobility and cooperation across international and sectoral borders. The three-year funding period may include one or more mobility spells as well as funding for the researcher's return to Finland. In principle, a project to be funded shall serve Finnish research and society or international collaboration.

The Academy recommends that Postdoctoral Researchers provide supervision of thesis and dissertation writers in their own field and teaching associated with their own field of expertise, covering 5% of their annual working hours, without separate compensation. However, Postdoctoral Researchers should use no more than 10% of their annual working hours for teaching or other tasks not directly associated with their own research.

Applicant

The applicant is a researcher who must have completed his or her doctorate **no more than four years ago** at the time of the application submission deadline (the doctoral degree certificate must have been issued between 30 September 2007 and 30 September 2011). Applicants who have gained their doctorate more than four years ago can be considered only for very special reasons, such as maternity, paternity, parental or childcare leave, military service or non-military service, or long-term illness. If the applicant pleads these special reasons, they must be justified in the application under "Personal data/CV, Degrees, Additional information". If the reasons are strictly confidential, the applicant shall contact the presenting official (see More information).

Funding

The total costs of a research post as Postdoctoral Researcher include funding for a 36-month salary, personal research costs and international and national mobility (e.g. travel and a grant for a stay abroad during the Postdoctoral Researcher term). Funding is not granted for salary costs of other persons.

The applicant and the site of research shall agree on the Postdoctoral Researcher's salary in accordance with the pay system at the site of research. The Academy's contribution to funding comes to no more than 80% of the total costs of the Postdoctoral Researcher's salary and research grants. The average amounts of the funding granted by the Research Councils in the previous call are presented in Appendix 3. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

Funding period

The funding for Postdoctoral Researchers is granted for three years. The funding period is 1 September 2012–31 August 2015. The funding period can be changed only for compelling reasons (see Applicant). One and the same person can be granted personal Postdoctoral Researcher funding only once.

Special conditions and restrictions

In the September 2011 call, the Academy will consider only one application from one and the same researcher for an Academy Project (incl. a consortium sub-project) and a research post as Academy Research Fellow or Postdoctoral Researcher. If one and the same researcher does submit more than one application for any of these funding



opportunities or applies for more than one type of such funding, only the first application received from that applicant will be reviewed. Applications that are not reviewed for this reason will not be eligible for funding. An applicant for a research post as Postdoctoral Researcher can be named as a researcher in the application for Academy Project funding by another applicant, but with a different research plan. Applicants must indicate this in their applications.

European University Institute

The Academy of Finland and the European University Institute (EUI) have agreed that the EUI can receive one or two Academy-funded Postdoctoral Researchers at a time to carry out research at the EUI for 1–2 years. Funding for this opportunity is applied for as part of the three-year research post as Postdoctoral Researcher. Applicants who are interested in working at the EUI are requested to read about the research conducted at the EUI before applying and contact the Academy's science adviser responsible for EUI issues (see More information) when drafting their application. Applicants need not append any separate invitation from the EUI to their application.

Appendices

See Appendix 1 A, Application appendices.

How to apply

In addition to salary costs, the estimated total costs shall also include necessary personal research costs. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

The grant required and any other expenses arising from the stay at the EUI shall be included in the total cost estimate of the application for Postdoctoral Researcher funding. Justification for the EUI stay shall be given in the research plan under section 6, Researchers and research environment. The recommended amount of grants paid in addition to salary is presented in Appendix 4. Travel costs of accompanying family members may be included in the cost estimate if the researcher and his or her family will stay abroad longer than six months.

Under section 5 of the research plan (Implementation) to be appended to the application, applicants shall enter the monthly salary of the Postdoctoral Researcher (excl. indirect employee costs) together with a justification for the estimated total project costs (incl. estimated research costs).

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Postdoctoral Researcher**.

