

## BIRAC-Wellcome Trust Joint Call in Translational Medicine

### FULL APPLICATION FORM

#### BIRAC and WELLCOME TRUST DATA PROTECTION STATEMENT

1. This statement is a “fair processing notice” under the United Kingdom’s Data Protection Act 1998 and the Indian Information Technology Act 2000 and **The Information Technology (Reasonable Security Practices and Procedures and Sensitive Personal Data or Information) Rules 2011 (together, the “Acts”)** and sets out what BIRAC and/or the Wellcome Trust (together, the “**Funders**”) will do with the information that they collect from you during the grant/award application process and throughout the life of the grant/award (including all information relating to the grant/award application and, as applicable, any subsequent grant/award made).
2. Information (including “**personal data**” as defined under the Acts) that you supply to the Funders including any application and progress or update report, may be used by the Funders to process applications and administer grants/awards, for the purposes of audit and evaluation and to monitor the fairness and trends in application decisions. Your information may be disclosed for these purposes by the Funders only to individuals and organisations connected with one or more of the Funders, including their respective funding partners (including in the case of BIRAC, the Department of Biotechnology, Government of India) external peer reviewers and external committee members. Your information may also be shared with selected third parties for the purposes of independent audit, evaluation and assessment of activities funded by the grant/award and their outputs and outcomes. Some of the individuals, organisations and third parties with whom the Funders may share the information may be based outside of India and/or the European Economic Area. All personal data will be stored and used by or on behalf of the Funders in accordance with the Acts.
3. The Funders may anonymise your personal data and use it for research and statistical purposes.
4. The Funders may publish details of successful grants/awards and their outputs, including your name, employing organisation, project title, a summary of the grant/award and its value and, in the case of grants/awards funding research, scientific/academic abstracts and lay summaries of research (e.g. via the internet or via publicly accessible databases or other publications), some of which may be accessible outside the EEA and India.
5. The Funders may contact you about their activities and events, or to help inform or evaluate these activities and events, the Funders’ application processes and policy work.
6. The Wellcome Trust has a more general Privacy Statement on its website at [www.wellcome.ac.uk](http://www.wellcome.ac.uk). Please contact the Wellcome Trust Data Protection Compliance Officer by email at [dataprotection@wellcome.ac.uk](mailto:dataprotection@wellcome.ac.uk) or by post at: The Wellcome Trust, 215 Euston Road, London NW1 2BE if you have any queries about the use of your personal data by The Wellcome Trust.
7. Please contact BIRAC at [jshukla.birac@nic.in](mailto:jshukla.birac@nic.in) if you have any queries about the use of your personal data by BIRAC.
8. The Funders may amend this Statement from time to time. Any material changes in how the Funders collect, use or share your personal data will be posted on the Funders’ respective websites at: [www.wellcome.ac.uk](http://www.wellcome.ac.uk) and [www.birac.nic.in](http://www.birac.nic.in).

Applicant Undertakings:

1. I confirm that I (and all those providing personal information in the application) have read and understood the BIRAC and Wellcome Trust Data Protection Statement.
2. To the best of my knowledge, the information provided in this application is accurate and complete and I agree to inform the Funders of any material changes to this information during the period of the grant/award.
3. I have read the conditions under which grants/awards are made and agree to abide by the conditions should a grant/award be made.
4. The necessary facilities will be made available to conduct the research/activities funded by Funders' grant/award, and will continue to be made available for the duration of the grant/award (applicable to Heads of Department, Sponsors, Research Sponsors and Organisation Administration Department approvers).

