MRC – PERU FULL STAGE APPLICATION GUIDANCE

This guidance document is for applicants wishing to apply to the UK-Peru Relationship between Food, Nutrition and Health Scheme. This guidance supplements the MRC Handbook for Applicants. Please consult the MRC Handbook for Applicants for information such as preparing the budget for your proposal.

This present guidance document provides additional information specific to this call. Where guidance in the present document differs from that in the MRC Handbook for Applicants, you should follow the guidance in this present, scheme specific, document.

It is important that applicants read the below document as it includes important additional information that is not covered in the call text. It is also important that Peruvian colleagues ***read*** relevant guidance provided by CONCYTEC.

Contents

1. Important application information

The Medical Research Council (MRC), the Economic and Social Research Council (ESRC), Biotechnology and Biological Sciences Research Council (BBSRC), the Arts and Humanities Research Counci (AHRC) and Peru's Consejo Nacional de Ciencia, Tecnología e Innovación Tecnológica (CONCYTEC) are pleased to invite applications for research proposals to the UK-Peru: Relationship between Food, Nutrition and Health Scheme.

Researchers will be responsible for developing their own collaborations and, once a research proposal is developed, UK and Peruvian applicants must apply jointly for funding. For administrative purposes, all projects will have a Principal Investigator (PI) based at a UK Research Organisation (RO) and a Peruvian director based at a Peruvian RO. Partners must work together to complete one joint application to be written in English and submitted to the MRC via the MRC Joint electronic System (Je-S) System.

Research Grants under this call can be up to three years in duration and must start no later than **19 April 2019** and the end date of the proposed research should be no later than **31 March 2022**.

Funding for projects awarded under this call for proposals is provided by CONCYTEC as they will be the awarding body. This Peruvian funding will be addressed and executed by the Fondo Nacional de Desarrollo Científico y Tecnológico (FONDECYT).

For information FONDECYT is the Peruvian organisation in charge of managing the administrative aspects of CONCYTEC programmes

The total funding available for this call is as follows:

- **UKRI - 3M**
- **FONDECYT - up to – 9,000,000 Soles**

The funders' contributions to this initiative is expected to support both the UK and Peruvian components of up to 5 collaborative research projects subject to quality.

Support for the UK collaborators will be made available at a rate in line with standard (UK Research and Innovation) UKRI funding arrangements and at 80% full economic costing for supporting UK-based research.

All research proposed must meet Official Development Assistance (ODA) requirements and be specifically relevant to the Peruvian population. Funding will be awarded in a manner that fits with ODA guidelines. All applications under this call must therefore be compliant with these guidelines to be deemed eligible.

For further information on ODA please visit the Newton Fund webpage.

Key dates

Activity	***Date***
Expression of Interest deadline	16 August 2018
Full application submitted to MRC via the Joint Electronic System (Je-S) by the UK PI on behalf of the collaborators	20 September 2018
Peruvian teams register with **FONDECYT** for eligibility check	03 October 2018
Peer review	September – December 2018
PI response	10 – 17 December 2019
Panel meeting	January 2019
Inform outcome	February 2019
Projects start	No later than 19 April 2019

2. Who can apply?

2.1 Types of research organisations (ROs)

The UK principal investigator (PI) MUST be based at one of the following, as per standard MRC eligibility criteria:

- Higher education institutions
- Independent research organisations
- Government funded organisations (other than MRC funded units and institutes)
- MRC units/institutes
- University units (former MRC units)

For Peruvian applicants, further guidance can be found on **FONDECYT's** webpage.

Applications with industry engagement are welcomed, however, funding will not be provided to industrial partners.

The funders are not seeking to fund partners outside of the UK or Peru through this initiative. Please contact **international@mrc.ukri.org** if you are planning to involve a partner from a third country in your proposal.

See MRC Guidance for Applicants for further details about eligible institutions. This call will follow the standard MRC eligibility criteria.