More information

Biosciences and Environment Research Unit

- Science Adviser Kata-Riina Valosaari, tel. +358 9 7748 8216
- Science Adviser Annika Raitala, tel. +358 9 7748 8323



Culture and Society Research Unit

- Science Adviser Helena Vänskä, tel. +358 9 7748 8227

Natural Sciences and Engineering Research Unit

- Science Adviser Maaria Lehtinen, tel. +358 9 7748 8484
- Science Adviser Johanna Törnroos, tel. +358 9 7748 8260
- Science Adviser Jenni Virtanen, tel. +358 9 7748 8298

Health Research Unit

- Science Adviser Heikki Vilen, tel. +358 9 7748 8456

[Research at the EU](#)

- Science Adviser Jyrki Hakapää, tel. +358 9 7748 8277

2.4 SPECIAL FUNDING FOR RESEARCHERS

2.4.1 CLINICAL RESEARCHERS

Aim

The Research Council for Health supports researchers in clinical practice by providing funding for part-time research. The aim is to promote clinical research careers in cooperation with, for example, university hospitals, and to encourage medical doctors working in clinical practice to engage in research so that they can continue to pursue their research career while in specialist training and, upon completion of that training, alongside with clinical practice.

Applicant

The applicant is a clinical researcher with a doctorate. Funding is not granted to applicants who work as full-time university researchers.

Funding

The funding towards salary costs is intended to support part-time research by clinical researchers (**20–50%** of working hours). The applicant and the site of research shall agree on the salary in accordance with the pay system at the site of research.

In addition to funding for salary costs, the Academy may also award a research grant for research costs. The Academy's contribution to funding comes to no more than 80% of the total costs of a research project promoting clinical research careers. The estimated total costs presented in the application shall include the applicant's salary costs and the project's research costs.

Funding period

The funding can be granted for a maximum of three years. The funding period starts 1 September 2012.



Appendices

See Appendix 1 A, Application appendices.

Restrictions

In the September 2011 call, the Academy will consider only one application from one and the same researcher in one of the following funding opportunities: support to clinical research careers, research posts as Academy Research Fellow or Postdoctoral Researcher, and Academy Projects (or a consortium sub-project). If one and the same researcher does submit more than one application for any of these funding opportunities or applies for more than one type of such funding, only the first application received from that applicant will be reviewed.

How to apply

The costs of a project promoting clinical research careers are calculated according to the full cost model. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#). Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project.

The applicant is a clinical researcher with a doctorate. In addition to funding for salary costs, the **same application** is also used to apply for funding for necessary **research costs**. Under section 5 of the research plan (Implementation) to be appended to the application, applicants shall enter the monthly salary of the clinical researcher (excl. indirect employee costs) together with a justification for the estimated total project costs (incl. estimated research costs).

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Clinical researcher**.

More information

- Project Officer Tiina Ahtiainen (Health Research Unit), tel. +358 9 7748 8340

2.4.2 INTERNATIONAL RESEARCHER MOBILITY BASED ON BILATERAL AGREEMENTS

2.4.2.1 Mobility funding

Aim

Mobility funding is intended to promote the international interaction of Finnish researchers and the internationalisation of Finnish research environments. *The research collaboration and researcher mobility based on the bilateral agreements* signed by the Academy of Finland support the Academy's general science-policy objectives. The call for mobility funding is implemented with the following countries: **China (incl. Taiwan), Estonia, Germany, Hungary, India, Japan and Russia.**



Applicant

The applicant is a researcher. Applicants must hold at least a higher academic degree.

Funding

The funding is intended for the researcher's grant (incl. travel and accommodation costs), for research grants to invite researchers to Finland, and for arranging joint seminars (China, Japan). More detailed funding conditions are determined in accordance with the relevant agreement.

Funding period

The funding period starts 1 January 2012. Grants can be awarded for a maximum of twelve months for a two-year funding period.

China

- a) Grants of the National Natural Science Foundation of China (NSFC) for research in biosciences, natural sciences and engineering sciences at Chinese universities. Funding applications can be made for 2012.
- b) Grants for research in natural sciences and engineering sciences at institutions of the Chinese Academy of Sciences (CAS). Funding applications can be made for 2012.
- c) **CAS Fellowship** for applicants with a doctorate: Visiting Professorships for 2–12 months and Fellowships for Young International Scientists for 12 months (+12 months). See section 2.4.2.2, Fellowships of foreign funding agencies.
- d) Grants for research in the social sciences, the humanities, law and economics at institutions of the Chinese Academy of Social Sciences (CASS). Funding applications can be made for 2012.
- e) Research grants for arranging **Finnish-Chinese seminars** in Finland in 2012

Taiwan

The following research fields are primarily supported with the National Science Council: Low Temperature Physics, Functional Brain Imaging, Communication Engineering, Naval Architecture, Biochemistry, Biomedical Science, Biopharmaceutical Science, Epidemiology, Intellectual Property Rights and Genome Biotechnology Ethics.