**Signature of Principal Applicant**

**Date:**

**Signature of Coapplicant (1)**

**Date:**

**Signature of Coapplicant (2)**

**Date:**

**Signature of Coapplicant (3)**

**Date:**

**[To be printed on the headed notepaper of the Administering Organisation or its Technology Transfer Group (if an independent organisation) or the Company]**

[Dr Jyoti Shukla  
Technical Manager  
BIRAC  
BIRAC  
A-254, 3rd Floor, Bhisham Pitamah Marg, Defence Colony  
New Delhi – 110024  
INDIA

The Grants Adviser (Innovations)  
Grants Management Department  
Wellcome Trust  
Gibbs Building, 215 Euston Road  
London NW1 2BE

[Date]

Dear Sirs

**Application to the BIRAC-Wellcome Trust Joint-Call Funding Committee: [Name and Title of Principal Investigator], [Name of Administering Organisation or Company], [Title of Project]**

1. I confirm our agreement to participate as an Applicant on the above named BIRAC-Wellcome Trust Joint-Call Funding Committee application and to take responsibility for the information provided in the Commercial Matters sections of this.
2. I confirm that I (and all those providing personal information in the application) have read and understood the BIRAC and Wellcome Trust Data Protection Statement.
3. To the best of my knowledge, the information provided in this application is accurate and complete and I agree to inform the Funders of any material changes to this information during the period of the grant/award.
4. I have read the conditions under which grants/awards are made and agree to abide by the conditions should a grant/award be made.
5. The necessary facilities will be made available to conduct the research/activities funded by Funders' grant/award, and will continue to be made available for the duration of the grant/award (applicable to Heads of Department, Sponsors, Research Sponsors and Organisation Administration Department approvers).

Yours faithfully

**Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Job Title:** \_\_\_\_\_

**Organisation:** \_\_\_\_\_

**Date of Signature:** \_\_\_\_\_

**[Signed by Head Technology Transfer Office or Group on behalf of Administering Organisation or its Technology Transfer Group if independent or if the University does not have a TTO, a person duly authorised to sign on behalf of University or Institution]\***

**[Signed by Business Officer on behalf of [Name of Company]]\* (\*Please delete as applicable)**

### **BIRAC and WELLCOME TRUST DATA PROTECTION STATEMENT**

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10. Information (including “**personal data**” as defined under the Acts) that you supply to the Funders including any application and progress or update report, may be used by the Funders to process applications and administer grants/awards, for the purposes of audit and evaluation and to monitor the fairness and trends in application decisions. Your information may be disclosed for these purposes by the Funders only to individuals and organisations connected with one or more of the Funders, including their respective funding partners (including in the case of BIRAC, the Department of Biotechnology, Government of India) external peer reviewers and external committee members. Your information may also be shared with selected third parties for the purposes of independent audit, evaluation and assessment of activities funded by the grant/award and their outputs and outcomes. Some of the individuals, organisations and third parties with whom the Funders may share the information may be based outside of India and/or the European Economic Area. All personal data will be stored and used by or on behalf of the Funders in accordance with the Acts.
11. The Funders may anonymise your personal data and use it for research and statistical purposes.
12. The Funders may publish details of successful grants/awards and their outputs, including your name, employing organisation, project title, a summary of the grant/award and its value and, in the case of grants/awards funding research, scientific/academic abstracts and lay summaries of research (e.g. via the internet or via publicly accessible databases or other publications), some of which may be accessible outside the EEA and India.
13. The Funders may contact you about their activities and events, or to help inform or evaluate these activities and events, the Funders’ application processes and policy work.
14. The Wellcome Trust has a more general Privacy Statement on its website at [www.wellcome.ac.uk](http://www.wellcome.ac.uk). Please contact the Wellcome Trust Data Protection Compliance Officer by email at [dataprotection@wellcome.ac.uk](mailto:dataprotection@wellcome.ac.uk) or by post at: The Wellcome Trust, 215 Euston Road, London NW1 2BE if you have any queries about the use of your personal data by The Wellcome Trust.
15. Please contact BIRAC at [jshukla.birac@nic.in](mailto:jshukla.birac@nic.in) if you have any queries about the use of your personal data by BIRAC.
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## PART 2 FULL APPLICATION

### Q1 Principal Applicant

Surname	
Forenames	
Title (Dr etc)	

### Coapplicant

Surname	
Forenames	
Title (Dr etc)	

### Technology Transfer Officer/Business Officer

Surname	
Forenames	
Title (Dr etc)	

**Q2 Title of project:** (no more than 233 characters, including spaces)

**Q3 Period for which support is sought** (in months)

**Q4 Proposed start date:** (dd/mm/yyyy)

**Principal Applicant**

Name

Contact address

Telephone numbers:

Day

Mobil  
e

Fax.

email

**Coapplicant**

Name

Contact address

Telephone numbers:

Day

Mobil  
e

Fax.

email

**Technology Transfer Officer/Business Officer**

Name

Contact address

Telephone numbers:

Day

Mobil  
e

Fax.

email

**If this application is from a company, please provide the following additional information:**

Company number:	<input type="text"/>
Date and place of incorporation:	<input type="text"/>
Share capital:	<input type="text"/>
Authorised:	<input type="text"/>
Issued:	<input type="text"/>
Registered holders (name, number and type):	<input type="text"/>
Registered office:	<input type="text"/>
Directors:	<input type="text"/>
Secretary:	<input type="text"/>
Accounting reference date:	<input type="text"/>
Previous source of funding and amount:	<input type="text"/>
Cash in bank and other investments:	<input type="text"/>
Average monthly expenditure:	<input type="text"/>
Board of Directors:	<input type="text"/>
Scientific advisory Board:	<input type="text"/>
Number of Employees (indicate full time or part time):	<input type="text"/>

Please attach a copy of the current company Business Plan including the business plan for the asset being developed with your application.

For BIRAC due diligence, the applicants will need to provide the necessary documents as stated under Eligibility heading in Guidelines for Applicant. Please annex those documents to the application.

**Q5 TIME SPENT BY APPLICANTS ON RESEARCH**

How many hours per week does the Principal Applicant spend on research?

How many hours per week will be spent on this project by the Principal Applicant?

How many hours per week does the Coapplicant spend on research?

How many hours per week will be spent on this project by the Coapplicant?

**Q6 RELATED APPLICATIONS**

(a) Is this or a related application currently being submitted elsewhere?

If yes, to which organisation?

By what date is a decision expected?  
(dd/mm/yyyy)

(b) Has this, or a similar, application been submitted elsewhere over the past year?

If yes, to which organisation?

What was the result?

(c) Is this application a resubmission or has it been previously considered under another Wellcome Trust and/or BIRAC scheme?

If yes, when was it originally considered?

Please give the Wellcome Trust's and/or BIRAC's reference number:

Briefly state how this application differs from the previous submission(s) (no more than 500 words)

**Q7 SUMMARY OF PROPOSED RESEARCH INCLUDING KEY GOALS**

(a) For scientifically qualified assessors: (no more than 200 words)

(b) For lay readers: (no more than 200 words)

**Q8 SUMMARY OF RESEARCH AIM**

Summarise your research aim and how the proposed project will address the unmet healthcare needs in India and potentially other markets. State the intended target population (s) and estimated size. (no more than 300 words)



## Q9 DETAILS OF PROJECT

(a) What is the total requested cost from the Trust?

Funding dependent milestones. Please state currency used.

Currency used	
Cost of Milestone Period 1 (M1)*	
Cost of Milestone Period 2 (M2)	
Cost of Milestone Period 3 (M3)	
Cost of Milestone Period 4 (M4)	
Submission of Final Report (M5)	
<b>Total</b>	

\*For BIRAC Milestones 1 is signing of agreement

(b) Provide a description of the validation or proof of concept to date (no more than 1,400 words)

(c) Provide details of the plan of investigation proposed to be funded by the Trust or BIRAC (no more than 2,500 words), including:

(i) the specific aims and objectives,

(ii) at least three milestones for the Trust or BIRAC-funded component during the course of the project (funding may be dependent on achieving milestones), and

(iii) details regarding what other funds (if any) are contributing to related project tasks.

Please also describe how the project will be managed to deliver the milestones and key objectives, describing the in-house expertise and any other expertise that needs to be accessed externally.

(d) Please explain how you would ensure that the project / healthcare solution will be affordable to **the maximum number of targeted patient populations** in India and potentially other developing world markets (no more than 250 words)

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(e) Provide a Gantt chart or similar graphical overview of the tasks to be undertaken, their sequence and duration for the entire project including those (marked separately) that will be undertaken in parallel but without Trust or BIRAC funding (if applicable) and key development steps after Trust or BIRAC funding.

