

## **Springboard scheme for biomedical scientists**

Guidance notes for completing the online application form

This document guides you through submitting a full application for the Springboard funding scheme. All applications to the scheme must first undergo triage at an eligibility Higher Education Institution (HEI). To gain access to the full application form, you will already have been successful in your institution's internal selection and will have received the link to the portal via email. Some points of guidance on completing the application are integrated into the form, whilst these notes are supplementary to those.

The Academy of Medical Sciences embraces the broad diversity of biomedical research and its non-clinical Fellows represent the breadth of the field. We encourage Springboard applicants from molecular, cellular and structural biology to anatomical, physiological, psychological, epidemiological and public health research areas. You may use experimental or theoretical approaches and be undertaking basic laboratory research through clinical application to healthcare delivery, but your work must reflect the Academy's mission to improve human health through research.

## **Springboard assessment criteria**

The key assessment criteria that will be considered (and will have equal weighting) are in three areas:

- The applicant (your academic track record; potential benefit of the project to your career; clarity of plans for obtaining further funding; and your career aspirations)
- Research quality (the importance and relevance of the research question; quality and appropriateness of the research methodology; and degree of innovation)
- Research environment and support (quality of the research environment and availability of appropriate support; quality of Data Management and Sharing plans, where provided; and satisfactory statements of support from your Head of Department and Springboard Champion)

## **General guidance**

### **Dates**

Where dates are requested, you can provide a date to the nearest month by indicating the first day of the relevant month.

### **Electronic signatures ('Participants')**

Before submitting your application, you need to have three accompanying declarations of support confirming the validity of the application. These declarations will be from your Head of Department, Springboard Champion and Finance Officer. To invite someone, simply select 'Participants' at the top of the application summary and click 'Invite' next to the corresponding name. These individuals will then receive an email, with a link, inviting them to complete the relevant declarations, and 'Submit' their section of the form. **Please note that all declarations must be completed before the applicant can submit the form.**

### **File uploads**

Files for upload - such as figures and tables, or collaborator letters of support - should be saved in .pdf format. Where a letter is requested, letters should be signed and on letter headed paper.

### **Global Challenges Research Fund (GCRF) remit**

In this round, a small number of awards will be available for research that falls within the remit of GCRF, as set out by the UK Government Department of Business, Energy and Industrial Strategy (BEIS). Further information regarding eligibility [can be found below](#).

### **Word limits**

Please note that the answers for certain questions have a maximum word limit. If text exceeding this length is copy/pasted into the space provided, the passage will be truncated accordingly.

## **Application form guidance**

### **Page 1: Contact information**

On this page you will be asked to provide details for yourself and your host institution. Additionally, you will need to provide an ORCID ID number.

#### **ORCID ID Number**

We ask you to provide your ORCID iD (Open Researcher and Contributor identifier; <http://orcid.org/>). ORCID is an open, non-profit effort to create and maintain a registry of unique researcher identifiers and a transparent method of linking research activities and outputs to these identifiers. The ORCID Registry is available free of charge to researchers, who may obtain an ORCID iD, manage their record of activities, and search for others in the Registry. The Academy recognises the benefits of this effort and requires that applicants obtain an ORCID iD.

Please enter your ORCID ID using the following format: <http://orcid.org/0000-0002-1825-0097>.

### **Page 2: Current post**

On this page you will be asked to provide details of your current post including start dates for your current position and clarification of your independence:

#### **How does your current post differ from those you have previously held, and how does this demonstrate your research independence?**

To be eligible for Springboard, you must be in your first appointment as a group leader. The aim of this question is to understand how this position differs from previous posts at post-doctoral level and to draw out your independence.

### **Page 3: Financial support**

On this page you will be asked to provide details of your current financial support, including the funders and your role on the associated grant.

You will be asked to complete 2 tables:

1. The total funding you have secured within your current post. This funding may expire before the Springboard award.
2. The funding available during the award period only. To be eligible for Springboard, you must not be in receipt of over £150,000 during this period excluding personal salary, overheads or indirect costs.

### **Page 4: Career history**

Please use this page to provide an overview of your relevant qualifications, previous positions, research experience and publication record.

#### **Publications arising from your research**

In this section, you should list all research papers in peer-reviewed journals, reviews and contributions to books. You may list publications that are still in press. Please only include conference proceedings if these are considered a major output in your discipline (e.g. engineering).

Please use the below format when citing publications and use an asterisk (\*) to highlight your name:

Bomken S\*, Buechler L, Rehe K, Ponthan F, Elder A, Blair H, Bacon CM, Vormoor J, Heidenreich O. Lentiviral marking of patient-derived acute lymphoblastic leukaemia cells allows *in vivo* tracking of disease progression. *Leukaemia* 2013;27: 718-721

#### **Provide details of up to three of your publications, which you consider the most significant or relevant to the application.**

In addition to using the format described in the above question when citing publications, please also provide a statement describing the contribution of each author in the study following the [CRediT Taxonomy of author contributions](#). All of the authors listed on the paper should be mentioned in this section at least once.