2.2 People named on the grant

The UK principal investigators (PI)/Peruvian director

For awards under the UKRI – CONCYTEC scheme there will be a UK PI and a Peruvian director. The expectation is that the UK PI and associated costs for UK research would be funded by the MRC, while the Peruvian director and associated costs for research in Peru would be funded by CONCYTEC. Final budgets will be subject to negotiation, and possible currency exchange fluctuations.

The applicants are responsible for the intellectual leadership of the research project and for the overall management of the research. For administrative purposes, the UK PI and the Peruvian director will be considered as the PI/director for UKRI and CONCYTEC, respectively. Thus, all the forms and instruments must be completed taking account this consideration. The Peruvian director will need to be listed as a co-Investigator (CO-I) on the Je-s form.

The award of a grant does not guarantee any further commitment to funding by the MRC or CONCYTEC.

MRC and CONCYTEC will consider proposals from any UK or Peruvian-based researcher who is based at an eligible research organisation and can demonstrate that they will direct the proposed research and be actively engaged in carrying it through. **All researchers from Peruvian organisations must be registered in the 'Directorio de Recursos Humanos afines a la CTI (DINA)'.**

See MRC Guidance for Applicants for further details about UK PI eligibility.

PIs in the UK may submit only one research grant proposal for this research initiative. However, may be a co-investigator on more than one application.

A Peruvian researcher may submit only one research grant proposal as director through this initiative. However, may be involved in up to three projects in a Principal/Co-investigator role.

For clarity, on the Peruvian side, the lead researcher from each institute is referred to as a PI. One of those PIs will be the overall lead for the research project on the Peruvian side; this person is referred to as a director.

Co-investigators (Co-Is)

The PI/Peruvian director may be supported by a number of UK and Peruvian Co-Is named on the application. A Co-I assists the PI/Peruvian director in the management and leadership of the research project.

All UK and Peruvian researchers involved in the grant (PIs, director and CO-Is) must have verified Je-S accounts and must be added to the Je-S form under co-investigator. Please see section 3.4, below, 'Creating a Je-S application' for information on how to add an organisation on Je-S.

While it is essential that all Peruvian PIs and Co-Is are added to the Je-S form, Peruvian costs should not be represented on this form. A separate Peruvian Budget pro-forma.

will be completed for Peruvian costs. A break down and justification of Peruvian costs should be included in the Justification of Resources template.

Other support

For information on other parties involved in research including project partners, please see section 1 in the MRC Guidance for Applicants.

If a project partner is from industry, applicants must follow the guidance relating to the MRC Industrial Collaboration Agreement (MICA).

3. Application process

3.1 Expression of Interest

Researchers planning to submit to this scheme are asked to submit an **Expression of Interest** including the names of the leading UK and Peruvian investigators and a preliminary project title and abstract to international@mrc.ukri.org by **Thursday, 16 August 2018.**

The Expression of Interests received will assist the funders in preparing for peer review. This step will not involve an assessment of the proposal; therefore, applicants should not expect to receive feedback from the funders. Once you have submitted the Expression of Interest, please proceed with producing your application and do not wait for a confirmation from the funders.

3.2 Full application summary

The deadline for full applications is **16:00 BST Thursday, 20 September 2018.**
https://je-s.rcuk.ac.uk/JeS2WebLoginSite/Login.aspx

Applications must be submitted by the UK PI to the MRC on behalf of the UK-Peru research partnership. The application must be JOINTLY prepared. Once received, MRC will share the applications with CONCYTEC.

There is no requirement to submit a full application to CONCYTEC as well, however, Peruvian applicants must separately submit a registration form to FONDECYT.

As the Je-s application will serve as the single application document, it is vital that the joint application form provides full details of the work proposed for both the UK and Peruvian components.

The following documents must be included in the joint application:

- **A completed Je-S form**.
  All UK and Peruvian investigators MUST be included. This form reflects the UK costs, so while the Peruvian investigators should be included, hours charged for Peruvian investigators should be 0. Peruvian costs should be captured in the FONDECYT budget proforma.
- **A cover letter (optional).**
- **A jointly prepared Case for Support** (see additional guidance below).
- **CVs and publication lists** (uploaded individually) for each of the UK and Peruvian partners named as investigators on the grant.
- **Justification of Resources** justifying the total costs requested for the project.
- **Pathways to impact** – please see section 2.2.5 **MRC Guidance for Applicants**.
- **Data Management Plan** – please see section 2.2.8 **MRC Guidance for Applicants**.