**Q10 REFERENCES** (Relevant to proposed research project)  
Please give citation in full, including title of paper and all authors.

## Q11 COMMERCIAL MATTERS

### (a) Patent information

Application number:

Priority date:

Inventors:

Applicant:

Ownership (including assignees)

Funding source:

Title

### (b) How do these patent(s) or patent application(s) relate to the proposal? (no more than 700 words)

### (c) Describe any freedom to operate issues that have been identified or that might arise and how these will be tackled. Include the type and date of any searches that have been conducted. (no more than 350 words)

### (d) Describe any new intellectual property filings that are anticipated arising from this project including how these inventions will be managed. (no more than 350 words)

### (e) **Please describe any competitors and competing technologies being researched or that have been marketed, In addition, please provide a description of the competitive advantage of this technology over currently accepted methods.** Also explain how your technology will maintain a sustainable competitive advantage by the time (estimate when) it reaches the market (no more than 700 words)

### (f) Please describe the route by which the proposed healthcare solution or innovation can be made available to, or widely adopted by, the target population(s). (no more than 300 words)

### (g) Describe the commercialisation strategy for the asset, including (where appropriate) factors such as potential sources of further funding, relevant licensing partners and the potential to create early revenue streams to support further development. (no more than 700 words)

- (h) What are the key current and downstream regulatory considerations or risks that will need to be addressed to achieve rapid regulatory approval and maximise market adoption/commercialisation for this technology? (no more than 350 words)

- (i) If this application is from a company, please describe the company's R&D strategy, current portfolio/pipeline and portfolio fit for this proposal. (no more than 350 words)

- (j) If any potentially commercially exploitable results are to be based upon tissues or samples derived from human participants, please confirm that the appropriate informed consent for such use has been or will be established. (no more than 200 words)

**Q12 OUTLINE OF PUBLIC ENGAGEMENT PLANS** (no more than 250 words)

Please note that we provide support for researchers in the UK and Republic of Ireland to engage with the lay public. To receive information about training, funding and other public engagement opportunities, please tick the box.





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(h) Summary of career to date, including key achievements (no more than 700 words)

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(i) Publications

Applicants should provide references or examples to 5 key achievements over the past 5 years which may include any of the following:

- i) Inventions protected by intellectual property rights that have been developed commercially and/or adopted;
- ii) patents that have been filed or issued;
- iii) peer-reviewed publications.

(ii) Wellcome Trust and/or BIRAC funded publications

Please list all original research publications arising from Wellcome Trust and/or BIRAC funding which were published from October 2009 to the present, and provide the PMCID reference for each of these. Please refer to guidelines.

Publications should be in chronological order with the most recent first. Please give citation in full, including title of paper and all authors\*

*(\*All authors, unless more than 10, in which case please use 'et al', ensuring that your position as author remains clear.)*

(j) **Current and recent financial support (including Wellcome Trust and /or BIRAC awards)**

Please list all key forms of financial support in the last five years (commercial, research grants, etc. - list the most recent first). Please state the name of the funder, name(s) of recipient(s), title of project or enterprise, amounts awarded and currencies, your role in the project, and start and end dates of support. For all active awards, indicate the number of hours per week that are spent on each project. Please identify with an asterisk (\*) those sources of support that have contributed to the background of this proposal.

Grants from other funding agencies

Grants from the Trust

Grants from the BIRAC

**Q14 CURRICULUM VITAE OF COAPPLICANT**

(a) Surname:  Forenames:

(b) Title of current post:

Date of appointment: (dd/mm/yyyy)

Expected date of termination: (dd/mm/yyyy)

(c) With whom do you have your contract of employment?

(d) Source of personal salary support (If 'Other', please specify):  
*Please also be specific if salary is funded from more than one source.*

(e) Current salary if salary is being requested as part of this application:  
(State currency):   
If salary is currently funded by a Wellcome Trust grant, please give grant reference number:

(f) Previous posts held (list the most recent first):

Date from	Date to	Position	Department	Organization

(g) Education/training:

Date (mm/yyyy)	Qualification	Subject	Organisation


(h) Summary of career to date, including key achievements (no more than 700 words)

--

(i) Publications

Applicants should provide references or examples to 5 key achievements over the past 5 years which may include any of the following:

Inventions protected by intellectual property rights that have been developed commercially and/or adopted; ii) patents that have issued; iii) peer-reviewed publications.

