

October call 4–29 October 2010

As of October 2010 call, a number of new conditions and changes become effective in the application for Academy funding. A short summary of the changes is available in Appendix 5. More detailed information is provided on the Academy's website at www.aka.fi/en/g > For researchers > How to apply > Calls for applications > [October 2010 call for applications: What's new.](#)

The Academy's online services are being updated during summer 2010. Information on any technical details that concern application for funding and that are not known at the time of this publication of the call for applications will be made available by 4 October 2010, i.e. when the call opens, on the Academy's website at www.aka.fi/eng > For researchers > How to apply > Calls for applications > October 2010 call > Instructions for online services.
Other web pages that are referred to in the call for applications will be updated in August at the latest. The English and Swedish-language versions of the call for applications are also published in August.

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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 2010, the Academy will make funding decisions worth about 300 million euros. 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.

Guidelines for applicants

Application guidelines applicable to all calls

The main calls for Academy research funding are arranged twice a year, in spring and in autumn. In 2010, the Academy holds two main application rounds: one was opened in January and the other will open in October. In 2011, the Academy's main application rounds will be in April and September-October. Application deadlines for research programmes, doctoral programmes and international calls may differ from those in the Academy's general calls. More information on the reforms in funding opportunities, application rounds and the online services is available in Appendix 5.

Information on calls to be opened is posted on the Academy's website at www.aka.fi/eng/eng > For researchers > [Apply now](#). Applicants are advised to check the deadline for submitting applications 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 for submitting applications are available on the Academy's website at:

- 1) call for applications published twice a year that describes all funding opportunities open for application at that particular time:
www.aka.fi/eng > For researchers > How to apply > [Call for applications](#)
- 2) detailed guidelines for submitting applications:
www.aka.fi/eng > For researchers > How to apply > [Guidelines](#)

- 3) detailed guidelines on the structure and length of appendices:
www.aka.fi/eng > For researchers > How to apply > [Appendices](#)
- 4) programme memoranda of research programmes to be launched:
www.aka.fi/eng > Science in Society > Research programmes > [Open for application](#)

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

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 that are 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 adjunct professor or be a researcher with a doctorate**, unless the call otherwise indicates or the call allows otherwise. In some funding opportunities the applicant is a university or a research institute.

Within the same call, funding can be granted to one and the same person only for one of the following funding opportunities: research post as Academy Research Fellow, research post as Postdoctoral Researcher and Academy project. If the applicant submits more than one application for one of these funding opportunities or applies for more than one type of such funding within the same call, only the first application received from that applicant will be reviewed. As regards targeted Academy projects, decisions on the validity of the restriction are made separately for each call.

The Academy has renewed its funding instruments for the October 2010 call. Information on any restrictions and special conditions is separately given for each funding instrument in the call for applications.

Joint funding and the 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 contribution to the project usually covers no more than 80% of the total costs. Applications shall be written so as to ensure that the Academy's contribution to funding comes to no more than 80% (FIRI 2010 call: no more than 70%). This maximum percentage is applied both to the calculation of *estimated* total costs at the application and decision stage; and to the calculation of *real* total costs during the course of the project (invoicing procedure) and upon completion of the project (reporting stage). The percentage is applied to all project costs, i.e. 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 stage, only funding that is confirmed e.g. with a decision by the funding body that has granted the funding is taken into account in the calculation of total project costs. Costs that are not passed through the books of the site of the research shall not be included in total project costs. Under section 'How to apply' of the call for applications, it is indicated separately for each funding opportunity whether the full cost model is applied to its cost calculation, or if the model for additional costs previously applied by the Academy (an overheads share of 12.5%) is applied to the call in question.

Applicants shall request a commitment by the site of research for their research, see www.aka.fi/eng > For researchers > How to apply > Guidelines > [Requesting commitment of the site of research](#).

Guidelines regarding the full cost model are available on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [Full cost model](#).

What is funded?

The Academy of Finland 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), 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's costs only insofar as the funding recipient (which is usually the principal investigator's host organisation) is not entitled to deduct VAT costs incurred in its operation. For example, universities cannot deduct these costs and therefore they can be paid from funding granted by the Academy. For this reason researchers based at universities shall include VAT costs in their applications.

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 to 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. A research visit exceeding twelve months requires an employment relationship in Finland.

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

Funding may be granted to cover the salary costs of the principal investigator of an Academy project for a period of no more than twelve months. The funds are intended to facilitate implementation of the project and they will only be made available **for well-substantiated reasons expressly connected with research**. These reasons may include working abroad, returning to Finland, and moving to another research organisation or company in Finland.

The justification for the salary of the principal investigator shall be presented in the research plan under section 5, 'Implementation'. 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.

No fees for purposes of leading a research project can be paid out of Academy research grants.

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 may also be allocated directly to the researcher.

Academy of Finland funding to organisations outside the national economy (e.g. to universities) is classed as discretionary Government transfers. Since these funds are allocated not to individual researchers but to their host organisation instead of the researcher, the host organisation is regarded as the recipient of the discretionary Government 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 for funding 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.

If applicants receive any funding from other sources for the same purpose after the application to the Academy of Finland has been submitted, they must immediately notify the Academy of this.

Detailed conditions and guidelines on the use of funding and reporting are available on the Academy's website at www.aka.fi/eng > For researchers > [Use of funding](#).

Commitment by the site of research

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

The application also includes a commitment by the site of research on which the applicant shall agree in advance with a representative of the site of research. With this commitment the site of research commits to funding the project with the **percentage presented in the funding plan**, securing the basic facilities for the project and committing to the percentages given in the application, i.e. the overheads percentage, the percentage for indirect employee costs and the coefficient for effective working hours.

Where the funding in question is awarded to organisations outside central government (e.g. funding granted to universities), the site of research undertakes to act as the recipient of the discretionary Government transfer on behalf of the applicant and will according be required to assume all related obligations. With respect to applicants for a research post as Academy Professor and Academy Research Fellow, the commitment by the site of research also applies to the use of the researcher's working hours for purposes other than research, salaries and 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 from those sources must also pass through the books of the site of the research.

Detailed guidelines on issuing a commitment by the site of research online are available on the Academy's website at www.aka.fi/eng > For researchers > How to apply > Guidelines > Detailed application guidelines > [Requesting 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 for funding for their own projects, and the cooperation is described in the research plan of each partner. **Project collaboration applications are reviewed as separate applications.**

Applicants for research funding may also be consortia composed of a number research projects working at different sites. A consortium is a fixed-time entity composed of individual sub-projects that works under a joint research plan with a view to generating greater added value through systematic collaboration than through normal project cooperation. 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, the leader of each sub-projects submit their applications that specify the joint research plan and include the funding needs of the sub-projects. **A consortium application is reviewed at the Academy as one entity** and the decision is made by one research council or sub-committee.

Detailed guidelines on drafting a consortium application and its appendices are available on the Academy's website at www.aka.fi/eng > For researchers > How to apply > Guidelines > Detailed application guidelines > [Consortia and project collaboration, consortium application](#).

The applications of all sub-projects of a consortium application 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 submitted late and will not be processed. The composition of a consortium cannot be changed after the expiry of the deadline.

Strategic Centres for Science, Technology and Innovation

In accordance with the decision by the Academy of Finland Board, the Academy works to promote high-standard scientific research serving the Strategic Centres for Science, Technology and Innovation (Academy of Finland action and financial plan; the Academy's strategic action plan for 2010–2013). The research may be incorporated as part of a specific Strategic Centre or related to the thematic areas of Strategic Centres. These applications will be reviewed in accordance with the Academy's general procedures and evaluation criteria and the Academy's general criteria are applied to the applicants, see www.aka.fi/eng > For researchers > [Application processing](#). For more details on the thematic areas of the Strategic Centres for Science, Technology and Innovation, see www.aka.fi/eng > For researchers > Funding opportunities > For companies and the public sector > [Strategic Centres for Science, Technology and Innovation](#)).

If an application is affiliated with a thematic area of a Strategic Centre, the following special guidelines shall apply to the application: when submitting his or her application, the applicant selects the Strategic Centre whose thematic area the research is tied in with on the list available in the online services. If the application is also directly affiliated with a Strategic Centre, the applicant shall state this and attach a statement by the executive director of the Strategic Centre as an attachment file with his or her application. The statement shall confirm that the applicant's project is affiliated with the Strategic Centre and give a description of the role and significance of the applicant's project for the Strategic Centre's operations. If the application is not affiliated with a Strategic Centre but the applicant considers that his or her application serves the thematic area of the Strategic Centre, the applicant shall justify this in his or her application.

Language of application

The Academy of Finland 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, even though applicants 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 at www.aka.fi/eng > For researchers > How to apply > Guidelines > Detailed application guidelines > [Ethical guidelines](#). The ethical issues of the research must always be specified in the research plan and they reviewed as part of the scientific review.

Mobility plan

All research plans to the Academy must include a mobility plan for the project. The mobility plan shall detail the research project's national and international mobility plans, describe the involvement of foreign researchers in the project, and explain other ways in which the project intends to transcend international, national, institutional and public/private sector boundaries. Furthermore, the plan shall also describe how the project intends to make use of international research infrastructures. Detailed mobility information is entered in the online application form for statistical purposes.

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 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.

The Academy recommends that the research projects funded by the Academy deliver the social science research data they have gathered to the Finnish Social Science Data Archive (FSD), www.fsd.uta.fi.

New classification of research fields

The Academy of Finland will adopt a new, more detailed classification of research fields in October 2010. This classification is based on Statistics Finland's revised Field of Science and Technology (FOS) Classification and the Academy's existing classification currently in use. The new classification lists 64 fields of research and a number of subcategories. In addition to their primary field of research, applicants may indicate four other research fields and subcategories in their applications, ranked according to their order of importance. In addition to the research field, the applicant shall also give the key words describing the research and research methods in a free field of the application form.

The classification of research fields is attached to the call for applications as Appendix 3. More information is available on the Academy's website (www.aka.fi/eng > For researchers > How to apply > Guidelines > [Research field classification](#)) where also the research fields hosted by the Research Councils are listed.