- f) Grants for research at Taiwanese research institutes and universities
- g) Research grants for inviting Taiwanese researchers to Finland

Estonia

Research grants for inviting Estonian researchers to Finland



Germany

- a) Research grants for travel and living costs incurred from project collaboration between Finnish and German researchers. Funding applications can be made for 2012 and 2013. The Academy of Finland answers for the costs of the Finnish participants and, correspondingly, Deutscher Akademischer Austausch Dienst (DAAD) for the costs of the German participants.
- b) Research grants for inviting a German researcher to Finland, based on the cooperation agreement between the Alexander von Humboldt Foundation, the Academy of Finland and the Finnish Cultural Foundation.

Hungary

- a) Grants for research at Hungarian research institutes and universities
- b) Research grants for inviting Hungarian researchers to Finland

India

- a) The following disciplines are primarily supported with the Indian **Department of Biotechnology (DBT)**:
 - Advanced Biotechnology: Gene therapy, Structural and functional biology with relation to genomics and proteomics
 - Medical Biotechnology: Drug development including vaccines, Diagnostics
 - Food Biotechnology: Nutraceuticals
 - Agriculture Biotechnology: Transgenics and agrobiotechnics
 - Environmental Biotechnology: Bioremediation.

Funding is available for the following purposes:

 1. Grants for **biotechnology research** at Indian universities and research institutes
 2. Research grants for **inviting Indian researchers** of biotechnology to Finland
- b) Grants funded together with the Indian **Department of Science and Technology (DST)** for short-term visits to Indian universities and research institutes
- c) Research grants for inviting Indian researchers of bioinformatics and related biosciences to Finland

Japan

- a) Grants to **researchers** for research in Japan
- b) Grants to **doctoral candidates** for research in Japan (for 12 months at a time and a maximum of 24 months)
- c) **Postdoctoral Fellowships** for 12–24 months to Japan (Japan Society for the Promotion of Science, JSPS Fellowship Programme). See section 2.4.2.2, Fellowships of foreign funding agencies.
- d) Grants for participation in **Finnish-Japanese seminars**



- e) Research grants for arranging **Finnish-Japanese seminars** in Finland

Russia

- a) Grants for research at institutions of the Russian Academy of Sciences and at Russian universities
- b) Research grants for inviting Russian researchers to Finland

Appendices

Personal travel:

- invitation by the institution to be visited (exception: no invitation letter is required from researchers who will work in libraries and archives)
- CV, no more than four pages
- list of publications
- research plan, no more than five pages
- progress report
- statement by the supervisor of the doctoral dissertation of the doctoral candidate (Japan).

Invitation money:

- CV for the applicant, no more than four pages
- CV for the invitee, indicating date of birth, highest academic degree and previous visits to Finland on grants or other funding
- list of publications
- research plan, no more than five pages
- progress report.

Arranging seminars:

- CV, no more than four pages
- list of publications
- research plan, including a short description of the research and an account of how the seminar ties in with the present research. In addition, a budget specification (e.g. rent for meeting premises, coffee, printing and mailing costs)
- tentative seminar programme.

Participation in seminars:

- CV
- list of publications
- research plan, including a short description of the research and an account of how the seminar ties in with the present research. In addition, a description of the applicant's role in the seminar (invited speaker, other speaker, participant).
- tentative seminar programme.

How to apply

The full cost model is not applied to personal grants.

The deadline is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **Mobility from Finland** or **Mobility to Finland**.



Before submitting their application, applicants are requested to check that they have chosen the correct category for the application:

- personal travel > **Mobility from Finland**
- participation in seminars (Japanese-Finnish or Chinese-Finnish seminars) > **Mobility from Finland**
- invitation money > **Mobility to Finland**
- arranging seminars in Finland (Finnish-Japanese or Finnish-Chinese seminars) > **Mobility to Finland.**

More information

More detailed, country-specific information is available on the Academy's website under [International cooperation](#).

See also [International researcher mobility based on bilateral agreements](#) on the Academy's website.

Contacts:

- Coordinator Kristiina Helansuo (International Relations Unit), tel. +358 9 7748 8339 (Russia)
- Coordinator Marja-Liisa Liimatainen (International Relations Unit), tel. +358 9 7748 8316 (Estonia, Russia)
- Coordinator Kaisu Lindeman (International Relations Unit), tel. +358 9 7748 8317 (China incl. Taiwan, Germany, Hungary, India, Japan)

2.4.2.2 Fellowships of foreign funding agencies

The Academy of Finland and the following funding agencies have agreed on fellowships to Japan and China.