(j) Current and recent financial support (including Wellcome Trust and/or BIRAC/ or any other awards)

Please list all key forms of financial support in the last five years (commercial, research grants, etc. - list the most recent first). Please state the name of the funder, name(s) of recipient(s), title of project or enterprise, amounts awarded and currencies, your role in the project, and start and end dates of support. For all active awards, indicate the number of hours per week that are spent on each project.

Please identify with an asterisk (\*) those sources of support that have contributed to the background of this proposal.

Grants from other funding agencies

Grants from the Trust

Grants from the BIRAC

**Q15 CURRICULUM VITAE OF NAMED RESEARCHERS ON PROJECT**

This page may be duplicated if more than one is required.

(a) Surname:  Forenames:

(b) Degrees, diplomas etc: (subject, class, university and dates)

(c) Current post: (if not currently in employment, please give details of most recent post)

Position and grade:

Department:

Organisation:

Funding body:

Termination date of support:

Current basic salary (state currency):

*Basic salary must be shown separately from any salary enhancements or other allowances.*

If salary is currently funded by a Wellcome Trust grant, please give grant reference number:

(d) Previous posts: (with dates)

(e) Most recent publications: (no more than **five**; please give citation in full, including title of paper and all authors)

**Q16 CURRENCY REQUESTED**

(a) What currency is being used for the costings in this application?

(b) Is the chosen currency Foreign currency?

(c) What is your local currency if the chosen currency is not Indian currency?

(d) Please specify the currency exchange rate with your local currency that has been used to provide the costings in this application.

(e) Please state clearly the reasons for requesting costs in the chosen currency (no more than 150 words)

**Q17 SUMMARY OF FINANCIAL SUPPORT REQUESTED**

Duration of grant (state in months):

	Total cost
(a) Salaries	
(b) Materials and consumables	
(c) Animals	
(d) Equipment	
(e) Contract research organisations costs/ Outsourcing	
(f) Miscellaneous: (including Travel)	
g) Contingency	
<b>GRAND TOTAL</b>	







<b>(ii) Source of supply</b>	
<b>(iii) Purchase</b>	
Purchase price per animal	
Total number of animals to be purchased	
<b>Total purchase cost</b>	
<b>(iv) Maintenance</b>	
Total number of animals to be maintained	
Total number of weeks' maintenance required	
Cost per animal per week	
<b>Total maintenance cost</b>	
<b>(v) Experimental procedures</b>	
Types of procedure(s)	
Cost per procedure(s)	
<b>Total procedures cost</b>	

<b>(vi) Associated costs *</b>	
Staff training costs (description)	Costs
<b>Total staff training costs</b>	
Animal environment, training and enrichment costs (description)	Costs

<b>Total animal environment, training and enrichment costs</b>	
Animal licence costs (description)	Costs
<b>Total animal licence costs</b>	
<b>Total associated cost</b>	

(\*) BIRAC will consider on a case by case basis





							<b>Total:</b>		

(\*) BIRAC will consider it based on project's justified need and on a case by case basis

CURRENCY USED:

**Q18 DETAILS OF FINANCIAL SUPPORT AND RESOURCES REQUESTED (cont.)**

**(d) Equipment (cont.)**

(ii) Request for equipment maintenance. (\*) BIRAC will consider it based on project's justified need and on a case by case basis

**Maintenance of existing Wellcome Trust-funded equipment**

The Wellcome Trust will only consider providing maintenance funds for equipment more than five years old if the applicant can demonstrate it is cost-effective to do so.

Details of equipment/facility	Wellcome Trust grant reference number of original award	Award start date	Award end date	Date of purchase	Start/end dates of any current maintenance contract & length	Total cost of Maintenance contract	% time of use for this project	Total cost for project
							<b>Total</b>	



(iii) Request for access charges.