Submitting applications, applications pending

Applications for the October 2010 round of application can be drafted and submitted in the Academy's online services during 4–29 October 2010 by the deadline 16.15 if not otherwise indicated in the call for applications. The application deadline is non-negotiable. To ensure smooth drafting and submission it is important that applicants submit their applications well in advance of the final deadline.

According to Section 17 of the Finnish Administrative Procedure Act, the sender is responsible for the application arriving within the 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 form and the appendices defined as obligatory in the online services have been submitted in the online system. The online system will indicate the successful submission of an application. 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 funding percentage for the Academy of more than 80% (FIRI 2010 call: more than 70%) of the total costs. The procedure for submitting an application in the online services is described in detail on the Academy's website, see www.aka.fi/eng > For researchers > [Log in to online services](#).

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

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

Supplementing an application

In contrast to earlier practice, applicants themselves can no longer supplement their applications in the online system within seven days of the submission deadline. If applicants notice significant omissions from 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 concerned (the person named for further information in the call for applications), who will unlock the application so that the applicant can enter the relevant additions. These submissions will only be taken into account insofar as this is possible in view of the applications review, application processing and decision-making process.

If applicants receive any funding from other sources for the same purpose after the application to the Academy has been submitted, they must immediately notify the Academy of this.

Reviewing applications, decision not to review

Academy funding is based on the scientific peer 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 at www.aka.fi/eng > For researchers > Application evaluation, and [Reviewing applications](#). Applicants are advised to read these evaluation criteria and any additional guidelines available on the Research Council's websites.

The Academy may, on 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 submitted in the same application round more than one application for one or more of the following funding opportunities: research post as Academy Research Fellow, research post as 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 is applying for Academy project funding during the first three years of the six-year funding period; as a general rule this also applies to other researchers closely affiliated with the Centre of Excellence;
- the researcher with a research post as Academy Postdoctoral Researcher applies for a research post as Academy Research Fellow the term of which would partly overlap with the Postdoctoral Researcher term;
- the applicant has not reported according to guidelines on another completed or ongoing research project with Academy funding; or

- it is clearly evident that for 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 be granted funding.

If two similar calls are opened during the same year and an application with essentially the same content is submitted for both calls, the scientific review obtained of the application submitted in the first call may be used for funding decisions made on applications that are submitted in the second call that year.

Publicity of applications and public project description

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

If funding is granted for the project, the Academy will publish a public project description on its website, drafted by the applicant in connection with the application. Finnish or Swedish-speaking applicants write their descriptions in Finnish or Swedish in the text field indicated for this purpose on the online application form. All applicants shall write the description also 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 project description is as clear and readable to the general public as possible. It shall give the reader a brief summary of the key points of the research; for more details see www.aka.fi/eng > For researchers > How to apply > Guidelines > Detailed guidelines applicable to all calls > [Public description of project](#).

The Academy will not edit public project descriptions, and consequently applicants are responsible for the content, clarity and style of their project descriptions.

Funding decisions and expert statements

The Academy's decision timetables are posted at the Academy's website at www.aka.fi/eng > For researchers > Funding decisions > [Decision timetables](#). The projects to be funded and the call-specific press releases related to the decisions are posted at www.aka.fi/eng > For researchers > [Funding decisions](#).

Information on the decision is always sent to the applicant by mail. If an expert statement requested on the application is available online, the applicant can read it after decisions have been made by logging into the online services and by selecting the application number in question. If the statement is not available online, it will be sent to the applicant separately by mail, in addition to the e-letter concerning the decision.

Further information

In requesting further information applicants are requested to primarily use the *Questions and feedback* link on the Academy's website. For each funding opportunity, the call for applications indicates the presenting officials who give further information; their emails are in the form firstname.lastname@aka.fi.

Contact information

Academy of Finland postal address	POB 99, 00501 Helsinki
Street address	Vilhonvuorenkatu 6
Phone (exchange)	(09) 774 881
Fax	(09) 7748 8299
Registrar's Office, phone	(09) 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	link at bottom of website "Questions and feedback"

Funding open for application in October 2010**1. RESEARCH****1.1 Academy projects 2011****Aim**

Academy project funding is the key funding opportunity provided by the Academy 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 to attain internationally as high a scientific standard of work as possible and to strengthen the creativity, capacity and impact of research. 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 adjunct professor*.

Funding

Academy project funding is granted towards the direct costs of a research project to cover expenses arising from, for example, the research team's working hours, research costs, travel, domestic 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 international mobility that will support their research, for example, so that a researcher hired for a project works abroad for a fixed period. A foreign researcher may also be hired for a project 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 are aimed at scientific breakthroughs.

Funding period

Academy project funding is normally granted for four years. The funding period starts on 1 September 2011.

Special conditions and restrictions

Funding may be granted to cover the salary costs of the principal investigator of an Academy project for a period of no more than twelve months. The funds are intended to facilitate implementation of the Academy project and they will only be made available 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 reasons for the salary of the principal investigator of research shall be justified in the research plan under section 5, 'Implementation'.

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.

In the October call, the Academy will consider only one application from the same applicant for an Academy project, a research post as Academy Research Fellow or a research post as Postdoctoral Researcher. If the same applicant submits 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 considered. Applications that are not reviewed for this reason will not be eligible to receive funding.

The Board of the Academy has decided that if applicants have an ongoing Academy project, a project under a general research grant or funding granted for an Academy Research Fellow or Academy Professor for hiring a research team they will not be eligible to receive funding for a simultaneous Academy project except for very compelling reasons. In the October 2010 call, the principal investigator of a research project who has an ongoing project funded under a general research grant until 31 December 2011 will be eligible to receive Academy project funding from 1 September 2011.

The principal investigator or other researcher at a Centre of Excellence is eligible to apply for Academy project funding only during the second three-year term of Centre of Excellence funding.

ESRC cooperation

The Research Council for Culture and Society and the Economic and Social Research Council (ESRC, UK) have agreed on cooperation between funding agencies regarding applications for joint research projects addressed to the research councils. Applications are addressed to the Academy in accordance with the Academy's normal application guidelines.

Appendices

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'. The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

1 Appendices to an application that concerns an individual project or project collaboration

Obligatory appendices:

- research plan, no more than twelve pages
- curriculum vitae for the applicant, no more than four pages, including the starting and ending dates of his or her employment relationships, as well as 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.

Case-specific appendices:

- invitation from a 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). Ethical aspects shall always be specified in the research plan.
- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, 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 the applicant's Academy-funded research projects for which final reports have not been submitted.

2 Appendices to an application that concerns a consortium

For detailed guidelines on drafting a consortium application, see www.aka.fi/eng > For researchers > How to apply > Guidelines > Detailed application guidelines > [Consortia and project collaboration, consortium application](#). The appendices drafted in accordance with the guidelines are appended only to the application of the consortium leader.

2.1 Application by consortium leader

With the online application form funding is applied for only for the consortium leader's own research team. Appendices to be enclosed are:

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/researcher
- lists of publications of the consortium leader and the principal investigators of the sub-projects. The length of the lists is not limited. Clearly indicate the ten most important publications for each leader in terms of the project.

Case-specific appendices:

- statement by an ethics committee or the Committee on Animal Experimentation, if relevant. Ethical issues shall always be specified in the research plan.
- progress report by the consortium leader and the principal investigators of the sub-projects on their Academy-funded research projects for which final reports have not been submitted
- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, 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 a 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

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.

How to apply

The full cost model applies to the calculation of the costs of an Academy project. 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 form on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [Full cost model](#).

If the applicant is a consortium (a consortium of applicants), see detailed guidelines at www.aka.fi/eng > For researchers > How to apply > Guidelines > Detailed application guidelines > [Guidelines for consortium application](#). The applications of all sub-projects of a consortium shall be submitted before the expiry of the deadline. If the application of any sub-project of the consortium is submitted late, the application of the whole consortium is considered submitted late and will not be processed. The composition of the consortium cannot be changed after the deadline.

The application deadline is 29 October 2010 at 16.15. The deadline is non-negotiable. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **Academy project**.

Further information

- Biosciences and Environment Research Unit
 - Science Adviser Jaana Lehtimäki, tel. (09) 7748 8373
 - Science Adviser Harri Hautala, tel. (09) 7748 8408
 - Science Adviser Hannele Lahtinen, tel. (09) 7748 8409
 - Science Adviser Kyösti Lempa, tel. (09) 7748 8248
- Culture and Society Research Unit
 - Science Adviser Tiina Forsman, tel. (09) 7748 8443
 - Science Adviser Raija Matikainen, tel. (09) 7748 8348
 - Science Adviser Satu Huuha-Cissokho, tel. (09) 7748 8488
- Natural Sciences and Engineering Research Unit
 - Science Adviser Kati Sulonen, tel. (09) 7748 8266
 - Science Adviser Tuukka Lehtiniemi, tel. (09) 7748 8236
 - Science Adviser Samuli Hemming, tel. (09) 7748 8480
 - Science Adviser Kati Lühje, tel. (09) 7748 8297
 - Science Adviser Antti Väihkönen, tel. (09) 7748 8410
- Health Research Unit
 - Science Adviser Aki Salo, tel. 040 591 3596
 - Project Coordinator Kaisa Koli, tel. 040 162 6929
 - Science Adviser Sara Illman, tel. 040 012 5236
- ESRC cooperation

ESRC cooperation website at www.aka.fi/eng > Academy of Finland > Research Councils > International activities > [Economic and Social Research Council \(ESRC\)](#)

Adviser Riitta Launonen (Culture and Society Research Unit), tel. (09) 7748 8229

1.2 Targeted Academy projects

1.2.1 Development research 2011

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 in finding 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 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.

Research may also focus on other themes relevant in terms of the objectives of the call and for 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 natural economy, 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.

Applicant

The principal investigator of the research project must have the *qualifications of a professor or adjunct professor*.

Funding

Funding is intended towards the direct costs of a research project to cover expenses arising from, for example, the research team's working hours, researcher costs, travel, domestic and international cooperation and mobility, work and research training abroad, and the preparation of international projects.

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 cooperation with researchers and research institutes in developing countries.

Funding period

Funding is normally granted for four years. The funding period starts on 1 September 2011.