This question is intended to promote thorough consideration of the content of a publication or other research output, rather than the impact factor of the journal it is published in. The scientific content of a paper is much more important than publication metrics or the identity of the journal in which it was published. This is your opportunity to highlight the impact that your papers have made on your field of research.

The Academy is a signatory of the San Francisco Declaration of Research Assessment (DORA) and Panel members and peer reviewers are requested not to use journal-based metrics, such as Journal Impact Factors as a surrogate measure of the quality of individual research articles.

### **Page 5: Research proposal**

On this page you will be asked to give an outline of your proposed research area, research plan and any relevant collaboration.

#### **Proposed project start date**

You are required to enter a proposed project start date between February 2020 and July 2020. This is because the Selection Panel will meet in mid-November 2019; the award letters are expected to be released in January 2020 following formal approval by the Academy and awardees are requested to start their project within 6 months of the issue of that letter.

#### **Lay summary**

See our ten tips on how to write a lay summary on our [website](#).

### **Research proposal**

We are looking for a research proposal of high scientific merit and your application will be peer reviewed to assess this, as well as your research environment and your career plans. Please provide as much detail as possible to help us assess the quality of your proposal. See our tips on how to write a successful grant application on our [website](#).

Please note that the detailed proposal word limit is 1,500 words, excluding references. You will have the opportunity to present preliminary data, including figures, tables and accompanying legends, in support of your proposal as a separate upload.

### **Preliminary data**

You are specifically encouraged to present preliminary data in support of your proposal, if you have any. You are allowed to submit up to two pages of preliminary data.

### **Reapplications**

If this is your second application to the scheme, this is your opportunity to respond to peer review and/or Panel discussion comments made in your previous application and explain what changes you have made to the application. Please note that only one resubmission is permitted.

### **Application remit**

In this round, a small number of awards will be available for research that falls within the remit of:

- The British Heart Foundation, i.e. cardiovascular disease.
- Diabetes UK, i.e. diabetes-related research.
- The Global Challenges Research Fund (GCRF), as set out by the UK Government Department of Business, Energy and Industrial Strategy (BEIS).

### **Global Challenges Research Fund (GCRF) remit**

GCRF forms part of the UK's Official Development Assistance (ODA) commitment, which focuses on outcomes that promote the long-term sustainable growth of countries on the [OECD Development Assistance Committee \(DAC\) list](#). GCRF funding is awarded in a manner that fits with Official ODA guidelines.

Research that is eligible to receive funding through GCRF will focus on promoting the welfare or economic development of a country on the DAC-list, addressing one of the identified Global Challenge Areas.

That is, research that addresses the global challenges directly relevant to developing countries by:

- Promoting challenge-led disciplinary and interdisciplinary research focussed on topics relevant to DAC-listed countries.
- Building capacity for research, innovation and knowledge exchange in the UK and DAC-listed countries through research partnerships.

When applicants are completing the relevant questions under this heading, they should clearly outline the benefit that this proposal will have to the DAC country/countries in question, supporting these answers with statistics where possible.

Additional information regarding GCRF can be found on the government webpage [here](#), but if you are unsure whether your proposal meets these criteria please contact the office at [springboard@acmedsci.ac.uk](mailto:springboard@acmedsci.ac.uk)

### **Collaborations**

In this question, you will need to provide letters of support from each collaborator of this project. The letter should be signed and on letter headed paper.

### **Career plans**

The question aims to draw out your broader aims and objectives during the course of your Springboard funding and your ambitions for the future. Please detail any plans to seek further funding following this award.

### **Other grant applications**

You can apply for funding from other funding bodies concurrently with Springboard applications, but the Academy must be informed of this at the time of application, where possible, or at the point of application to another funding body.

You should not be in receipt of more than £150,000 additional research funding over the 2-year award period, excluding your personal salary, overheads and indirect costs.

If you are applying for concurrent substantial funding from other organisations, you will be asked to choose between the two awards should you be successful in both applications (and if the substantial funding threshold is exceeded, or the research proposal is the same).

### **Page 6: Budget request**

On this page you will need to detail the budget for your research grant application.

#### **Budget**

Springboard awards offer flexible funding at the value of £100,000, which can be used for support staff (PhD students, postdoctoral staff, technicians etc.), technical support, laboratory consumables, equipment, animal costs, publications, training and travel. Please clearly distinguish costs for support staff from costs for technical support; technical support refers to already available staff/facilities within your institution. Where funds are requested for the employment of PhD students, the institution must commit to supporting the student past the two years of the Springboard award through institutional funds, if another source of funding is not made available to the award holder. Overheads are not covered by this scheme.