**Access charges(\*)**

Details of equipment/facility	Original source of funding	Wellcome Trust grant reference number, if applicable	Expiry date(s) of any Wellcome Trust-funded maintenance contract(s)	Standard access charge per unit	Specify unit (e.g. "per hour", "per day", "per sample")	Number of units to be used for this project	<b>Total cost for project</b>
<b>Total</b>							

(\*) BIRAC will consider it based on project's justified need and on a case by case basis. Access charges calculated on a cost recovery basis may be sought for facilities, so long as the costs are calculated on a Directly Incurred Cost basis and exclude depreciation costs.

CURRENCY USED:

**Q18 DETAILS OF FINANCIAL SUPPORT AND RESOURCES REQUESTED (cont.)**

<b>(e) Contract research organisation costs or outsourcing (description)</b>	<b>Costs</b>
<b>Subtotal</b>	

CURRENCY USED:

<b>(f) Miscellaneous (e.g. collaborative travel, subsistence etc)</b>	<b>Costs</b>
<b>Total</b>	

CURRENCY USED:

**Q19 ACCESS TO RADIATION SOURCES**

**(a) Synchrotron Radiation Sources**

(i) Will the proposed research require access to a synchrotron radiation source?

(ii) Please specify to which source(s) you will be applying

**(b) Neutron Sources**

(i) Will the proposed research require access to a neutron source?

(ii) Are you requesting costs from the Wellcome Trust?

(iii) If yes, complete table below (anticipated usage must be specified in whole days) and Q18 (d)(iii) Access Charges, detailing the costs required.

Details of neutron source	Total number of days	Number of days per annum				
		Year 1	Year 2	Year 3	Year 4	Year 5
<b>Total</b>						

(iv) Please justify your proposed access to the neutron source, including the number of days requested (no more than 500 words).

**Q20 REASONS FOR SUPPORT REQUESTED**

In this section, justify:

- (a) Staff requested **specifying their roles, responsibilities and location, if appropriate**, with respect to the proposed project (no more than 700 words)

- (b) Materials and consumables (no more than 500 words)

- (c) Animals (numbers and species) (no more than 300 words)

- (d) Equipment, equipment maintenance and access charges (no more than 700 words)  
For access charges, please show how they have been calculated on a cost-recovery basis. This can include (i) a maintenance or service contract providing a basic level of service; (ii) running costs; (iii) materials and consumables; and (iv) staff time. Please also state the percentage of time/number of hours the equipment/facility will be used for the project.

- (e) Justification for contract research organisation/ outsourcing costs requested (no more than 300 words)

- (f) Miscellaneous costs such as travel. (no more than 500 words)

**Q21 RESEARCH INVOLVING HUMAN PARTICIPANTS, BIOLOGICAL SAMPLES AND PERSONAL DATA**

- (a) Does your project involve human participants?  
If yes, refer to notes.

- (b) Will personal data be used?

- (c) Will your project involve use of biological samples?

Please state:

- (d)  
(i) By whom and when the ethics of the project has been reviewed, and specify any other regulatory approvals that have been obtained.

And/or:

- (ii) By whom and when the ethics of the project will be reviewed, and specify any other regulatory approvals that will be sought.

- (e) In the course of your project:
- (i) Do you propose to use facilities within the National Health Service in India or other territories at any time during the project within this period of funding?

If so, state which facilities and location.

- (ii) Does your research involve patients being cared for in a hospital in India or outside of India, e.g. by the UK's National Health Service?

- (iii) If the answer is yes to (i) or (ii) above, please state which organisation has agreed to be the sponsor for the project, and under which regulatory governance framework or healthcare legislation.

**Please note that the Wellcome Trust cannot act as sponsor.**

- (f) Does your project involve a clinical trial?   
If yes, refer to the guidance and submit the requested information.

- (g) If your project involves a clinical trial:

- (i) Please state whether it is covered by The Medicines for Human Use (Clinical Trials) Regulations, or any other appropriate regulatory framework or healthcare legislation.

- (ii) Please state which organisation has agreed to be the sponsor for the project.  
**Please note that the Wellcome Trust and/or BIRAC cannot act as sponsor.**

## Q22 EXPERIMENTS ON ANIMALS

Please note, this question is mandatory for all applications for funding that propose research using animals. Applications may be referred to the National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs) for review. Where animal work is sub-contracted, this question must be completed by the organisation conducting the animal studies.