Special conditions and restrictions

Funding may be granted to cover the salary costs of the principal investigator of a project for a period of no more than twelve months. The funds are intended to facilitate implementation of the project and they will only be made available 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 reasons for the salary of the principal investigator of research shall be justified in the research plan under section 5, 'Implementation'.

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.

If the applicant has an ongoing development research project, he or she can be granted funding for another development research project only on compelling reasons. In the call for funding for development research, applicants are eligible to simultaneously submit an application for Academy project funding, if the applications concern a different theme.

Appendices

Obligatory appendices:

- research plan, no more than twelve pages
- curriculum vitae for the applicant, no more than four pages, including the starting and ending dates of his or her employment relationships, as well as 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.

Case-specific appendices:

- invitation from a 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). Ethical aspects shall always be specified in the research plan.
- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, 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 the applicant's Academy-funded research projects for which final reports have not been submitted.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'. The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

How to apply

In this call, the full cost model applies to the calculation of the costs of a research project. 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 form on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [Full cost model](#).

The application deadline is 29 October 2010 at 16.15. The deadline is non-negotiable. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **Development research**.

Further information

- Science Adviser Riitta Launonen, tel. (09) 7748 8229

1.2.2 Joint project call in the field of material science and engineering (Academy of Finland, Tekes and National Science Foundation)

Aim

The call in the field material 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 the field of material science. The aim is to establish joint projects of two teams where one team is Finnish and the other from the US. The Finnish teams apply for funding from the Academy or Tekes (depending on the nature of the application) 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 2011, the Academy of Finland is prepared to fund joint projects in material science and engineering with the US NSF. The Academy's allocation for the purpose is a maximum of 500,000 euros.

Applicant

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

Funding

Project funding is granted towards the direct costs of a research project to cover expenses arising from, for example, the research team's working hours, research costs, travel, domestic 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 international mobility that will support their research, for example, so that a researcher hired for a project works abroad for a fixed period. A foreign researcher may also be hired 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 are aimed at scientific breakthroughs.

Funding period

Funding is normally granted for four years. The funding period starts on 1 September 2011.

Special conditions and restrictions

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.

Appendices

Obligatory appendices:

- research plan, no more than twelve pages
- curriculum vitae for the applicant, no more than four pages, including the starting and ending dates of his or her employment relationships, as well as 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.

Case-specific appendices:

- invitation from a 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). Ethical aspects shall always be specified in the research plan.
- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, 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 the applicant's Academy-funded research projects for which final reports have not been submitted.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'.

The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

How to apply

The full cost model applies to the calculation of the costs of a research project. 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 form on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [Full cost model](#).

The application deadline for funding to be applied from the Academy is 29 October 2010 at 16.15. The deadline is non-negotiable. Please note that the deadline for applications to be submitted to the NSF and Tekes is in November 2010. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **Joint project call: Material science and engineering (Academy of Finland and NSF)**.

Further information

- Science Adviser Jan Bäckman (Natural Sciences and Engineering Research Unit), tel. (09) 7748 8394
- NSF's website:
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12820&org=NSF&sel_org=NSF&from=fund
- www.tekes.fi/en, Senior Technology Adviser Sisko Sipilä, tel. 010 60 55845, firstname.lastname@tekes.fi

1.2.3 Joint project call in the field of biomaterials for medical applications and advanced materials for printed functionality (Academy of Finland, Tekes and Japan Science and Technology Agency)

Aim

The Academy of Finland, Tekes and the Japan Science and Technology Agency (JST) are launching a Finnish-Japanese joint call. The aim is to promote Finnish-Japanese research in the field of biomaterials for medical applications and advanced materials for printed functionality. Another aim is to support long-term systematic Finnish-Japanese research collaboration of a high standard with a view to promoting the creation and strengthening of research collaboration networks between Finland and Japan.

A joint call in the thematic area of functional materials is arranged in three successive years, and the theme is defined in a different way each year. This is the third call and a description of its themes is available in Appendix 4 of this call for applications.

A joint research plan is submitted to national funding agencies

The applicant is a researcher. The application shall include a joint research plan drafted by the Finnish research team and the Japanese research team. The research 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 research plan shall also include a joint budget and a separate budget for both partners. The partners shall apply for funding for their own projects from their national funding agencies. Finnish researchers can apply for funding either from the Academy, Tekes or both. Applicants applying for funding

from the Academy shall follow the Academy's general application guidelines. Applicants applying for funding from Tekes shall meet the qualification requirements set by Tekes and follow its guidelines. Japanese researchers apply for funding from the JST in accordance with the JST's guidelines. The Academy advises applicants to make sure that their partner is eligible to apply for funding from the JST. The submission deadline is the same in both countries but the Japanese researcher shall check the internal deadline for submitting applications at his or her university or research institute.

Funding

Within the call, funding is granted for a minimum of three three-year joint projects. The funding agencies providing funding can be either the Academy of Finland and the JST, Tekes and the JST, or the three organisations together. Funding is intended towards the salaries of the researchers (only in Finland), supporting researcher mobility, for acquisition of material and research equipment, for other costs (e.g. arranging research workshops and seminars), and for indirect employee costs of salaries and for overheads. The Academy can grant to a Finnish research team a maximum of 120,000 euros/joint project/year, altogether 360,000 euros for a three-year project. The full cost model applies to this call.

Funding period

Funding for joint projects is granted for three years. The funding period starts in May 2011.

Review of applications

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

- scientific quality and innovativeness of the research plan
- significant 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.

Appendices

Obligatory appendices:

- research plan, no more than 15 pages, including
 - o a clear description of the planned research and research collaboration (distribution of work and methods of implementation) and the added value generated by collaboration
 - o joint budget including separate budgets for both partners
 - o justification for the funding applied for
 - o description of any researcher training to be carried out within the project
 - o mobility plan that shall detail the research project's national and international mobility plans during the funding period, describe the involvement of foreign researchers in the project, and explain other ways in which 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 applicant, no more than four pages
- lists of publications of the Finnish and the Japanese applicant (the number of the publications is not limited). Clearly indicate the ten most important publications in both lists of publications in terms of the research plan.

Case-specific appendices:

- invitation from a 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). Ethical aspects shall always be specified in the research plan.
- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, 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 the applicant's Academy-funded research projects for which final reports have not been submitted.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'. The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

How to apply

In this call, the full cost model applies to the calculation of the costs of the Finnish research project. The costs of the Japanese partners are given only in 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 form on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [Full cost model](#).

The application deadline for funding to be applied from the Academy is 29 October 2010 at 16.15. The deadline is non-negotiable. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **Joint project call: Biomaterials and printed functionality (Academy of Finland, Tekes, JST)**.

The Japanese partner submits its application to the JST in accordance with the JST's guidelines. Applicants applying for funding from Tekes submit their applications to Tekes in accordance with Tekes' guidelines.

Further information

- Science Adviser Aki Salo (Health Research Unit), tel. 040 591 3596
- Science Adviser Samuli Hemming (Natural Sciences and Engineering Research Unit) , tel. (09) 7748 8480
- Senior Technology Adviser Markku Lämsä, tel. 010 60 55793, firstname.lastname@tekes.fi
- www.jst.go.jp/EN/
- www.tekes.fi/en and www.tekes.fi/materiaalit

1.3 Research Programme on the Future of Housing and Living 2011

The themes of the Research Programme on the Future of Housing and Living (ASU-LIVE) cover a wide range of recent housing trends and particularly various social, economic, technological and environmental issues related to housing and living. As well as producing

high-level scientific results, the programme is expected to further deepen the dialogue between researchers and end-users of knowledge and to raise debate about the results of basic research at as early a stage as possible. At the same time, the aim is to support and promote the immediate application of new research results. The programme will also support doctoral training and subsequent research careers within this field, promote the international networking of researchers and advance national multidisciplinary cooperation.

The scientific goals of the programme are to:

- examine future living and housing as a whole, from the resident's perspective, including a range of related topics from environmental and consumer issues to cultural factors and factors influencing residents' health
- emphasise the connections of basic research with housing practices (building construction, urban planning, housing policy, regional and community planning etc.)
- produce internationally significant research evidence on living and housing
- strengthen multidisciplinary competencies and research environments in areas that will promote the development of housing research in Finland.

The programme's research policy objectives are to:

- create new national and international research networks
- increase the mobility of doctoral students and researchers
- promote coordination and cooperation with other national (e.g. sectoral research institutes, Metropol research, the Strategic Centre for Science, Technology and Innovation on Build Environment) and international partners
- raise public debate on the future of housing and living and facilitate informed decision-making.

Themes of the research programme

The Future of Housing and Living research programme is structured around three closely related themes: lifespans, spaces and society. These themes and their interconnections locate the key subject areas in which the programme is expected to produce significant research results. The concept of housing as applied in the programme ties together questions of housing through to urban and regional planning, political decision-making and its impacts. However, the main focus throughout is on the individual resident. It follows that the programme excludes such research questions that are concerned purely with construction techniques, material properties or, say, indoor air quality. Projects funded under the programme are expected to espouse a genuine multidisciplinary approach and to produce research results that have wide-ranging applicability.

Applicant

Funding can be applied for by individual research projects and by consortia composed of two or several research teams. The applicant is a researcher.

Funding period

Funding within the ASU-LIVE research programme is granted for four years. The Board of the Academy of Finland will decide on the total budget allocated for the programme in November 2010. The funding period normally starts on 1 September 2011.

Programme memorandum

The programme memorandum contains more detailed information on the programme's background, aims, themes, detailed application guidelines and the appendices to be appended to the application. The programme memorandum is available on the Academy of Finland [website](#)

(www.aka.fi/asu > in English) at or upon request from the Registrar's Office of the Academy. It is essential to read the programme memorandum in order to submit a competitive application.

Appendices

Letter of intent of the principal investigator of an individual project

- 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

Letter of intent of a consortium

Only the consortium leader submits a letter of intent.