2.4.2.2.1 JSPS Fellowship to Japan

The Japan Society for the Promotion of Science (JSPS) can grant researchers with a PhD **JSPS Fellowships** for 12–24 months to Japan.

Applications for the Fellowships are drafted on the JSPS form. The JSPS has set certain conditions for applicants. There is a link to the application form and the guidelines on the Academy's website under [Mobility: Japan page](#), Japan Society for the Promotion of Science Fellowships.

2.4.2.2.2 CAS Fellowship to China

The Chinese Academy of Sciences (CAS) can grant **CAS Fellowships** to researchers with a PhD as follows:

- 1) Visiting Professorship for Senior International Scientists for 2–12 months
- 2) Fellowships for Young International Scientists for 12 months (+ 12 months).



Applications for CAS Fellowships are drafted on the CAS form. There is a link to the application form and the guidelines on the Academy's website under [Mobility – China and Taiwan page](#), CAS Fellowship Programme.

How to apply

The applicant is a researcher. Please note the non-standard application procedure. The applications are not submitted in the Academy's online services. Applications for JSPS Fellowships and CAS Fellowships shall be submitted to the Academy of Finland's Registrar's Office (POB 131, 00531 Helsinki) no later than 30 September 2011 at 16.15.

More information

- Coordinator Kaisu Lindeman (International Relations Unit), tel. +358 9 7748 8317

2.5 EUROPEAN RESEARCH COUNCIL (ERC) CALLS

ERC Starting Independent Researcher Grants and Advanced Investigators Grants

The European Research Council (ERC) will open a call for **Starting Independent Researcher Grants** in summer 2011. The call for **Advanced Investigator Grants** will open in autumn 2011. Applications are invited from all research fields.

The deadlines differ between various research fields. Further information and detailed application guidelines are available on the [ERC website](#).

Academy of Finland support to researchers successful in ERC calls

The Academy may target funding to researchers who have done well in ERC calls but have not been granted funding. This Academy funding is intended to reinforce the international competitiveness of the researchers and the projects they are heading. Eligibility to receive this type of funding requires participation in the next possible ERC call.

More information

- Science Adviser Maiju Gyran (Programme Unit), tel. +358 9 7748 8291, +358 40 196 2729



3 RESEARCH ENVIRONMENT

3.1 FINLAND DISTINGUISHED PROFESSOR PROGRAMME (FIDIPro), LETTERS OF INTENT

The goal of the Finland Distinguished Professor Programme (FiDiPro) funding programme is to strengthen scientific knowledge and know-how in Finland, add a more international element to the Finnish research system, bring added value into the national innovation system and support the research-driven profiling of universities and research institutes. Through the programme, universities and research institutes can hire foreign professor-level researchers or Finnish professor-level researchers who have worked abroad for extended periods to conduct and promote research in Finland for a fixed period. For more information on the FiDiPro programme's background and goals, see www.fidipro.fi.

The programme is aimed at creating long-term international cooperation. Funding is primarily granted for purposes of hiring leading-edge researchers who will be based in scientifically significant and strategic key areas as defined by universities and research institutes and who are internationally highly merited researchers and have wide experience in researcher training. While working in Finland, FiDiPro Professors are first and foremost expected to carry out and actively advance internationally competitive research and to contribute to strengthening Finnish research environments. Proposed FiDiPro candidates shall in principle be prepared to work in Finland.

Decisions on projects selected to the FiDiPro programme are made by the Board of the Academy of Finland. The Academy, the host university or research institute and any other funding bodies involved shall jointly agree on the resources, tasks and responsibilities of FiDiPro projects.

The visiting FiDiPro researcher shall be based at a Finnish university or research institute. The researcher shall also be in an employment relationship to that university or research institute. The researcher may work abroad for no more than half of the funding period. Besides the FiDiPro researcher's salary expenses and travel and other costs, Academy funding may also be used towards setting up a research team. Applications shall be filed by the employing university or research institute, which will also contribute towards the FiDiPro professor's visit and research costs.

The Academy's funding is awarded for 2–5 years. The funding period can start 1 September 2012 at the earliest.