- **FONDECYT budget pro-forma –** budget form outlining the costs being requested by the Peruvian investigators to be submitted on spreadsheet available on the FONDECYT website or MRC website, entered into Je-S as attachment type 'Non-UK Component'.
- **MICA form and Heads of Terms (required for UK industries).**
- **Rodents overseas form (if required) .**
- **Signed letter of support:**
    - from Peruvian research organisation demonstrating support for the proposed research project
    - where the Peruvian partner or another third party (ANY organisation other than the host UK RO) is responsible for recruitment of people as research participants and/or providing any biological material.
    - from any project partner where an in-kind payment is being contributed
    - from both PI/director when animal research is proposed. Please see section 5.6 "use of animals" for further information.

All attachments should be completed in 11 point Arial typeface, with a minimum of 2cm margins. Applications will not be accepted where smaller or narrow typefaces have been used.

Page lengths (A4 size):

Document	***Maximum length (Maximum)***
Covering letter	2 pages
A jointly prepared Case for Support	8 pages (including illustrations & references) + 1 page for methodology annex
CV	2 pages per CV
Publications	1 page per investigator
Justification of Resource	4 pages
Pathways to Impact	2 Pages
Data Management Plan	3 pages
Letter of supports (dated and signed)	2 pages

Other documents for which page lengths are not relevant include:
FONDECYT budget pro-forma

Further guidance and details for all of the above content can be found in the MRC Guidance for Applicants.

3.3 The Case for Support and Justification of Resources

The Case for Support

A jointly prepared Case for Support, written in English, must be uploaded as a PDF to the Je-S application. As is standard MRC guidelines, the case for support may be up to eight A4 pages in length, including one page of references, using Arial 11pt typeface with margins of 2cms on all sides.

In your case for support you should address each of the following headings:

- title
- importance of the research
- approximately 150 words to highlight why this research is '**Official Development Assistance**' compliant - **this should also be highlighted in the summary heading of the Je-s proposal form**
- scientific potential and expected outcomes
- people and track record including project roles and responsibilities of UK and Peruvian applicants
- research environment
- research plans and deliverables
- consideration of ethical, governance and IP issues around the project
- data preservation, exploitation and dissemination.

For further information regarding what should be included in the Case for Support, please see section 2.2.3 in the **MRC Guidance for Applicants**.

A one-page annex may be included in addition to the case for support page limit providing additional detail of the methodology and experimental design aspects of the proposal. This information must be provided as a clearly marked annex at the end of the main Case for Support entitled '**Methodology and experimental design annex'**. Please note that you are not required to duplicate information presented elsewhere in the application.

The use of this annex is strongly advised where the proposal includes the use of animals and/or human participants, or where the methodology/experimental design proposed is practically novel. Please see section 4.3 in the **MRC Guidance for Applicants**.

FONDECYT applicants should engage relevant authorities prior to submitting the proposal.

Justification of Resources

Please complete the **template** available on the call webpage, it must be written in a minimum font size of Arial, 11 point, with margins of at least 2 cm, justifying that the resources requested are appropriate to undertake the research project.

You must complete one Justification of Resources (JoR) document justifying both the UK costs and Peruvian costs and attach it to your application under "Justification of Resources". The JoR must contain a breakdown and explanation of the costs requested for this funding scheme by each partner taking into account the requirements outlined under the 'Funding available' section of this document.

The JoR should explain why the resources requested are appropriate for the research proposed, taking into account the nature and complexity of the research proposal. It should not be simply a list of the resources required.

In addition to the standard content for the Justification of Resources, applicants should include:

- the UK value of resources requested by the UK researchers
- a statement detailing the UK value of resources requested by the Peruvian partner.

This is so that the value of the total funds requested for the research project, can be assessed.

The costs on both the UK and Peruvian side should be separate with a clear justification of each cost.