- (a) Do your proposals involve the use of animals?

- (b) Do your proposals involve the use of animal tissue?

- (c) Do your proposals include procedures to be carried out on animals in the UK which require a Home Office licence? If yes, refer to guidance notes.

- C (i) Do you intend to seek relevant regulatory approval for animal work? If yes, pls refer to guidance Notes

- (d) Does the organisation where the animal work is to be carried out hold a certificate of designation under the Animals (Scientific Procedures) Act 1986?

- (e) Do your proposals involve the use of animals or animal tissue outside the UK? If yes, refer to guidance notes.

- (f) If your project does involve the use of animals, what would be the severity of the procedures? Please choose between 'Mild', 'Moderate' and 'Substantial'.

(g) Please provide details of any procedures of substantial or moderate severity (no more than 250 words).

--

(h) Why animal use is necessary: are there any other possible approaches? (no more than 250 words)

--

(i) Will the following species to be used?

Primate	
---------	--

Cat	
-----	--

Dog	
-----	--

Equidae	
---------	--

Genetically Altered Animals	
-----------------------------	--

Other animals	
---------------	--

(j) Why the species to be is used the most appropriate? (no more than 250 words)

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**(k) Primates**

(i) Do you expect facilities and practices, and the proposed research will comply with the principles set out in the 'National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs) Guidelines: Primate accommodation, care and use' (<http://www.nc3rs.org.uk/downloaddoc.asp?id=418>)?

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If not, please explain why. (no more than 250 words)

--

ii) Will the facilities and practices for all the animal work proposed comply with the principles and requirements of the Indian animal ethic requirement? And if not, please explain why.

--

Will it be necessary to transport the non-human primates (i.e from breeding facility and within the host organisation environment)?

--

If so, indicate approximate journey times and the measures that will be taken to minimise the potential stress during transport. (no more than 250 words)

(iii) Will single housing of the non-human primates be necessary at any time?

If so, please provide details in terms of the justification for single housing, its duration, and what additional resources will be provided to the animals to minimise the impact on animal welfare. (no more than 250 words)

(iv) Describe the experimental procedures involved and how any pain, suffering, distress and/or lasting harm will be minimised. Have the procedures been recently reviewed by the Named Veterinary Surgeon (NVS), Named Animal Care and Welfare Officer (NACWO) and ethical review process (ERP)? (no more than 250 words)

(v) Will any of the experimental procedures involve food and/or water restriction?

If so, justify why this is necessary and outline what alternatives have been considered. (no more than 250 words)

(vi) Will any of the experimental procedures involve restraint?

What alternatives have been considered? Describe the nature of the restraint, its duration and frequency, and what will be done to avoid distress. (no more than 250 words)

(vii) What prior experience and training in non-human primate use, care and welfare have the staff named in the application had? What provision is made for continuing professional development in these areas? (no more than 250 words)

(vii) Will any of the staff involved require specific training for any of the procedures concerned?

Please provide details of the training needed and where it will be undertaken. (no more than 250 words)

## **(I) Cats and Dogs**

(i) From where will the animals be sourced? (no more than 250 words)

(ii) Will it be necessary to transport the animals?

If so, indicate approximate journey times and the measure that will be taken to minimise the potential stress during transport. (no more than 250 words)

(iii) Are animals to be imported?

Where animals are to be imported, what journey times have been agreed with the UK Home Office? Describe the conditions for the animals at the breeding establishment and how the potential stress during transport will be minimised. (no more than 250 words)

(iv) Please provide details of the housing for the animals, e.g. enclosure size, environmental enrichment. (no more than 250 words)

(v) Will single housing of the animals be necessary at any time?

If so, please provide details in terms of the justification for single housing, its duration, and what additional resources will be provided to the animals to minimise the impact of the single housing. (no more than 250 words)

(vi) Describe the experimental procedures involved and how any pain, suffering, distress and/or lasting harm will be minimised. Have the procedures been recently reviewed by the Named Veterinary Surgeon (NVS), Named Animal Care and Welfare Officer (NACWO) and ethical review process (ERP)? (no more than 250 words)

(vii) Will any of the experimental procedures involve restraint?