A condition for the payment of funding is that the university or research institute receiving the funding and the invitee have in advance agreed in writing that the ownership rights to any patentable inventions emerging during the employment relationship are transferred to the employing Finnish university or research institute.

The FiDiPro programme has a two-stage call. At the letter of intent stage, the university or research institute is required to submit a proposal on how the research project ties in with the FiDiPro programme and its goals (incl. the university's or research institute's strategies and competence areas). The university or research institute may



submit a letter of intent for several researcher candidates to be invited. All applicants are required to submit an order of priority of the candidates, with justifications.

The plan of intent shall be detailed enough so that its significance can be assessed in terms of the research system, the promotion of research and the competence of the proposed candidate. Universities and research institutes applying for funding are expected to contribute financially towards the researcher's salary and research costs as well as to provide other practical assistance. The site of research shall also provide the basis facilities for research.

Appendices to letter of intent

- plan of intent, no more than four pages, including
 - rationale for how the research project ties in with the FiDiPro programme and its goals (incl. the strategy and competence areas of the university or research institute)
 - background and objectives of the research
 - description of the research team
 - most important research methods
 - expected outcomes as well as scientific and societal impact
 - national and international collaboration
 - timetable for the research
- curriculum vitae for the invitee, no more than four pages
- list of publications of the invitee. Clearly indicate the ten most important publications.
- scanned appendix: priority order (with justifications) confirmed by the university or research institute, no more than two pages.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see [Appendices](#) on the Academy's website. The appendices shall be drafted in English and appended to the application in the online services under "Appendices". The only exception is the curriculum vitae, which is appended under "Personal data/CV".

How to apply

The applicant for FiDiPro funding is a university or research institute. The letter of intent is submitted in the Academy's online services by the Finnish contact person indicated in the application, who shall agree with the university rector or the research institute's highest director that he or she can be indicated as the issuer of the signature. After the deadline has expired, the Academy will send a request for signature (commitment by the site of research) by email to the person indicated in the application. The signature is submitted in the Academy's online services with a function tailor-made for this purpose.

The 2011 FiDiPro call has two stages. On the basis of letters of intent, the Board of the Academy will, by the end of 2011, decide on the projects that will proceed to the second stage. Projects going through to the second stage shall later (date TBA) submit a full application, complete with a detailed research and action plan as well as a funding plan.



In this call, the costs of a research project are calculated according to the full cost model. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% of the estimated total costs of the project. See guidelines on how to enter the costs in the application on the Academy's website under [Full cost model](#).

The deadline for submitting letters of intent is 30 September 2011 at 16.15. The deadline is non-negotiable. Applications are drafted in the [Academy's online services](#), select Open calls > **FiDiPro call, letters of intent**.

More information

- Senior Science Adviser Hannele Kurki, tel. +358 9 7748 8398
- Senior Science Adviser Raija Matikainen, tel. +358 9 7748 8348
- www.fidipro.fi



4 ADVANCE INFORMATION ON CALLS

The Academy's next application round proper is in April 2012. The April call for applications will be published on the Academy's website in late March at the latest, and (according to tentative plans) applications can be submitted in the Academy's online services as of 2 April 2012. Calls for research programmes and international calls may open before April 2012.

This advance information is tentative. Information on calls open for application will be posted on the Academy's website under [Apply now](#).

Calls to open in 2011 or early 2012

FACCE, coordination of knowledge hub networks

The Joint Programming initiative Agriculture, Food Security and Climate Change (FACCE) will launch a pan-European call (FACCE JPI knowledge hubs). Funding will be available for coordination of research networks in cooperation with international projects within climate-related risk assessments that will promote agriculture and food safety in Europe. If the Academy of Finland and the Finnish Ministry for Agriculture and Forestry decide to participate in the call, it will open in July 2011 and the deadline for submitting applications is 7 September 2011. More information: Director Arja Kallio (Programme Unit), tel. +358 9 7748 8367, +358 40 168 4361, and www.facejpi.com.

Baltic Sea Research and Development Programme

The BONUS EEIG is preparing a call within the Baltic Sea Research and Development Programme (BONUS). If the BONUS EEIG Steering Committee decides on the call, it will be launched in December 2011. An information meeting will be arranged at the Academy on 9 September 2011. More information: Science Adviser Kyösti Lempa (Biosciences and Environment Research Unit), tel. +358 9 7748 8248, and www.bonusportal.org.