- plan of intent of 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/researcher
- lists of publications for the consortium leader and the principal investigators of the sub-projects. Clearly indicate the ten most important publications in terms of the research plan for each sub-project principal investigator.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'. The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

How to apply

The research programme has a two-stage call. **Letters of intent** shall be submitted to the Academy's online services no later than 29 October 2010 at 16.15. The deadline is non-negotiable. Applications with appendices are drafted in English at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **The Future of Housing and Living research programme, letters of intent**.

Projects to be invited to submit their **full applications** will be selected on the basis of the plans of intent by early December 2010. Applicants who are requested to submit full applications will be required to submit their applications to the Academy's online services no later than 31 January 2011 at 16.15. The deadline is non-negotiable.

In this call, the full cost model applies to the calculation of the costs of a research project. 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 form on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [Full cost model](#).

More detailed application guidelines are available in the programme memorandum at www.aka.fi/asu (in English).

Further information

- Programme Manager Petteri Pietikäinen (Programme Unit), tel. 0400 362 808
- Project Secretary Hanna-Kaisa Haaksi (Programme Unit), tel. 040 7771 495
- www.aka.fi/asu (in English)

1.4 Programme for Centres of Excellence in Research (2012–2017), second stage of the call

Aim

The aims of the programmes for Centres of Excellence in Research (CoE programmes) is to create favourable operating conditions for consortia of research teams and create potential for scientific breakthroughs. Aims also include promoting collaboration and the application of unique approaches at the interface of scientific disciplines and research fields. The CoE programmes further reinforce the use of research infrastructures, network Centres of Excellence nationally and internationally, promote the social impact of research and raise the quality standards, international competitiveness, visibility and esteem of Finnish research.

Applicants at the second stage of the call

Funding for Centres of Excellence (CoEs) is intended for internationally competitive researchers. The Centre of Excellence call has a two-stage call. Only applicants who have been selected to the second stage on the basis of their letters of intent in August 2010 are eligible to submit their full applications in the second stage of the CoE call.

Funding

CoE funding is granted towards the direct costs of a research project to cover expenses arising from, for example, the research team's working hours, research costs, travel, domestic and international cooperation and mobility, work and researcher training abroad, and the preparation of international projects.

In the previous CoE programmes, the Academy's funding per CoE has come to a maximum of 2 million euros for a three-year period. Funding for CoEs will be agreed on in funding negotiations. In addition to representatives of the Academy of Finland and the CoE, the negotiations are attended by representatives of the host organisations of the CoE, i.e. universities, research institutes, and any other funding bodies involved.

Funding period

The CoE term is for six years. CoE funding is granted for two three-year periods. The application now concerns funding for the first three-year period of the CoE, i.e. 1 January 2012–31 December 2014. The projects selected for the CoE programme shall apply for funding for the second three-year period, i.e. 2015–2017, separately in 2014.

No limit is set for the number of terms as a CoE. If a CoE applying for a continuation period and a new applicant are assessed scientifically equal, the new applicant will be appointed a CoE if it is not possible to appoint both.

Restrictions

Funding may be granted to cover the salary costs of the principal investigator of an Academy project for a period of no more than twelve months. The funds are intended to facilitate implementation of the project and they will only be made available 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.

Appendices

Obligatory appendices, separately defined in this call:

- research and action plan of the CoE for the years 2012–2017, no more than 20 pages (see separate guidelines)
- curriculum vitae for the CoE director, vice director and team leaders, combined as one document or as separate appendices, no more than four pages/researcher (see separate guidelines)
- lists of publications of the CoE director, vice director and team leaders, combined as one document or as separate appendices (see separate guidelines).

Case-specific appendices:

- statement by an ethics committee or the Committee on Animal Experimentation (if relevant). Ethical aspects shall always be specified in the research plan.
- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, 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 the applicant's Academy-funded research projects for which final reports have not been submitted. However, this does not apply to ongoing Centres of Excellence.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'. The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

How to apply

The applicant is a researcher and the application is submitted only by the director of the CoE. Please note that on the online application form you shall indicate the research teams of the CoE and their leaders as well as the staff of the teams. National and international collaboration shall also be indicated in the application form (section 'Partners').

In the CoE call, the full cost model applies to the calculation of the costs of a research project. 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 on the application form on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [Full cost model](#).

The application deadline is 29 October 2010 at 16.15. The deadline is non-negotiable. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **Centre of Excellence Programme in Research 2012–2017, second stage**.

Further information

- Science Adviser Maiju Gyran (Programme Unit), tel. 040 196 2729
- Project Secretary Ritva Helle (Programme Unit), tel. 040 5864 679
- Science Adviser Timo Sareneva (Biosciences and Environment Research Unit), tel. (09) 7748 8243
- Science Adviser Riitta Launonen (Culture and Society Research Unit), tel. (09) 7748 8229
- Science Adviser Maaria Lehtinen (Natural Sciences and Engineering Research Unit), tel. (09) 7748 8484
- Science Adviser Anu Nuutinen (Health Research Unit), tel. 040 527 3442

2. RESEARCHER

2.1 Academy Professors 2012

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. The research post as Academy Professor is intended for top 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 field and teaching associated with their research. The Academy encourages both men and women to come forward.

Funding

The Academy of Finland's funding for the salary of Academy Professors is determined according to a monthly salary of 8,030 euros. 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 be granted for research costs, for salary costs of a research team, and national and international collaboration and mobility.

Funding period

The research post as Academy Professor is filled for a maximum of five years at a time. Appointment for a second term is possibly only on the basis of exceptionally successful activity and a competitive research plan. The funding period starts on 1 January 2012 and ends on 31 December 2016 at the latest.

Two-stage call

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

Appendices

1) Letters of intent

Obligatory appendices:

- plan of intent, no more than four pages, for the research the applicant proposes to carry out during his or her term as Academy Professor
- curriculum vitae, no more than four pages
- list of publications, the length of which is not limited. Clearly indicate the ten most important publications in terms of the research presented in the plan of intent.

2) Full applications

Obligatory appendices:

- research plan for the term as Academy Professor 1 January 2012–31 December 2016, no more than twelve pages
- curriculum vitae, no more than four pages. Applicants are requested to give the starting and ending dates of their present and the most important previous employment relationships, as well as the Finnish- or Swedish-language titles of employment relationships in Finland.
- list of publications, the length of which is not limited. Clearly indicate the ten most important publications in terms of the research plan.

Case-specific appendices:

- invitation from a 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.
- progress report on the applicant's Academy-funded research projects for which final reports have not been submitted
- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, confirming that the applicant's projects is affiliated with the Strategic Centre and justifying the significance of the project for the Strategic Centre's operations.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'. The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

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 application deadline is 29 October 2010 at 16.15. The deadline is non-negotiable. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **Academy Professor**.

Further information

- Science Adviser Timo Sareneva (Biosciences and Environment Research Unit), tel. (09) 7748 8243
- Senior Science Adviser Raija Matikainen (Culture and Society Research Unit), tel. (09) 7748 8348
- Senior Science Adviser Ritva Taurio (Natural Sciences and Engineering Research Unit), tel. (09) 7748 8384
- Science Adviser Sara Illman (Health Research Unit), tel. 0400 125 236

2.2 Academy Research Fellows 2011

Aim

The aim of the research post as Academy Research Fellow is to provide an opportunity for the most talented and experienced researchers to develop their skills of academic leadership and to establish themselves as independent researchers. At the same time, the research post as Academy Research Fellow gives the researcher an excellent opportunity to work independently on their research and to develop research within their own 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.

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 application submission deadline (the doctoral degree certificate must have been dated between 29 October 2001–29 October 2007). Applicants who have gained their doctorate more than nine years ago can be considered only for very special reasons, such as maternity, paternity or parental leave, military service or non-military service, or long illness. If the applicant pleads these special reasons, they must be justified in the application form under ‘Personal data/CV: Degrees’.

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

Funding

The Academy of Finland’s funding for the salary for Academy Research Fellow is determined according to a monthly salary of 4,460 euros. In addition, the Academy allocates funding for indirect employee costs. The funding also includes an overheads percentage 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 for research costs, national and international collaboration and mobility, and for purposes of setting up a research team.

Funding period

The research post as Academy Research Fellow is filled for five years. The funding period is 1 September 2011–31 August 2016. The funding period can be changed only for special reasons (see section ‘Applicant’). One and the same person can be granted Academy Research Fellow funding only once.

Special conditions and restrictions

Research costs of Academy Research Fellow

Separate decisions are made on the salary and the research costs of an Academy Research Fellow. 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 full cost model applies to the calculation of the research costs.

The Academy of Finland Board has decided that if an Academy Research Fellow selected within the October 2010 call is granted funding for purposes of setting 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 the research post as Academy Research Fellow already has adequate 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) in Florence have agreed that the EUI can receive one Academy of Finland funded Academy Research Fellow at a time to carry out research at the EUI. Applicants who are interested in working at the EUI are requested to read in advance about the research conducted at the EUI and to contact the science adviser responsible for EUI issues when drafting their application.

Restrictions

In the October call, the Academy will consider only one application from the same applicant for an Academy project, a research post as Academy Research Fellow or a research post as Postdoctoral Researcher. If the same applicant submits more than one application for any of these funding instruments or applies for more than one type of funding, only the first application received from that applicant will be considered. Applications that are not reviewed for this reason will not be eligible to receive funding.

Recipients of personal Postdoctoral Researcher funding are not eligible to receive salary funding for an Academy Research Fellow if the funding term would partly overlap with the Postdoctoral Researcher term.

Appendices

Obligatory appendices:

- research plan, no more than twelve pages
- curriculum vitae for the applicant, no more than four pages, including the starting and ending dates of his or her employment relationships, as well as 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.
- Finnish doctoral degree certificate or an English-language degree certificate of a doctoral degree gained abroad.

Case-specific appendices:

- invitation from a 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). Ethical aspects shall always be specified in the research plan.
- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, 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 the applicant's Academy-funded research projects for which final reports have not been submitted.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'. The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

How to apply

The additional cost model (fixed overheads percentage of 12.5%) is applied to the application for salary costs. Applicants who are granted salary funding shall draft an 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 application deadline is 29 October 2010 at 16.15. The deadline is non-negotiable. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **Academy Research Fellow**.