3.4 Creating a Je-S account

Please login to your Je-S account via **https://jes.rcuk.ac.uk/JeS2WebLoginSite/Logout.aspx**, using the username and password you have chosen (if you do not have a Je-S account, or have forgotten your password, please see the guidance provided further below).

- select '**Documents**' from the left hand menu list from your Je-S account home page
- select '**New Document**' from within the Functions/create section of your documents page

Please note that ONLY the UK PI creates the Je-S application, any collaborating Investigators from other research organisation (UK or Overseas), are added to the application depending on their involvement and responsibilities whilst working on the project.

Important information when creating a Je-S account:

All collaborating investigators involved in a grant project will need to be registered on Je-S. It is important to register on Je-S at least two weeks before the deadline as this is not a quick process. Please read on for information about setting up a Je-S account.

The below '**Call/type/mode**' can only be selected when the call opening date has been reached (until the advertised closing date **Thursday, 20 September 2018.**

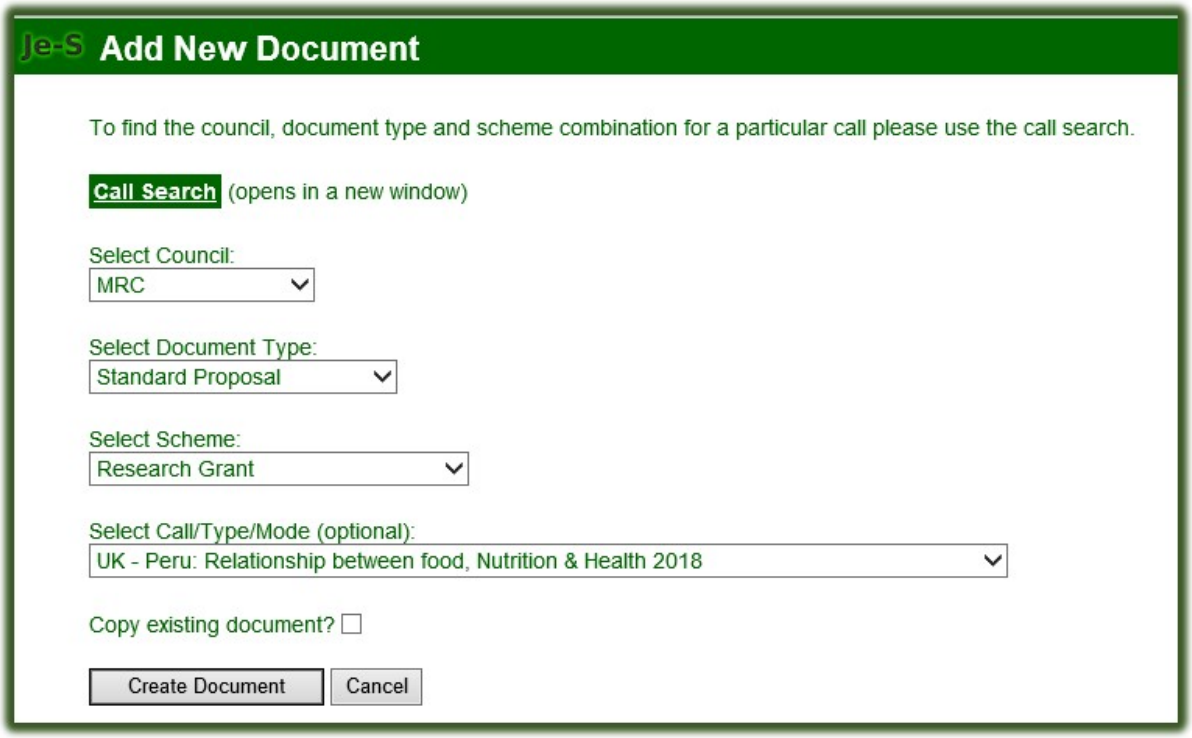
All MRC funding calls close at **16:00 BST**, on the advertised closing date **Thursday, 20 September 2018.**

- Select council: **MRC**
- Select document type: **Standard Proposal**
- Select scheme: **Research Grant**
- Select call/type/mode (optional):
- Select **'create document'** option

New Je-S users: In order to gain access to the Je-S System, **create an account.**

Should the overseas Co-Investigators not be able to select their RO when attempting to create their Je-S account, MRC recommend that the Investigator emails the Je-S Helpdesk jeshelp@rcuk.ac.uk, with the full name and address details of the Overseas Organisation and they will contact you with further instructions.