Where you are asked to justify your budget request, please clearly outline:

- any unusually high costs or unusual budgetary items, giving a breakdown of what this funding will be used to purchase
- how any technical support requested will contribute to the research

Where support for staff or students is requested, you should clarify what their role will be in the project.

### **Page 7: Animal use**

If your proposal features the use of animals or animal tissue, you will need to explain why this is necessary and justify the choice of species and number of animals used.

#### **Does your proposal involve the use of animals or animal tissue?**

The Academy of Medical Sciences is a signatory of the Concordat on Openness on Animal Research. We are committed to being open about when, how and why animals are used in the projects we fund. In addition, we aim to ensure that every effort is made to replace, refine and reduce animals in research. For more information please see [www.nc3rs.org.uk](http://www.nc3rs.org.uk).

This section gives applicants the opportunity to explain the use of animals in their project proposals and the measures in place to ensure openness about their use. If your proposed research involves animal experiments, we encourage you to consult the NC3Rs [Experimental Design Assistant](#) (EDA) to help you design your study. Where non-human primates, cats, dogs or equines are used, anonymised information will be sent to the NC3Rs for review.

### **Page 8: Human tissues and subjects**

If your proposal features the use of human tissues or subjects, you will need to confirm that the study has been approved and enclose details of the approval.

#### **Does your proposal involve the use of human tissue or subjects?**

Research involving human participants is governed by principles outlined in the Declaration of Helsinki, the Nuremberg Code, and the Council for International Organizations of Medical Sciences (CIOMS), all of which set out requirements with regard to the rights and safety of research participants and standards for research design and conduct.

The Academy requires researchers to have the relevant regulatory and ethical approvals in place before the proposed research begins, although you may apply for funding before this. In the event of an award being made, commencement of any research involving human participants will be subject to these approvals being in place and confirmation of this being sent to the Academy.

### **Page 9: Data management and sharing**

If the proposed research will generate data outputs that hold significant value as a resource for the wider research community, please detail any plans for data management and sharing on this page.

#### **Will the proposed research generate data outputs that hold significant value as a resource for the wider research community?**

To maintain research integrity, institutions and researchers must ensure research data is preserved so that results can be verified and data reused in the future. The Academy expects all of its Springboard award holders to maximise the availability of research data.

You should consider your approach for managing and sharing data at the research proposal stage. Where the proposed research is likely to generate data outputs that will hold significant value as a resource for the wider research community (for example genome-wide sequencing data), you are required to submit a Data Management and Sharing plan to the Academy when submitting your application. The Academy will review those plans as a part of the funding decision.

We do not have a set format for Data Management and Sharing plans. You can structure your plan in a manner most appropriate to the proposed research. However, in considering your approach for data management and sharing, you should consider the following questions as briefly and unambiguously as possible.

1. What data outputs will your research generate and what data will have value to other researchers?
2. When will you share the data?
3. Where will you make the data available?
4. How will other researchers be able to access the data?
5. Are any limits to data sharing required - for example, either to safeguard research participants or to gain appropriate intellectual property protection?
6. How will you ensure that key datasets are preserved to ensure their long-term value?
7. What resources will you require to deliver your plan?
8. Does your Institution have a data repository that is available to you?

### **Page 10: Monitoring and marketing feedback**

On this page we request monitoring and marketing information for the applicant. Please note that monitoring information will not be used in the application review process; it is not provided to Panel members or reviewers. We request this information to monitor the Academy's activities with respect to the beneficiaries of proposals and awards, and the gender, ethnic origin and disability status of applicants. Marketing information is requested to help us monitor the effectiveness of our marketing activities. This information is also not used in the application review process.



### **Page 11: Applicant declaration**

In order to submit your application, you need to sign the declaration at the bottom of this page thereby confirming the validity of the application. Information that you have supplied within this form will be used to process your application and for the purposes of any audit and/or evaluation. Please read the undertakings on this page carefully and ensure that you fully understand the obligations you are agreeing to before signing the declaration.

### **Page 12-14: Supporting statements and declaration**

In order to apply to Springboard, you must have been short-listed by your Institution and have the support of your Head of Department and Springboard Champion. Their support and confirmation of your short-listing has to be demonstrated through the statements of support in this section.

Your **Head of Department**, **Springboard Champion** and **Finance Officer** will need to approve your application by signing the declaration on this page. You will not be able to submit your application without their approval.

To invite these individuals to access the form, select 'Participants' on the application summary page and click 'Invite' next to the relevant role title. These individuals will then receive an email, with a link, inviting them to complete the relevant declarations, and 'Submit' their section of the form. **Please note that all declarations must be completed before the application can be submitted.**