Further information

- Senior Science Adviser Tiina Petänen (Biosciences and Environment Research Unit), tel. (09) 7748 8263
- Science Adviser Päivi Messo-Lindén (Culture and Society Research Unit), tel. (09) 7748 8224
- Science Adviser Jan Bäckman (Natural Sciences and Engineering Research Unit), tel. (09) 7748 8394
- Senior Science Adviser Saara Leppinen (Health Research Unit), tel. 040 848 6637
research stay at the EUI, www.eui.it
- Science Adviser Jyrki Hakapää, tel. (09) 7748 8349
- Science Adviser Satu Huuha-Cissokho, tel. (09) 7748 8488 (during 9–31 Aug 2010)

2.3 Postdoctoral Researchers 2011

Aim

The aim of the funding for Postdoctoral Researchers is to advance the professional competence and independence of young promising 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 periods as well as funding for returning to Finland.

Applicant

The applicant is a researcher who must have completed his or her doctorate **no more than four years** ago at the time of application submission deadline (the doctoral degree certificate must have been dated between 29 October 2006–29 October 2010). Applicants who have earned their doctorate more than four years ago can be considered only for very special reasons, such as maternity, paternity or parental leave, military service or non-military service, or long illness. If the applicant pleads these special reasons, they must be justified in the application form under 'Personal data/CV: Degrees, additional information'.

Funding

Funding can be applied for the Postdoctoral Researcher's own salary, personal research costs and international and national mobility (e.g. for travel and a grant for stay abroad). Funding is not granted for purposes of hiring a research team. The applicant and the site of research shall agree on the Postdoctoral Researcher's salary in accordance with the pay system of 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 grant.

Funding period

Funding for Postdoctoral Researchers is granted for three years. The funding period is during 1 September 2011–31 August 2014, and it can be changed only for compelling reasons (see section 'Applicant'). One and the same person can be granted the Academy's personal Postdoctoral Researcher funding only once.

Special conditions and restrictions

In the October call, the Academy will consider only one application from the same applicant for an Academy project, a research post as Academy Research Fellow or a research post as Postdoctoral Researcher. If the same applicant submits more than one application for any of these funding instruments or applies for more than one type of funding, only the first application received from that applicant will be considered. Applications that are not reviewed for this reason will not be eligible to receive funding.

Postdoctoral Researcher's research stay at the European University Institute

The Academy of Finland and the European University Institute (EUI) in Florence have agreed that the EUI can receive one or two Academy of Finland funded Postdoctoral Researchers at a time to carry out research at the EUI for 1–2 years. Funding for this purpose is applied for as part of the three-year research post as Postdoctoral Researcher. Applicants who are interested in working at the EUI are advised to read in advance about the research conducted at the EUI before applying and to contact the science adviser responsible for EUI issues when drafting their application (see Further information).

For more information on funding opportunities abroad for postdoctoral researchers, see section 2.4.1 of this call for applications, 'Ageing research: FLARE 2 Postdoctoral Researchers' and section 2.4.3, 'International researcher mobility based on bilateral agreements'.

Appendices

Obligatory appendices:

- research plan, no more than twelve pages
- curriculum vitae for the applicant, no more than four pages, including the starting and ending dates of his or her employment relationships, as well as 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.
- Finnish doctoral degree certificate or an English-language degree certificate of a doctoral degree gained abroad.

Case-specific appendices:

- invitation from a 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). Ethical aspects shall always be specified in the research plan.

- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, 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 the applicant's Academy-funded research projects for which final reports have not been submitted.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'. The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

How to apply

In this call, the full cost model applies to the calculation of the costs of a research project. 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 form on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [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 included in the application for Postdoctoral Researcher funding. Justification for the stay shall be given under section 6 "Researchers and research environment" of the research plan. The recommended amount of the grant paid in addition to salary is shown in Appendix 1. Travel costs of accompanying family members may be included in the cost estimate if the researcher and his or her family stay abroad longer than six months.

Under section 5, 'Implementation', of the research plan to be appended to the application, enter the monthly salary of the Postdoctoral Researcher (excluding indirect employee costs) together with justification for the estimated total project costs (including estimated research costs).

The application deadline is 29 October 2010 at 16.15. The deadline is non-negotiable. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **Postdoctoral Researcher**.

Further information

- Biosciences and Environment Research Unit
 - Science Adviser Kata-Riina Valosaari, tel. (09) 7748 8216
 - Science Adviser Annika Raitala, tel. (09) 7748 8323
- Culture and Society Research Unit
 - Science Adviser Helena Vänskä, tel. (09) 7748 8227
- Natural Sciences and Engineering Research Unit
 - Science Adviser Maaria Lehtinen, tel. (09) 7748 8484
 - Science Adviser Johanna Törnroos, tel. (09) 7748 8260
 - Science Adviser Jenni Virtanen, tel. (09) 7748 8298
- Health Research Unit
 - Science Adviser Antti Hautaniemi, tel. 040 759 9943
- research stay at the EUI www.eui.it
 - Science Adviser Jyrki Hakapää, tel. (09) 7748 8349

Science Adviser Satu Huuha-Cissokho, tel. (09) 7748 8488 (during 9–31 Aug 2010)

2.4 Special funding targeted at researchers

2.4.1 Ageing research: FLARE 2 Postdoctoral Researchers

Aim

The aim of the FLARE 2 Programme (Future Leaders of Ageing Research in Europe 2) is to promote future ageing research by supporting an interdisciplinary exchange of postdoctoral researchers in Europe. FLARE 2 projects shall be multi- or interdisciplinary projects in the field of ageing research. FLARE 2 is a pan-European programme that is jointly funded by several European countries that are members of the ERA-AGE 2 ERA-NET. The first FLARE call was carried out in 2007.

Each organisation participating in the programme provides funding to postdoctoral researchers of its own country. The Finnish funding bodies participating in the call are the Academy of Finland's Research Council for Health and Research Council for Culture and Society.

Applicant

The applicant can be a researcher who has completed his or her doctorate *no more than six years ago* (the doctoral degree certificate must have been dated between 15 October 2004–15 October 2010). In accordance with the international call for proposals, more than six years can have passed from earning the doctorate only in cases where maternity or paternity leave has been taken. If the applicant refers to such a case, he or she must give an account of it in the application.

Funding

Funding can be applied for the Postdoctoral Researcher's own salary, international mobility (e.g. for travel and a grant for stay abroad) and for personal research costs. Funding is not granted for purposes of hiring a research team. The applicant and the site of research shall agree on the Postdoctoral Researcher's salary in accordance with the pay system of 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 costs.

Funding period

FLARE 2 Postdoctoral Researcher funding is granted for three years. The funding period is primarily 1 June 2011–31 May 2014.

Special conditions and restrictions

The Postdoctoral Researcher term for which funding is applied for shall comprise a main project part of 24–30 months carried out in Finland (home institution hosting the project) and a mobility part of 6–12-months abroad (receiving institution) in one of the EU 27 countries or associated countries. During the research stay abroad the Postdoctoral Researcher shall work in a research organisation or a research team that carries out ageing research in a different research field (preferably another discipline) in another country.

Applicants for FLARE 2 Postdoctoral Researcher funding are also eligible to apply for Academy Postdoctoral Researcher funding. The same applicant cannot, however, receive simultaneously both FLARE 2 funding and other Postdoctoral Researcher funding.

How to apply and appendices

In this call, the full cost model applies to the calculation of the costs of a research project. In addition to the salary, also the travel costs, grant and necessary personal research costs are included in the estimated total costs for research. 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 on the application form on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [Full cost model](#).

The application procedure differs from the Academy's normal procedure. The **FLARE 2 Postdoctoral researcher call is an international joint call that opens in July 2010**. A more detailed international call for proposals, a list of appendices to be appended to the application and the application forms are available on the ERA-AGE 2 website at <http://era-age.group.shef.ac.uk>. Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the guidelines and written in English. All applications submitted to the programme will be reviewed by a joint international peer review panel.

The application deadline differs from the Academy's normal application deadline. The deadline is 15 October 2010 at 16.15. The deadline is non-negotiable. Researchers who will be working most of their Postdoctoral Researcher period in Finland submit their applications to the Academy of Finland. Applications for FLARE 2 funding are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application Ageing research: FLARE 2 Postdoctoral Researchers*.

Further information

<http://era-age.group.shef.ac.uk>

Applicants working in Finland are requested to contact Anu Nuutinen or Tiina Forsman before submitting their applications.

- Science Adviser Anu Nuutinen (Health Research Unit), tel. 040 527 3442
- Science Adviser Tiina Forsman (Culture and Society Research Unit), tel. (09) 7748 8443

2.4.2 Clinical researchers

Aim

The Research Council for Health supports researchers in clinical practice by means of 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 of the site of the research.

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

Funding period

Funding can be granted for a maximum of three years. The funding period starts on 1 September 2011.

Appendices

Obligatory appendices:

- research plan, no more than twelve pages
- curriculum vitae for the applicant, no more than four pages, including the starting and ending dates of his or her employment relationships, as well as 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.

Case-specific appendices:

- invitation from a 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). Ethical aspects shall always be specified in the research plan.
- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, 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 the applicant's Academy-funded research projects for which final reports have not been submitted.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'. The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

Restrictions

In the October 2010 call, funding can be granted to the same applicant only in one of the following funding opportunities: **promoting clinical research career**, research post as Academy Research Fellow, research post as Postdoctoral Researcher and Academy project. If the applicant has submitted more than one application within the same call for the above funding opportunities, only the application that has arrived first will be considered.

How to apply

The full cost model applies to the calculation of the costs of a project promoting the clinical research career. See the guidelines on how to enter the costs in the application form on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [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 total costs of the project for the purposes of promoting the clinical research career.

The applicant is a clinical researcher with a doctorate. In addition to funding for salary costs, funding is also applied for the necessary **research costs** with the **same application form**. The clinical researcher's monthly salary (excluding indirect employee costs) and the working hours to be used for the research are entered under section 5 ('Implementation') of the research plan to be appended to the application, together with a justification of the total project costs (including the estimated costs for research costs).

The application deadline is 29 October 2010 at 16.15. The deadline is non-negotiable. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **Clinical research career**.