Project details: UK PIs should allow a start date of no later than **19 April 2019.**



3.5 Budgets

It is the responsibility of the Peruvian director and UK PI to ensure the conditions of their respective funder are understood.

All the UK and Peruvian directors/Co-Is must be inputted onto the Je-S form. However, any costs for the Peruvian director/Co-Is (unless agreed) must be inputted with hours and charged as £0. The Peruvian partner costs will be recorded in the CONCYTEC budget proforma that can be downloaded from the MRC webpage for this call. The Peruvian PI must refer to the **Peruvian Guidelines or "Bases**" in preparing the budget.

Full Economic Costing (FEC)

UK-based research costs will be funded at 80% of the Full Economic Cost.

Please see section 3. Resources – Full Economic Costing in the MRC Guidance for Applicants for information on FEC.

Funding available

	*UKRI funding**	*Peruvian funding***
Research costs: Staff – directly incurred post and directly allocated posts (PI and Co-I time)	Yes	Yes
Equipment below £10,000	Yes	Yes
Equipment above £10,000	No	Yes
Consumables	Yes	Yes
Research studentships	No	Yes
Research assistants**/postdoctoral researchers/research technicians	Yes	Yes
Studentships (degree programmes)	No	No
Travel and subsistence for exchange/mobility activities	Yes	Yes
Cost of workshops, meetings etc.	Yes	Yes
Overheads	Yes	Yes

**UKRI funding will be provided to the UK HEI but can be spent on activities in Peru which are outside of the funding available from the Peruvian funders and when identified and justified in the proposal. This must be agreed in advance of submission with the funders.*

***Peruvian funding only considers directly incurred expenses.*

Equipment:

As highlighted above, UKRI are unable to fund Capital costs above £10,000. CONCYTEC can fund Capital costs above £10,000 (or an equivalent amount in Peruvian soles)

Spending obligations under the Newton Fund

As previously stated, funding must be awarded in a manner that fits with Official Development Assistance (ODA) guidelines. All applications under this call must therefore be compliant with these guidelines. ODA compliance will be assessed as an eligibility requirement and it is the responsibility of the PIs to communicate how the proposed research is ODA compliant. Applications assessed as non-ODA compliant will be considered ineligible at the application stage and will not progress to peer review.

For further information on ODA please visit the **Newton Fund 'What is ODA?'** page.

Due to the tight time scales of the Newton Fund, if you are successful you will need to adhere to strict spending requirements. For this call, the end date of the proposed research should be no later than **31 March 2022.**

4. Assessment process and criteria

Following submission, peer-review will be undertaken by the funding agencies. To be funded, proposals must be internationally competitive and at a standard equivalent to that normally expected to be supported by each funding organisation. Applicants will be given the opportunity to provide a written response to peer review comments prior to the panel meeting in January/February 2019.

Key assessment criteria for the submissions will be:

- significance and impact of the research
- Rationale: novelty, importance, interdisciplinarity and timeliness of the joint research proposal
- design and feasibility of the project plan
- partnership: including strength and clarity of collaborations and opportunities provided, quality of the project management structure proposed, and the added value of the UK-Peru collaboration
- quality and suitability of the research environment and of the facilities
- value for money for Peruvian and UK science
- ethical considerations and governance arrangements.

In addition, applicants must describe how the proposed UK funded work is ODA compliant [approximately 150 words]. This section will be made publicly available. For further information on ODA, please visit: **the Newton Fund website**.

Applications received, comments from all peer-reviewers and PI response will be assessed by the joint UKRI - CONCYTEC Review Panel in January 2019. This panel will consist of academic experts from both UK and Peru, where final decisions will be made.

