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**grants, innovation and product development**

# Additional Annex 1: Ethics, Genetic and Biological Risk, and Research Involving Animals, Humans or Biological Samples

**Ethics** Word limit: 500

What are the ethical implications and issues relating to the proposed work? If you do not think that the proposed work raises any ethical issues, explain why.

*Consider the* [*MRC guidance on ethics and approvals*](https://www.ukri.org/councils/mrc/guidance-for-applicants/5-ethics-and-approvals/)

*Demonstrate that you have identified and evaluated:*

* *the relevant ethical considerations including the potential for dual use of project outputs*
* *how you will manage these considerations in line with UKRI and South African ethical and trusted research and innovation principles*

**Genetic and biological risk** Word limit: [700]

Does your proposed research involve any genetic or biological risk?

*In respect of**animals, plants or microbes, are you proposing to:*

* *use genetic modification as an experimental tool, like studying gene function in a genetically modified organism*
* *release genetically modified organisms*
* *ultimately develop commercial and industrial genetically modified outcomes*

*If yes, provide the name of any required approving body and state if approval is already in place. If it is not, provide an indicative timeframe for obtaining the required approval.*

*Identify the organism or organisms as a plant, animal or microbe and specify the species and which of the three categories the research relates to.*

*Identify the genetic and biological risks resulting from the proposed research, their implications, and any mitigation you plan on taking. Assessors will want to know you have considered the risks and their implications to justify that any identified risks do not outweigh any benefits of the proposed research.*

**Research involving the use of animals** Word limit: 700

Does your proposed research involve the use of vertebrate animals?

If you are proposing to conduct animal research, it must be conducted in accordance with welfare standards consistent with those in the UK, as in [Responsibility in the use of animals in bioscience research, page 14](https://www.nc3rs.org.uk/3rs-resources/responsibility-use-animals-bioscience-research).

If your application proposes animal research to be conducted in South Africa or another African country, you must provide a statement in the text box. Depending on the species involved, you may also need to upload a completed template for each species listed.

***Statement***

**Provide a statement to confirm that**:

* all named applicants are aware of the requirements and have agreed to abide by them
* this research will be conducted in accordance with welfare standards consistent with the principles of UK legislation
* the expectation set out in Responsibility in the use of animals in bioscience research will be applied and maintained
* appropriate national and institutional approvals are in place

***Templates***

Studies proposing to use non-human primates, cats, dogs, equines or pigs will be assessed during [NC3Rs review](https://www.nc3rs.org.uk/who-we-are-and-what-we-do#services) of research applications. Provide the required information by completing the template from the question “Research involving the use of animals.”

For studies involving other species, select, download, and complete the relevant Word checklist or checklists from this list:

* [Additional questions on the use of rodents overseas (DOCX, 49.1KB)](https://nc3rs.org.uk/sites/default/files/documents/Additional%20questions%20on%20the%20use%20of%20rodents%20overseas%20%286%29_0.docx)
* [Additional questions on the use of rabbits overseas (DOCX, 49.2KB)](https://nc3rs.org.uk/sites/default/files/documents/Additional%20questions%20on%20the%20use%20of%20rabbits%20overseas.docx)
* [Additional questions on the use of sheep overseas (DOCX, 50.9KB)](https://nc3rs.org.uk/sites/default/files/documents/Additional%20questions%20on%20the%20use%20of%20sheep%20overseas.docx)
* [Additional questions on the use of goats overseas (DOCX, 47.3KB)](https://nc3rs.org.uk/sites/default/files/documents/Additional%20questions%20on%20the%20use%20of%20goats%20overseas.docx)
* [Additional questions on the use of pigs overseas (DOCX, 51.4KB)](https://nc3rs.org.uk/sites/default/files/documents/Additional%20questions%20on%20the%20use%20of%20pigs%20overseas.docx)
* [Additional questions on the use of cattle overseas (DOCX, 57.0KB)](https://nc3rs.org.uk/sites/default/files/2021-12/Additional%20questions%20on%20the%20use%20of%20cattle%20overseas.docx)
* [Additional questions on the use of Xenopus laevis and Xenopus tropicalis overseas (DOCX, 57.3KB)](https://nc3rs.org.uk/sites/default/files/Additional%20questions%20on%20the%20use%20of%20Xenopus%20laevis%20%26%20%20Xenopus%20tropicalis%20overseas.docx)

Save as a PDF. If you use more than one checklist, save it as a single PDF.

**Research involving human participation** Word limit: [700]

Will the project involve the use of human subjects or their personal information?

*If you are proposing research that requires the involvement of human subjects, provide the name of any required approving body and whether approval is already in place.*

*Justify the number and the diversity of the participants involved, as well as any procedures.*

*Provide details of any areas of substantial or moderate severity of impact.*

**Research involving human tissues or biological samples** Word limit: 700

Does your proposed research involve the use of human tissues, or biological samples?

*If you are proposing work that involves human tissues or biological samples, provide the name of any required approving body and whether approval is already in place.*

*Justify the use of human tissue or biological samples specifying the nature and quantity of the material to be used and its source.*