New Indigo ERA-NET Biotechnology and Human Health

The New Indigo ERA-NET is preparing a research programme call between Indian and European researchers. A third call with the theme Biotechnology and Human Health is planned for October 2011. More information: Science Adviser Hannele Lahtinen (Programme Unit), tel. +358 9 7748 8409, +358 400 295 645, and www.newindigo.eu.

Research Programme on the Human Mind, letters of intent

If the Board of the Academy of Finland decides to launch the Research Programme on the Human Mind in late 2011, the planned deadline for letters of intent within the programme will be 15 February 2012. More information: Programme Manager Mikko Ylikangas, tel. +358 9 7748 8481, +358 40 586 4729, and Programme Manager Mika Tirronen, tel. +358 9 7748 8255, +358 40 702 7462 (Programme Unit), and [the programme's website](#).



In April 2012, funding is available for the following purposes, for instance:

Centre of Excellence Programme 2014–2019, letters of intent

If the Board of the Academy of Finland decides to launch the programme for Centres of Excellence in late 2011, the letters of intent within the programme can be submitted in April 2012 and full applications of those proceeding to the second stage will be requested in January 2013. More information: Science Adviser Maiju Gyran, tel. +358 9 7748 8291, +358 40 196 2729, and Science Adviser Hannele Lahtinen, tel. +358 9 7748 8409, +358 400 295 645 (Programme Unit).

Targeted call: Antarctic research

The Academy of Finland is preparing a call for Antarctic research for 2013–2016. Applications for funding will most likely be invited in April 2012. The projects to be funded are expected to carry out international cooperation. More information: Science Adviser Jenni Virtanen (Natural Sciences and Engineering Research Unit), tel. +358 9 7748 8298.



APPENDICES

APPENDIX 1 A: APPLICATION APPENDICES

When an application concerns Academy Projects, targeted Academy Projects, research posts as Academy Research Fellow or Postdoctoral Researcher, clinical researchers, the second application stage of research programmes (LASTU) or the second application stage of research posts as Academy Professor, the appendices listed below shall be appended. As regards targeted Academy Projects, other appendices may also be requested.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see [Appendices](#) on the Academy's website. The appendices shall be drafted in English and appended to the application in the online services under "Appendices". The only exception is the curriculum vitae, which is appended under "Personal data/CV".

1 Appendices (research posts, individual projects or project collaboration)

Obligatory appendices:

- research plan, no more than 12 pages
- curriculum vitae for the applicant, no more than four pages, including start and end dates of employment relationships, and the Finnish- or Swedish-language titles of employment relationships in Finland
- list of publications of the applicant. Clearly indicate the ten most important publications in terms of the research plan. The list shall be drafted in accordance with the new classification, see Appendix 6.
- Finnish degree certificate or an English-language degree certificate of a doctoral degree gained abroad (only in the call for a research post as Academy Research Fellow and Postdoctoral Researcher).

Case-specific appendices:

- invitation from foreign university or research institute, if the research or part of it will be conducted abroad
- statement by an ethics committee or the Committee on Animal Experimentation (if relevant). The ethical aspects shall always be specified in the research plan.
- statement by a Strategic Centre for Science, Technology and Innovation, confirming that the applicant's project is affiliated with the Strategic Centre and justifying the significance of the project for the Strategic Centre's operations
- progress report on all Academy-funded research projects headed by the applicant that have not submitted final reports.

2 Appendices to consortium application

Consortium applications can be submitted only in the calls for Academy Projects, targeted Academy Projects and research programmes. For detailed guidelines on how to draft consortium applications, see [Consortium application](#) on the Academy's website. The appendices drafted in accordance with the guidelines are appended only to the application of the consortium leader.



2.1 Application by consortium leader

In this case, an online application is filled in with which funding is applied for *only for the consortium leader's own research team*. The following appendices are appended to the application:

Obligatory appendices:

- research plan drafted in accordance with the consortium guidelines, no more than 15 pages
- curricula vitae for the consortium leader and the principal investigators of the sub-projects, combined as one document, no more than four pages each
- lists of publications of the consortium leader and the principal investigators of the sub-projects. The length of the lists is not limited. In all lists, clearly indicate the ten most important publications in terms of the project. The lists shall be drafted in accordance with the new classification, see Appendix 6.