For further information on the peer review process, please see the **MRC peer review** page.

5. Agreements

5.1 Collaboration Agreement

As the research projects will be carried out by multiple research organisations and project partners, the basis of collaboration between the organisations and project partners, including ownership of intellectual property (IP) generated during the project and rights to exploitation, and costs of IP management [this is not an eligible cost to MRC], is expected to be set out in a formal Collaboration Agreement between the research organisations involved. It is the responsibility of the research organisations to put such an agreement in place before the research begins. **The terms of collaboration shall not conflict with MRC and CONCYTEC terms and conditions**.

Arrangements for collaboration and/or exploitation must not prevent the future progression of academic research and the dissemination of research results in accordance with academic custom and practise and the requirements of the funding bodies. A temporary delay in publication is acceptable in order to allow commercial and collaborative arrangements to be established.

Details of key issues included in the Collaboration Agreement, for example management of IP and use of biological materials, should be detailed in the 'consideration of ethical, governance and IP issues around the project' section of the Case for Support.

5.2 Intellectual Property

Ownership of intellectual property (IP) generated during the project and rights to exploitation, as well as any costs regarding management of IP, are expected to be agreed between the collaborating research organisations before the research begins. Details of this agreement should be included in the Collaboration Agreement (as above).

Agreements must not conflict with UKRI and CONCYTEC terms and conditions. Any agreements in place between a research organisation and their respective funding organisation must be adhered to, including the sharing of IP costs or benefits.

The MRC will follow its standard rules/terms and conditions regarding IP, please see relevant sections within the **Applicant Guidance.**

5.3 Material Transfer Agreements

Collection and exchange of material may occur between collaborating institutions, as necessary, in strict compliance with the legislation in effect in both countries.

5.4 Ethics

Any research involving biological material (from humans, animals, vegetables, or any biological organism) must comply with legislation in both the UK and Peru, and must also comply with relevant policies and guidance of UKRI and CONCYTEC.

It is the absolute responsibility of the UK PI, Peruvian director and the ROs to ensure that appropriate ethical approval is granted and adhered to, and that no research requiring ethical approval is initiated until it has been granted.

The ethical information sub-sections in the Je-S proposal form should be completed to give details of any human participation, research using animals, genetic and biological risk **in either country**, and UK and Peruvian ethical committee approvals required. Section 5 of the **MRC Guidance for Applicants**. has recently been updated to reflect amendments to this section of the Je-S form.

Applicants must be clear in their applications in which country the proposed research involving humans and/or animals will take place and must fully complete the ethical information section for research taking place in either country.

MRC ethics guidance

Applicants must comply with all of the MRC's relevant policies and guidance regarding the use of humans/human tissue and/or animals in research.

Approval(s) for the research detailed in an MRC grant proposal must be granted by the appropriate bodies before any work can commence. Institutions, applicants and grant holders have absolute responsibility for ensuring that the necessary approvals are granted for the research considered by MRC and CONCYTEC.

The principal investigator/ research organisation must be prepared to furnish the MRC with a copy of the ethical approval, and any correspondence with the committees, if requested by the council. The principal investigator must notify the MRC if a regulator or a research ethics committee requires amendments that substantially affect the research question, methodology or costs to the extent that the project is no longer the same as that approved for funding by the MRC.

Peruvian ethics guidance

The research proposals must be consistent with international (Nuremberg Code, World Medical Association Declaration of Helsinki, Belmont Report, Universal Declaration on Bioethics, Human Rights and Council for International Organizations of Medical Sciences (CIOMS) guidelines for research, and Animal Welfare Act) and national (Regulation of Clinical Trials in Peru and other applicable regulatory documents from the Instituto Nacional de Salud, universities, and research organizations) ethical principles.

5.5 Humans/Human tissue

5.5.1 MRC guidance

Applicants must comply with relevant MRC policies and guidance **MRC Guidance for Applicants**. In particular, applicants should be aware of the following guidance/requirements:

MRC current policy for r**esearch involving humans to take place overseas**, is that for research to be undertaken internationally, both local and UK ethical approval is required previously of the project execution. For clinical studies involving human participants and/or patients in the UK or overseas, appropriate consent must be obtained.