Further information

- Science Adviser Sara Illman (Health Research Unit), tel. 0400-125 236

2.4.3 International researcher mobility based on bilateral agreements**2.4.3.1 Mobility funding****Aim**

Mobility funding is intended to promote 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, India, Japan and Russia**.

Applicant

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

Funding

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

Funding period

The funding period starts on 1 January 2011. Grants can be awarded for a maximum of twelve months for a two-year funding period.

The Academy's international agreements**China**

a) Grants of the National Natural Science Foundation of China (NSFC) for research in biosciences, the natural sciences and engineering sciences at Chinese universities. Funding applications can be made for the year 2011.

b) Grants for research in the natural sciences and engineering sciences at institutions of the Chinese Academy of Sciences (CAS). Funding applications can be made for the year 2011.

c) **CAS Fellowships** for applicants with PhDs: Visiting Professorships 2–12 months and Fellowships for Young International Scientists 12 months (+ 12 months. See section 2.4.3.2 of this call for applications, 'Fellowships from funding agencies outside Finland'.

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 the year 2011.

e) Research grants for arranging **Finnish-Chinese seminars** in Finland in 2011.

Taiwan

Primarily the following fields of research are 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 the years 2011 and 2012. The Academy of Finland answers for the costs of the Finnish participants and, correspondingly, Deutscher Akademischer Austausch Dienst (DAAD) for the costs of 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.

India

- a) Grants for research at Indian universities and research institutes in the following fields agreed 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
- 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 for **PhD students** for research in Japan (for twelve months at a time and for a maximum of two years)
- c) **Postdoctoral Fellowships** for 12–24 months to Japan (Japan Society for the Promotion of Science, JSPS Fellowship Programme). See section 2.4.3.2 of this call for applications, ‘Fellowships from funding agencies outside Finland’.
- 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

Own travel:

- invitation of the institution to be visited (exception: no invitation letter is required from researchers who will work in libraries or archives)
- curriculum vitae, 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 (Japan).

Invitation money:

- curriculum vitae, no more than four pages
- curriculum vitae for the researcher to be invited which must indicate the date of birth, highest academic degree and previous visits by the researcher to Finland on grants or other funding

- list of publications
- research plan, no more than five pages
- progress report.

Arranging seminars:

- curriculum vitae, 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 specification of the budget (e.g. rent for meeting premises, coffee serving, printing and mailing costs)
- tentative seminar programme.

Participation in seminars:

- curriculum vitae for the applicant
- 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 for mobility funding

The full cost model is not applied to personal grants.

The application deadline is 29 October 2010 at 16.15. The deadline is non-negotiable. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **Mobility from Finland** or **Mobility to Finland**.

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

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

Further information

More detailed country-specific information is available under the link of each country on the Academy's website at www.aka.fi/eng > For researchers > Funding opportunities > [International cooperation](#).

See also the Academy's website at [Researcher mobility and other contractual bilateral cooperation](#).

For further information you can also contact:

- Coordinator, International Relations, Marja-Liisa Liimatainen (International Relations Unit), tel. (09) 7748 8316 (Russia and Estonia)
- Coordinator, International Relations Kaisu Lindeman (International Relations Unit), tel. (09) 7748 8317 (China incl. Taiwan, India, Japan and Germany)

2.4.3.2 Fellowships from funding agencies outside Finland

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

2.4.3.2.1 JSPS Fellowship to Japan

The Japan Society for the Promotion of Science (JSPS) may grant researchers with PhDs a **JSPS Fellowship** for a 12–24-month stay in Japan.

Applications for the Fellowship are drafted on the JSPS application form. The JSPS has set certain specific conditions for applicants. There is a link to the application form and the application guidelines on the Academy of Finland website at www.aka.fi/eng > For researchers > Funding opportunities > International cooperation > Asia > Japan > Researcher mobility > under [Japan Society for the Promotion of Science Fellowships](#).

2.4.3.2.2 CAS Fellowship to China

The Chinese Academy of Sciences (CAS) may grant researchers with PhDs a **CAS Fellowship** under the following conditions:

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

Applications for the Fellowship are drafted on the CAS application form. There is a link to the application form and the application guidelines on the Academy of Finland website at www.aka.fi/eng > For researchers > Funding opportunities > International cooperation > Asia > China under [CAS Fellowship Program](#).

How to apply for Fellowships

The applicant is a researcher. The application procedure differs from the Academy's normal procedure. The applications are not submitted to the Academy's online services. Applications for JSPS Fellowships and CAS Fellowships shall be submitted to the Registrar's Office of the Academy of Finland by 29 October 2010 at 16.15. The address is Academy of Finland, Registrar's Office, POB 99, 00501 HELSINKI.

Further information

- Coordinator, International Relations, Kaisu Lindeman (International Relations Unit), tel. (09) 7748 8317

3 RESEARCH ENVIRONMENT

3.1 Research infrastructures (FIRI 2010)

Aim

The Academy of Finland provides funding for the acquisition, creation or enhancement of nationally significant research infrastructures that promote scientific research. These infrastructures constitute a pool of research tools, equipment, datasets and services that facilitates research, promotes research collaboration and strengthens research capacities. Research infrastructures may be located at a single place, scattered across numerous sites and organisations, or provided via a virtual platform.

The aim of the Academy of Finland's infrastructure call is to enhance the quality of Finnish science and research, to improve its competitiveness and capacity to renew itself, to promote interdisciplinarity, to increase the attractiveness of Finnish research environments and to promote both national and international cooperation between university research teams and individual researchers. Research infrastructures also serve to support researcher training and the development and application of scientific competencies and knowledge capital.

The FIRI 2010 memorandum provides more detailed information on the background to the call, its aims, application guidelines and how to draft appendices. The memorandum is available on the Academy's website at www.aka.fi/eng > For researchers > How to apply > Calls for applications > [FIRI 2010 memorandum](#). It is essential to read the memorandum in order to submit a competitive application.

Applicant

The applicant is a university or other research organisation together with a university. The partners' mutual responsibilities in terms of planning, operations and economy shall be presented in the joint project plan included in the application.

Universities shall present their applications in a priority order. Individual projects and joint projects shall be presented with separate priority lists. The priority list will demonstrate the university's commitment to the project if the project is granted Academy funding.

Funding

The budget of the call amounts at least to 10 million euros. An individual funding decision will be a minimum of 300,000 euros and a maximum of 1.5 million euros. Funding is intended to support the building of a new research infrastructure or to renovate and significantly upgrade an existing research infrastructure. The Academy does not provide funding to cover infrastructure operating costs. The Academy of Finland's funding for the acquisition, creation or enhancement of an infrastructure can come to no more than 70% of the total costs.

Funding period

Funding for research infrastructure projects is granted for a maximum of five years. The funding period normally starts in 2011.

Decision-making

The Board of the Academy of Finland decides on the infrastructures to be funded on the basis of the proposals by a broad-based sub-committee appointed by the Board and on the basis of national science-policy aspects.

Appendices

Obligatory appendices (see more detailed guidelines in the FIRI 2010 memorandum):

- project plan, no more than 20 pages, including:
 - a clear description of the proposed research infrastructure and project collaboration (distribution of work and methods of implementation) and the added value generated by collaboration
 - joint budget including separate budgets for any other partners
 - justification for the funding applied for
 - description of researcher training to be carried out within the project and the services the project will provide

- materials management plan for the project with an account of how the infrastructure project proposes to obtain its material, how the material produced by the project will be used and stored and how subsequent use of the material will be facilitated
- curriculum vitae for the principal investigator (coordinator) of the project
- as scanned attachment: a priority list confirmed by the university or research organisation with justification.

Case-specific appendices:

- statement by an ethics committee or the Committee on Animal Experimentation (if relevant). Ethical aspects shall always be specified in the research plan.
- statement by the executive director of a Strategic Centre for Science, Technology and Innovation, if relevant, 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.

Only the requested appendices are appended to the application. The appendices shall be drafted in accordance with the Academy's guidelines; regarding obligatory appendices, see the FIRI 2010 memorandum (published in August 2010), and regarding case-specific appendices, see www.aka.fi/eng > For researchers > How to apply > [Appendices](#). The appendices are drafted in the same language as the application and they are appended to the application form in the online services under section 'Appendices'. The only exception is the curriculum vitae that is appended to the application form under section 'Personal data/CV'.

How to apply

The full cost model applies to the calculation of the costs of the research project. Applications shall be written so as to ensure that the Academy's contribution to funding comes to **no more than 70%** of the estimated total project costs. See the guidelines on how to enter the costs in the application form on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [Full cost model](#).

The application deadline is 29 October 2010 at 16.15. The deadline is non-negotiable. Applications are drafted at www.aka.fi/eng > For researchers > [Log in to online services](#). Log in and select *New application* > **FIRI 2010**.

Further information

Applicants are requested to read the more detailed guidelines available on the Academy of Finland website and in the FIRI 2010 memorandum at www.aka.fi/eng > For researchers > How to apply > Calls for applications > [FIRI 2010 memorandum](#). The guidelines are available in August.

For further information you can also contact:

- Senior Science Adviser Eeva Ikonen (International Relations Unit), tel. (09) 7748 8233
- Senior Science Adviser Jussi Lindström (Biosciences and Environment Research Unit), tel. (09) 7748 8234
- Senior Science Adviser Hannele Kurki (Culture and Society Research Unit), tel. (09) 7748 8398
- Science Adviser Antti Vähkönen (Natural Sciences and Engineering Research Unit), tel. (09) 7748 8410
- Science Adviser Antti Hautaniemi (Health Research Unit), tel. 040 759 9943

4. ADVANCE INFORMATION ON THE ACADEMY'S CALLS

4.1 The Academy of Finland's upcoming calls

The Academy's next application round proper is in April 2011. The April call for applications will be published on the Academy's website most likely in March 2011 and applications can be submitted in the online services most likely during 4–29 April 2011.

This advance information is tentative. Some of the calls mentioned here will open in autumn 2010 or in early 2011. Information on calls open for application will be provided on the Academy's website at www.aka.fi/eng > For researchers > [Open for application](#).