Case-specific appendices:

- statement by an ethics committee or the Committee on Animal Experimentation (if relevant). The ethical aspects shall always be specified in the research plan.
- progress report on all Academy-funded research projects headed by the consortium leader and the principal investigators of the sub-projects that have not submitted final reports.
- statement by a Strategic Centre for Science, Technology and Innovation, confirming that the applicant's project is affiliated with the Strategic Centre and justifying the significance of the project for the Strategic Centre's operations
- invitation from foreign university or research institute, if the research or part of it will be conducted abroad; if needed, several invitations combined as one scanned appendix.

2.2 Application by principal investigator of consortium sub-project

In this case, only an online application is filled in with which funding is applied for *only for the research team of the principal investigator of a consortium sub-project*. No appendices are appended to the application of the sub-project. The consortium leader collects and combines all appendices of the consortium as part of his or her application.



APPENDIX 1 B: APPENDICES TO LETTER OF INTENT

When an application is submitted to the first stage of the call for a research post as Academy Professor or the first application stage of research programmes, the appendices listed below shall be appended to the application.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see [Appendices](#) on the Academy's website. The appendices shall be drafted in English and appended to the application in the online services under "Appendices". The only exception is the curriculum vitae, which is appended under "Personal data/CV".

1 Letter of intent by Academy Professor applicant or by principal investigator of individual project (OMA, AKVA)

- plan of intent, no more than four pages
- curriculum vitae for the principal investigator, no more than four pages
- list of publications of the principal investigator. Clearly indicate the ten most important publications in terms of the research plan. The list shall be drafted in accordance with the new classification, see Appendix 6.

2 Letter of intent by consortium

For more detailed guidelines on how to draft a consortium application, see [Consortium application](#) on the Academy's website. *The letter of intent is submitted by the consortium leader.*

- plan of intent for the consortium, no more than six pages
- curricula vitae for the consortium leader and the principal investigators of the sub-projects, no more than four pages each
- lists of publications of the consortium leader and the principal investigators of the sub-projects. In all lists, clearly indicate the ten most important publications in terms of the research plan. The list shall be drafted in accordance with the new classification, see Appendix 6.


APPENDIX 2: FUNDING GRANTED FOR RESEARCH PROJECTS (GENERAL RESEARCH GRANTS, ACADEMY PROJECTS) 2009–2010

Funding (€) granted in 2009–2010 for research projects (general research grants, Academy Projects) in accordance with the full cost model and the Research Council's plans for funding projects within the September 2011 call.

Research Council	Funding of research projects 2009–2010		Plans for September 2011 call	
	Funding available for projects/year (average)	Average amount of funding ¹	Average amount of funding ¹	Maximum amount of funding for four-year projects
Biosciences and Environment	19,400,000	589,000	600,000	not determined
Culture and Society	25,100,000	460,000	600,000	600,000
Natural Sciences and Engineering	32,600,000	375,000	500,000	800,000
Health	16,300,000	346,000	450,000	550,000

¹ Sub-projects of consortium applications counted as separate decisions.

APPENDIX 3: POSTDOCTORAL RESEARCHER FUNDING IN SPRING 2011

Research Council	Funding for Postdoctoral Researchers in October 2010 call, (€*, in accordance with the full cost model)		
	Funding granted in spring 2011	Average amount of funding*	Success rate (%) of applications
Biosciences and Environment	8,453,000	291,000	19
Culture and Society	12,567,000	273,000	24
Natural Sciences and Engineering	13,654,000	279,000	21
Health	7,137,000	274,000	23

*The funding granted includes both the salary for Postdoctoral Researcher and personal research costs. Please note that the Academy's contribution to funding comes to no more than 80% of the total costs. The amounts have been rounded to the nearest thousand.


APPENDIX 4: APPROXIMATE MONTHLY GRANTS IN 2011–2012

Recommended monthly grants payable for researcher training and research abroad and for funding researcher mobility

COUNTRY OR REGION	Researchers not receiving any grant or salary	Researchers receiving grant or partial salary	Researchers receiving full salary
Chile	€2,000	€1,200–1,700	€1,000–1,200
Germany	"	"	"
India	"	"	"
Russia (excl. Moscow)	"	"	"
South Africa	"	"	"
Taiwan	"	"	"
Belgium	€2,300	€1,600–2,000	€1,000–1,400
Canada	"	"	"
China	"	"	"
France	"	"	"
Italy	"	"	"
Netherlands	"	"	"
Nordic countries	"	"	"
USA	"	"	"
Brazil	€2,800	€1,900–2,500	€1,300–1,700
Great Britain	"	"	"
Japan	"	"	"
Republic of Korea	"	"	"
Russia (Moscow)	"	"	"
Switzerland	"	"	"
Other countries	€1,000–2,300	€500–1,700	€300–1,000