Where the Peruvian partner or another third party (ANY organisation other than the UK RO) is responsible for recruitment of people as research participants and/or providing human tissue, details should be included in the case for support and a letter of support MUST be attached to the application. The letter of support should be titled 'Human participation' and include confirmation of the following:

- that the international partner has agreed to recruit the participants/provide tissue
- that what is being supplied is suitable for the research being undertaken
- that the quantity of biological material (where relevant) being supplied is suitable, but not excessive for achieving meaningful results.

The letter of support must be an integral part of the application (as an attachment) and must focus on the proposal it accompanies.

5.6 Use of animals

5.6.1 MRC guidance

Applicants must ensure that all of the proposed research, both that in the UK and in Peru, will comply with the principles of the MRC common guidance on
responsibility in the use of animals in bioscience research.

In particular, UK institutions should be aware of the following aspect of the guidance relating to research or collaboration outside the UK:

"When collaborating with other laboratories, or where animal facilities are provided by third parties, researchers and the local ethics committee in the UK should satisfy themselves that welfare standards consistent with the principles of UK legislation (e.g. the Animals (Scientific Procedures) Act 1986), and set out in this guidance, are applied and maintained.

Where there are significant deviations, prior approval from the funding body should be sought and agreed. International research should also be compliant with all relevant national and local regulatory systems in the host country where the research is to be conducted."

Investigators proposing the use of animals should provide an additional letter including the following information:

- a signed statement from both UK and Peruvian leads that:
    - they will adhere to all relevant national and local regulatory systems in the UK and Peru
    - they will follow the guidelines laid out in the **using animals for bioscience research** document and ensure that work is carried out to UK and Peruvian standards
    - before initiation of the proposed research work, appropriate approvals from institutional and/or central animal ethics committees will be obtained for experimental protocols to be adopted in their projects. Successful proposals may be expected to provide copies of these permissions before funding is released.
- details on where the animal research will take place (UK, Peru or elsewhere) and through which funder the resources are being sought. Applicants should include confirmation that animal welfare standards at these institutions meet the requirements outlined above.

All applicants are required to comply with Section 4: 'Proposals involving animal use' of the **MRC Guidance for Applicants.** Applicants should detail in the letter any additional information which was not included in the proposal document but which is pertinent to the animal research proposed and which the funders should be aware of.

In addition, researchers should be reminded that sufficient information and justification regarding any animal research proposed, regardless of country, must be provided in the proposal order to allow full peer review to take place.

5.6 Protection of the Biodiversity

If the proposal includes the use of these resources, the applicants shall commit to initiate the application procedure of the research authorization with and without sampling and/or access contract to genetic resources, according to the procedures and regulations of the Administration and Management Sectoral Authorities.

6. UK Terms and conditions

For the grant's terms and conditions please follow the link: https://www.ukri.org/funding/information-for-award-holders/grant-terms-and-conditions/

Newton Fund terms and conditions are provided below:

ODA compliance
The Newton Fund is part of the UK's Official Development Assistance (ODA). Its aim is to develop science and innovation partnerships that promote the economic development and welfare of developing countries. The investigators must ensure the research part of this grant remains compliant with ODA rules and regulations as set out under the Newton Fund programme. In the event that the research does not remain compliant with ODA rules and regulations Medical Research Council reserve the right to terminate the award and recoup any funds as appropriate.

Acknowledgements and reporting
Investigators must acknowledge the Newton Fund, the Medical Research Council, and the CONCYTEC in any publications, web pages or events associated with this grant.
Investigators must assist the Medical Research Council with any additional reporting requirements requested by the Department for Business, Energy and Industrial Strategy, any other government department, or CONCYTEC.

Starting procedures
The UK component of successful projects must start, as a condition of funding, no later than **19 April 2019**.

Please note that due to the fixed start date, the normal three months start period rules outlined in the UKRI Terms and Conditions RGC4, does not apply to this project.