4.1.1 Advance information on Finnish-German call for cooperation of doctoral programmes with DFG

Funding for cooperation of Finnish and German doctoral programmes (graduate schools) can be applied for in January 2011. The Academy of Finland and Deutsche Forschungsgemeinschaft (DFG) support particularly joint training programmes, seminars and short-term visits of doctoral programmes. The aim is to upgrade the quality of doctoral education at Finnish and German universities. It also serves to broaden the scope of doctoral education by providing complementary knowledge and expertise to the partners. In Finland, only doctoral programmes (former graduate schools) funded by the Ministry of Education, Science and Culture are eligible to apply. In Germany, research training groups currently funded by the DFG are eligible to apply.

Further information

Further information will be provided in December 2010 at www.aka.fi/eng > For researchers > How to apply > Calls for applications, DFG call

- Science Adviser Aki Salo, tel. 040 591 3596,
- Programme Officer Katja Fettelschoß, email: [katja.fettelschoss\[at\]dfg.de](mailto:katja.fettelschoss[at]dfg.de)

4.1.2 Computational Science Research Programme (LASTU)

The Academy of Finland's Computational Science Research Programme (LASTU) will open a second call in 2011 provided that the Academy Board so decides in autumn 2010. The primary aims of the research programme are to increase interdisciplinary interaction, to promote the use of computational methods, to improve methodological skills and competencies, to promote good practices and to step up international networking.

In the second call of the LASTU programme, applications are expected from ambitious projects in different disciplines, particularly in the fields of biology, medicine and social sciences. In terms of methodological skills and competencies, a particular focus in the second call will be on the development of computational methods, including mathematical modelling and data intensive computing.

Further information

- LASTU website at www.aka.fi/lastu (in English)

- Programme Manager Pentti Pulkkinen (Programme Unit), tel. 040 547 7654

4.1.3 Research Programme on Climate Change (FICCA) – Its consequences and how to mitigate climate change

The Academy of Finland's Research Programme on Climate Change (FICCA) is planning a funding opportunity for joint research projects to be carried out with Russian and Chinese researchers. The call will be arranged by the Academy of Finland and the Russian Foundation for the Humanities (RFH), and the Academy of Finland and the Chinese Academy of Social Sciences (CASS) and the Ministry of Education of the People's Republic of China (MOE). Applications for funding will be invited most likely in April 2011.

Further information

- FICCA website at www.aka.fi/eng/ficca
- Programme Manager Paavo-Petri Ahonen (Programme Unit), tel. 040 189 6233

4.1.4 Joint project call in the field of material research (Academy of Finland and Indian Department of Science and Technology)

The Academy is preparing a Finnish-Indian call for joint research projects in the field of material research that will open most likely in April 2011. The call will be arranged by the Academy of Finland and the Indian Department of Science and Technology (DST), Ministry of Science and Technology.

Further information

- www.aka.fi/eng/fi/A/For_researchers/Funding_opportunities_/International-Funding/Asia/India/Joint_projects/
- Senior Science Adviser Jaana Roos (Programme Unit), tel. 040 586 4587

4.1.5 Joint project call in the field of food research (Academy of Finland and Indian Department of Biotechnology)

The Academy is preparing a Finnish-Indian call for joint research projects in the field of food research that will open most likely in April 2011. The call will be arranged by the Academy of Finland and the Indian Department of Biotechnology (DBT), Ministry of Science and Technology.

Further information

- www.aka.fi/eng/fi/A/For_researchers/Funding_opportunities_/International_funding/Asia/India/Joint_projects/
- Senior Science Adviser Jaana Roos (Programme Unit), tel. 040 586 4587

4.2 International calls

4.2.1 Advance information on NOS-HS Nordic exploratory workshops in the fields of humanities and the social sciences

The Academy's Research Council for Culture and Society takes part in the funding cooperation of the Joint Committee of the Nordic Research Councils for the Humanities and Social Sciences (NOS-HS). According to advance information, the NOS-HS will invite applications for funding for purposes of arranging a series of Nordic exploratory workshops in all fields of culture and society research in early 2011. The aim is to support new and innovative initiatives and promote the potential of Nordic researchers to take part in international research programme calls. According to advance information, the applicant can be a researcher with a doctorate from a university or research institute who is making preparations for workshops with researchers from at least two different Nordic countries. The call for applications will be published in early 2011 on the NOS-HS website at www.nos-nop.org.

Further information

- www.nos-notel.org
- NOS-HS Secretary Karen Lauterbach (NOS-HS Secretariat in Copenhagen), [kjla\[at\]fi.dk](mailto:kjla[at]fi.dk)
- Science Adviser Päivi Messo-Lindén (Culture and Society Research Unit), tel. (09) 7747 8224

4.2.2 ERA-NET calls

The ERA-NET scheme is a network within the EU Framework Programme for Research contributing to the promotion of cooperation between national research programmes and research funding agencies. ERA-NETs network national or regional programmes, support cooperation and coordination of national and regional research programmes, increase systematic exchange of information between programmes and map out obstacles to cooperation. The aim of ERA-NETs is to implement international joint calls.

More information on ERA-NETs in which the Academy takes part and on any other ERA-NET calls under preparation is available at www.aka.fi/eng > Academy of Finland > International > [ERA-NETs](#).

ERA-NET – WoodWisdom-Net2

The call is under preparation and it will open most likely in October-November 2010. After the details have been confirmed, information on the themes and timetable of the call will be posted on the website at www.woodwisdom.net. There will also be a link to the call information on the Academy's website at [Open for application](#).

Further information

- www.woodwisdom.net
- Science Adviser Maaria Lehtinen (Natural Sciences and Engineering Research Unit), tel. (09) 7748 8484
- Science Adviser Floora Ruokonen (Programme Unit), tel. 040 3533190

4.2.3 ERC Starting Independent Researcher Grant and Advanced Investigators Grant calls

The European Research Council (ERC) opens a call for **Starting Independent Researcher Grants** in summer 2010. The call for **Advanced Investigator Grants** will be opened in autumn 2010. Applications can be submitted in all fields of research.

The application time will end in steps according to research fields in different calls. Further information and detailed application guidelines are available on the ERC website at <http://erc.europa.eu>.

Academy of Finland support to researchers who have done well in ERC calls

The Academy may target funding to researchers who have done well in ERC calls but remained on the reserve list. This type of funding applies to calls for the Starting Independent Researcher Grant (ERC Starting Grant) and the Advanced Investigator Grant (ERC Advanced Grant). The funding by the Academy is intended to reinforce the international competitiveness of the researcher and the project he or she is heading. The condition for being eligible to receive this type of funding is to participate in the next possible ERC call. Finnish researchers who have remained on the reserve list are requested to contact the science adviser at the Academy.

Further information

- Science Adviser Maiju Gyran (Programme Unit), tel. 040 196 27 29

The call for applications is based on a document on the criteria for research funding decisions, approved and adjusted annually by the Board of the Academy of Finland. The document is available on the Academy's website at www.aka.fi/eng > For researchers > Funding decisions > [General decision criteria](#).

Please note that exceptionally two documents on the criteria for research funding decisions for 2010 have been approved; one for the year 2010 (approved 8 December 2009) and the other for the years 2010–2011 (approved 6 April 2010). The latter document will be applied to the calls opened in October 2010.

APPENDIX 1: Table of approximate sum of monthly grant in 2010–2011**Recommended monthly grant payable for researcher training and research abroad and for funding researcher mobility**

COUNTRY OR REGION	Researchers not receiving any grant or salary	Researchers receiving a grant or partial salary	Researchers receiving a full salary
Bulgaria	1,500 €	900–1,500 €	500 – 800 €
Czech Republic	”	”	”
Estonia	”	”	”
Hungary	”	”	”
Latvia	”	”	”
Lithuania	”	”	”
Poland	”	”	”
Romania	”	“	”
Slovakia	”	”	”
Slovenia	”	”	”
Argentina	1,700 €	1,100–1,700 €	700–1,000 €
Australia	”	”	”
Belarus	”	“	“
Brazil	“	“	“
Canada	“	“	“
Chile	”	”	”
China	”	”	”
Egypt	”	”	”
Germany	”	”	”
India	”	”	”
Italy	”	”	”
Russia (excl. Moscow)	”	”	”
Taiwan	”	”	”
Ukraine	”	”	”
Belgium	2,300 €	1,600–2,000 €	900–1,400 €

France	”	”	”
Netherlands	”	”	”
Nordic countries	”	”	”
Switzerland	”	”	”
USA	”	”	”
Great Britain	2,800 €	1,900–2,700 €	1,300–1,700 €
Japan	”	”	”
Republic of Korea	”	”	”
Russia (Moscow)	”	”	”
Other countries	800–2,300 €	400–1,700 €	0–1,000 €

In determining the grant amount, 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 grant amount.

The grant amounts awarded take into account of the grant recipient's obligation to take out pension, accident and life insurance. For more information see the insurance for recipients of grants and scholarships at Mela website at www.mela.fi >Recipients of grants and scholarships.

APPENDIX 2: Table of sums of grants in 2010–2011 for foreign researchers working in Finland**Recommended grant payable to foreign researchers working in Finland**

<i>Short-term visits:</i>	
Grants with compensation for accommodation 60–190 euros/day (including a personal grant of 35 euros and a maximum compensation for accommodation of 155 euros)	

<i>Visits lasting longer than one month, including compensation for accommodation:</i>	
Master's degree or corresponding	1,500–1,700 euros/month
PhD or corresponding	1,700–2,400 euros/month
Professor	2,400–4,000 euros/month

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

The grant amounts awarded take into account of the grant recipient's obligation to take out pension, accident and life insurance. For more information see the insurance for recipients of grants and scholarships at Mela website at www.mela.fi >Recipients of grants and scholarships.