In determining the amount of the grant, the full grant may be increased by

- 15% if the researcher holds a doctorate and receives no other salary or fee
- 20% if the researcher has minor dependants
- a maximum of 20% if the local cost of living is exceptionally high and the researcher receives no other salary or fee.

Exceptional fluctuations in currency exchange rates may be taken into account in determining the amount of the grant.

The grants awarded take into account the grant recipient's obligation to take out pension, accident and life insurance. For more information, see the [Farmers' Social Insurance Institution's website](#), insurance for recipients of grants and scholarships.

As a result of the Universities Act that entered into force 1 January 2010, Finnish universities are no longer treated as public corporations in income taxation. This applies both to universities under public law and to foundation universities. This means that grants paid at universities (incl. grants abroad invoiced based on the Academy's



funding decision) normally count as taxable income for the grant recipient, provided that their amount exceeds the annual amount of the State Grant for Artists. The Academy recommends that the site of research – before the grant decision is made – consult the tax administration concerning any tax consequences possibly arising from the payment of the grant.

In 2011, the annual amount of the State Grant for Artists is EUR 19,029.51 (for more details, see the [Arts Council of Finland's website](#), FAQ, Guidelines for grant applicants).

More information on, for example, taxation of grants abroad is available in the Tax Administration's Memorandum of 27 Jan 2010, New Universities Act and international situations (in Finnish and Swedish) at www.vero.fi.

APPENDIX 5: GRANTS FOR FOREIGN RESEARCHERS WORKING IN FINLAND

Short-term visits:

Grants with compensation for accommodation €80–182/day (incl. a personal grant of €35 and a maximum compensation for accommodation of €147)

Visits longer than one month, including compensation for accommodation:

Master's degree or corresponding	€1,500–1,700/month
PhD or corresponding	€1,700–2,400/month
Professor	€2,400–4,000/month

A particularly outstanding professor may be awarded a larger grant than indicated here.

The grants awarded take into account the grant recipient's obligation to take out pension, accident and life insurance. For more information, see the [Farmers' Social Insurance Institution's website](#), insurance for recipients of grants and scholarships.

The Academy recommends that the site of research – before the grant decision is made – consult the tax administration concerning any tax consequences possibly arising from the payment of the grant.

Grants are not paid to EU citizens. While working in Finland, EU citizens must have an employment relationship.



APPENDIX 6: CLASSIFICATION OF PUBLICATIONS IN THE LIST OF PUBLICATIONS

The Academy requests that applicants follow the classification below in their lists of publications. The classification is based on the classification by the Ministry of Education, Science and Culture (2010). For more information, see [Appendices](#) on the Academy's website and the Ministry's [Publication Type Classification Manual](#).

A Peer-reviewed scientific articles

Journal article (refereed), original research; review article, literature review, systematic review; book section, chapters in research books; conference proceedings
NB. Doctoral dissertations (articles) also listed under item G.

B Non-refereed scientific articles

Non-refereed journal article; book section; non-refereed conference proceedings

C Scientific books (monographs)

Book; edited book, conference proceedings or special issue of a journal
NB. Doctoral dissertations (monographs) also listed under item G.

D Publications intended for professional communities

Article in a trade journal; article in a professional manual or guide or professional information system, textbook material; professional conference proceedings; published development or research report or study; textbook, professional manual or guide, dictionary

E Publications intended for the general public, linked to the applicant's research

Popularised article, newspaper article; popularised monograph
(No letters to the editor, short commentaries or self-published works)

F Public artistic and design activities

Published independent work of art; public partial realisation of a work of art; public artistic performance or exhibition; model or design adopted for production/use

G Theses

Polytechnic thesis, Bachelor's thesis, Master's thesis, polytechnic Master's thesis; Licentiate thesis; doctoral dissertation (monograph); doctoral dissertation (article)

H Patents and invention disclosures

Granted patent; invention disclosure

I Audiovisual material, ICT software

Audiovisual material; ICT software