Ethical requirements
It is the responsibility of the principal investigator, the Peruvian director and the research organisations to ensure that appropriate ethical approval is granted for this study and adhered to, and that no research requiring ethical approval is initiated until it has been granted.

MRC current policy for research involving humans is that for research to be undertaken overseas, both local and UK ethical approval is required.

For clinical studies involving human participants and/or patients, appropriate consent must be obtained.

For grants that include the use of animals, the responsibility in the use of animals guidance should be adhered to, and in particular: 'When collaborating with other laboratories, or where animal facilities are provided by third parties, researchers and the local ethics committee in

the UK should satisfy themselves that welfare standards consistent with the principals of UK legislation (such as the ASPA) and set out in this guidance are applied and maintained.'

The principal investigator/research organisation must be prepared to furnish the Medical Research Council with a copy of the ethical approval, and any correspondence with the committees, if requested. The principal investigator must notify the Medical Research Council if a regulator or a research ethics committee requires amendments that substantially affect the research question, methodology or costs to the extent that the project is no longer the same as that approved for funding.

Government support

This award is dependent on continuing government commitment for this initiative and continuing match from the partner funder. In the event that this support is withdrawn, the Medical Research Council reserve the right to terminate the award.

Collaboration Agreement

A Collaboration Agreement is required for this project.

As the grant is associated with more than one research organisation the basis of collaboration between the organisations, including the allocation of resources throughout the project and ownership of intellectual property and rights to exploitation is required to be set out in the formal collaboration agreement. It is the responsibility of the lead research organisation to put such an agreement in place. The terms of collaboration agreements must not conflict with the Medical Research Council's terms and conditions.

Annex 1 Additional questions on use of rodents overseas.

Please use template: (https://mrc.ukri.org/funding/browse/uk-peru/uk-peru-relationship-between-food-nutrition-and-health/additional-questions-on-the-use-of-rodents-overseas/)

The expectations of the research councils for the use animals in research are set out in the document 'Responsibility in the use of animals in bioscience research'. Compliance with the principles in this document is a condition of receiving funding.

Please confirm the following: *(tick box – yes/no)*

1. The enclosure sizes and space allocations meet or exceed those in Annex VII to Directive 2010/63/EU (Tables 1.1 to 1.5)	
2. The rodents are provided with: a) substrate/bedding on a solid floor; b) a shelter and/or nesting material for refuge and to help regulate body temperature and light exposure; c) chew blocks or other gnawing material.	
3. The rodents are housed socially. Exceptions to this must be justified below.	
4. Appropriate, contemporary anaesthesia and/or analgesia is provided to minimise pain and distress. Any withholding of pain relief during painful procedures must be justified below.	
5. Surgery is performed using aseptic technique, the least invasive surgical approaches, and appropriate perioperative care (pre-operative medications, hypothermic).	
6. Toe clipping and/or tail biopsy are not used for identification or genotyping purposes.	
7. Where genotypes are known to be harmful, animals of that type are not produced unless required scientifically (e.g. if homozygous null is harmful and heterozygotes are desired, then heterozygous is crossed with wild type, not another heterozygous animal).	
8. Where new GA strains are being generated, best knowledge will be applied to predict potential harmful outcomes and the animals will be monitored closely for emerging phenotypes.	
9. The rodents are monitored with a frequency appropriate to keep pain and distress to a minimum, using appropriate, tailored welfare indicators and score sheets.	
10. Humane endpoints have been established for each experiment with the potential to cause moderate or severe harm, after consultation with the veterinarian and animal care staff, and implementation of these is recorded during the experiment. (Note the humane endpoint criteria may be requested by the research councils).	
11. The methods of humane killing are those recommended by the AVMA (2013) or permitted under Directive 2010/63/EU.	

12. The methods and procedures for rodents use are consistent with the Peruvian guidelines (“Guía de manejo y cuidado de animales de laboratorio: ratón”, “Guía de manejo y cuidado de animales de laboratorio: conejo”)	

Where there are deviations from the above, please explain below: *(free text; one side of A4)*