APPENDIX 3: Academy of Finland classification of research fields as of 4 October 2010

Research field		Subfield	
No	Name	No	Name
101	Architecture	1011	Architecture
		1012	Community planning
102	Food engineering		
103	Energy engineering	1031	Bioenergy research
		1032	Fuel cells, solar energy
		1033	Combustion technology
		1034	Electric power engineering
		1035	Nuclear engineering: fission and fusion
104	Physics	1041	Atomic and molecular physics
		1042	Biological and soft matter physics
		1043	Fluid and plasma physics
		1044	Particle and nuclear physics
		1045	Optics, acoustics
		1046	Condensed matter physics
105	Geosciences	1051	Space physics
		1052	Geophysics and -chemistry
		1053	Geoinformatics
		1054	Geology
		1055	Geography
		1056	Meteorology and atmospheric sciences, climate research
106	Chemistry	1061	Analytical chemistry
		1062	Inorganic chemistry
		1063	Physical chemistry
		1064	Organic chemistry
		1065	Polymer chemistry
107	Mechanical engineering and manufacturing technology		
108	Computational science		
109	Medical engineering		
110	Mathematics	1101	Pure mathematics
		1102	Applied mathematics
111	Materials science and technology	1111	Biomaterials
		1112	Functional materials, semiconductors
		1113	Ceramic materials
		1114	Metals
		1115	Polymer materials
		1116	Wood and paper materials

112	Nanoscience and nanotechnology		
113	Process technology	1131	Biomass refinery technology
		1132	Instrumentation engineering
		1133	Process control and control engineering
		1134	Technical chemistry
114	Construction and municipal engineering	1141	Geotechnical engineering
		1142	Construction engineering
		1143	Construction economics
		1144	Municipal engineering
115	Electrical engineering and electronics	1151	Automation and systems technology
		1152	Electronics
		1153	Signal processing
		1154	Electrical engineering
		1155	Computer engineering, computer architecture
		1156	Communications engineering
116	Industrial biotechnology	1161	Biocatalysis
		1162	Bioprocess engineering
		1163	Fermentation
117	Computer science	1171	Computational data analysis
		1172	Software engineering, operating systems, man-computer interaction
		1173	Theoretical computer science
		1174	Information systems science
118	Statistics		
119	Industrial management		
120	Astronomy	1201	Solar, stellar and interstellar matter physics
		1202	Solar system physics and planetary science
		1203	The Milky Way, galaxies and cosmology
121	Environmental engineering	1211	Mining and minerals engineering
		1212	Remote sensing
		1213	Marine technology
		1214	Industrial processes

201	Biochemistry, biophysics		
202	Ecology, evolutionary biology and ecophysiology		
203	Plant biology		
204	Developmental biology and physiology		
205	Microbiology		
206	Genetics		
207	Cellular and molecular biology		
208	Systems biology, bioinformatics		

209	Environmental science	2091	Ecotoxicology and environmental impacts
		2092	Environmental research

301	Food sciences		
302	Agricultural sciences		
303	Forest sciences		

401	Biomedicine		
402	Veterinary medicine		
403	Pharmacy		
404	Dental science		
405	Nursing science		
406	Public health research		
407	Clinical medicine		
408	Sport sciences		
409	Nutrition		
410	Environmental health research		

501	Neuroscience	5011	Molecular and cellular neuroscience
		5012	Systemic and cognitive neuroscience

601	Human geography	6011	Economic geography, regional development and tourism research
		6012	Social and cultural geography, urban studies, regional studies
602	Economics		
603	Education	6031	Adult education
		6032	Vocational education research
		6033	Special education
		6034	Education evaluation
		6035	Early childhood education and preschool education
		6036	General education and teacher education
604	Development research		
605	Business economics		
606	Women and gender studies		
607	Law		
608	Psychology	6081	Developmental psychology, educational psychology
		6082	Psychotherapy
		6083	Health psychology
		6084	Work and organisational psychology
609	Social sciences	6091	Anthropology and ethnology

		6092	Social psychology
		6093	Sociology, demography
		6094	Social policy, social work
610	Science studies		
611	Political science	6111	Public administration
		6112	International relations
		6113	Politology
612	Communication	6121	Informatics
		6122	Journalism
		6123	Library and information science
		6124	Speech communication, organisational communication
		6125	Media and communication research
613	Environmental social science research		

701	Philosophy	7011	History of philosophy
		7012	Practical philosophy
		7013	Theoretical philosophy
		7014	Philosophy of science and methodology
702	History and archaeology	7021	Archaeology
		7022	History
703	Linguistics	7031	Phonetics
		7032	Language, society and culture
		7033	Applied linguistics
		7034	Individual languages and language regions
		7035	General linguistics
704	Literature research		
705	Design research	7051	Artistic design
		7052	Industrial design
706	Art research	7061	Film and television research
		7062	Aesthetics
		7063	Folklore studies
		7064	Musicology
		7065	Semiotics
		7066	Art research, art history, architecture
		7067	Theatre research, dramaturgy
707	Theology	7071	Exegetics
		7072	Church history
		7073	Church sociology
		7074	Practical theology
		7075	Systematic theology
		7076	Comparative religion

Further information:

[www.aka.fi/eng/fi/A/For researchers/How to apply/Guidelines_/Classification of research fields/](http://www.aka.fi/eng/fi/A/For_researchers/How_to_apply/Guidelines_/Classification_of_research_fields/)

It is important that not only the relevant category from the classification of research fields but also free form keywords describing the research and research methods are entered in the application form.

APPENDIX 4: Themes for the Finnish-Japanese call in the field of biomaterials for medical applications and advanced materials for printed functionality

Appendix to section 1.2.3 of the October call for applications: Joint call in the field of biomaterials for medical applications and advanced materials for printed functionality (Academy of Finland, Japan Science and Technology Agency JST and Tekes)

Appendix to the Academy October 2010 Call

Joint call in the field of ‘Biomaterials for medical applications’ and ‘Advanced materials for printed functionality’ (Academy of Finland, Japan Science and Technology Agency JST and Tekes)

Japan Science and Technology Agency (JST), the Academy of Finland (AF) and the Finnish Funding Agency for Technology and Innovation (Tekes) invite researchers to submit proposals for collaborative research projects within the field of ‘biomaterials for medical applications’ or ‘advanced materials for printed functionality’. These research fields are currently undergoing remarkable development and are considered important on a global scale in achieving steady growth and sustainability in the long run. The research activities in these areas are strong both in Japan and Finland, and the collaboration potential between the two countries is significant. Possible research topics for **‘biomaterials for medical applications’** are for example: *biomaterials for implants and prostheses, biodegradable polymers, new materials to be used as controlled release reservoirs for targeted drug or gene delivery, and materials for diagnosis technology.*

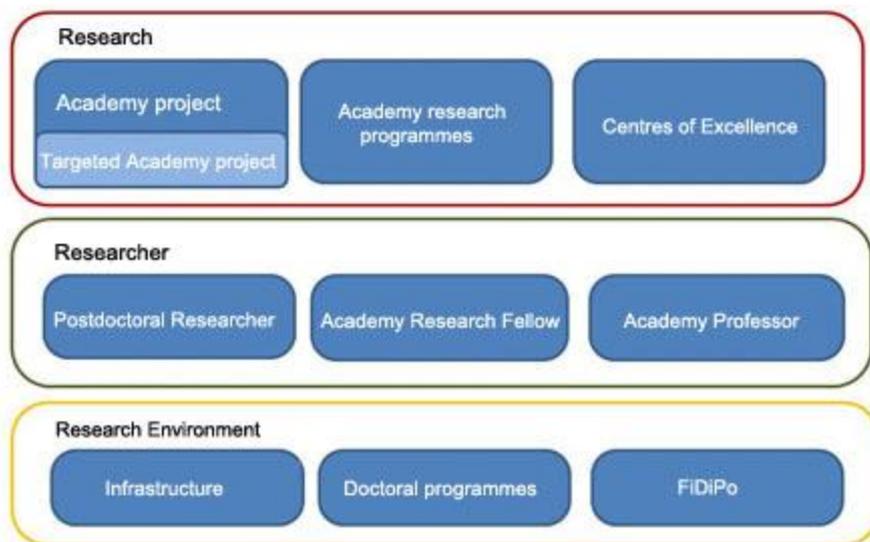
The research for **‘advanced materials for printed functionality’** focuses on development of novel functional printable materials and associated printing technology. Possible research topics are for example: *paper as substrate material for printable devices, carbon-based materials for printable electronics, materials and printing technology for printable 3D structures, materials for printable display technology, and tailored advanced inks enabling extreme functionality.*

This is the third call of the three joint calls that JST, AF and Tekes have arranged within the field of functional materials during the years 2008–2010. In each of the three joint calls, at least three joint projects will be funded. Each project will run for three years. The aim of these calls is to strengthen the collaboration between Japan and Finland to achieve world-class scientific results, leading towards new innovative technologies.

APPENDIX 5: The reforms in brief

Substantial changes are made to the Academy's **funding instruments** in autumn 2010. These changes are intended to streamline the Academy's funding system and to increase the flexibility, efficiency and effectiveness of Academy research funding. In connection with this reform the Academy's application times are also changed and the Academy's online service upgraded.

1. The reform of Academy funding instruments



All funding instruments are designed to support a high scientific quality and international cooperation. Researcher mobility across international, organisational and disciplinary borders is also supported in connection with all Academy funding opportunities.

More information on the new funding instruments is available in the call for applications and on the Academy's website at www.aka.fi/rahoitusuudistusinfo (in Finnish).

2. New application times

The Academy has two main application rounds: one in autumn and the other in spring. All funding opportunities open for application in autumn are described in detail in the October 2010 call for applications.

In October 2010, applications for funding can be submitted e.g. for the following purposes:

Research: Academy project (previously general research grant), targeted Academy project (several calls), Research Programme on the Future of Living and Housing, Centre of Excellence call, second stage of application

Researcher: Academy Professor, Academy Research Fellow, Postdoctoral Researcher

Research environment: infrastructure call FIRI 2010.

The next call equivalent to the October 2010 call will open in autumn 2011.

In April 2011, applications for funding can be submitted e.g. for the following purposes:

Research: research programmes LASTU and FICCA, second stage of application, targeted Academy project (cooperation with India)

Researcher: international calls may open

Research environment: calls may open

3. The online service system is upgraded

Detailed information on the new online services will be posted on the Academy's website at www.aka.fi/eng > For researchers > How to apply > [Call for applications](#), before the October 2010 call opens.