What alternatives have been considered? Describe the nature of the restraint, its duration and frequency, and what will be done to avoid distress. (no more than 250 words)

(viii) What prior experience and training in animal use, care and welfare will be required of the staff named in the application? What provision is made for continuing professional development in these areas? (no more than 250 words)

(ix) Will any of the staff involved require specific training for any of the procedures concerned?



Please provide details of the training needed and where it will be undertaken. (no more than 250 words)

**Q23 RISKS OF RESEARCH MISUSE**

- (a) It is the responsibility of organisations in receipt of Wellcome Trust and/or BIRAC funding to ensure that any risks that research could be misused for harmful purposes are managed in an appropriate manner.

Please confirm that you have considered whether your proposed research could generate outcomes that could be misused for harmful purposes.

- (b) If you have identified any tangible risks of this type, please briefly describe these risks and the steps that you and your organisation will take to manage them (no more than 250 words).

**Q24 LOCATION OF RESEARCH**

- (a) Will the research project be undertaken in a Wellcome Trust Clinical Research Facility?

If yes, please specify:

- (b) Will the research project be undertaken in the Wellcome Trust Sanger Institute or a Wellcome Trust Centre?

If yes, please specify:

- (c) Will the research project be undertaken in India

If yes please specify the location of clinical Research Facilities:

Please provide a letter of support from the Director of the Centre/Clinical Research Facility specified.

**Q25 CONSULTANCIES AND EQUITIES**

Do any of the applicants have consultancies or any equity holdings in companies or other organisations that might have an interest in the results of the proposed research?

If yes, refer to notes and give brief details (no more than 200 words).

**Q26 INDIAN FOREIGN CONTRIBUTION (REGULATION) ACT , 2010 (“FCRA”): MUST BE COMPLETED BY NOT-FOR-PROFIT ORGANISATIONS, SECTION 25 COMPANIES AND UNINCORPORATED ENTITIES SET UP FOR CHARITABLE PURPOSES UNDER INDIAN LAW**

The flow of foreign funds to Indian voluntary and not-for-profit organisations is regulated by the FCRA. Under FCRA, Indian voluntary and not-for-profit organisations are required to register or obtain prior permission from the Indian Ministry of Home Affairs in order to receive foreign funds. Awards from the Wellcome Trust constitute foreign funds under FCRA.

Indian voluntary or not-for-profit organisations applying for Trust awards **must** either have prior permission from, or register with, the Indian Ministry of Home Affairs under FCRA.

**If the applicant organisation is an Indian voluntary or not for profit organization as described above, please provide your FCRA registration or prior approval number below.**

## **Q27 TREASURY POLICY (MANDATORY)**

**It is essential that applicants provide their organisation's treasury policy information with their application. Applications will not be taken forward for consideration unless this information is given. Please refer to the guidance notes for details of what is required.**

Awards are managed through a funding agreement that provides funding in advance of each milestone based upon the agreed budget necessary for delivery of defined objectives. With advance funding, award funds will be placed with your bank until they are used and the Wellcome Trust therefore has an interest in understanding how and where they will be held.

Please either (i) provide a copy of your organisation's treasury policy (in English) with your application; or (ii) insert details of your organisation's treasury policy in the space below.

Please note, this will not have any impact on consideration of the merits of your application, but will allow us to ensure funding can be released in a timely manner, if your application is successful. The Wellcome Trust must be promptly notified of any changes to your treasury policy between application and award (and throughout the duration of the award).



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## COLLABORATION ON A GRANT FORM

Collaborators, i.e. scientific/medical/academic colleagues, who are associated with a research proposal and named in the body of the application, are asked to complete this form.

Name of collaborator:

Full address:

Extent and nature of collaboration:

Detail the role and contribution of the collaborator, with an indication of the time the collaborator will spend on the research (no more than 200 words).

For biomedical research proposals only: detail any reagents the collaborator will provide. Please indicate if there are any Intellectual Property issues or restrictions arising from Material Transfer Agreements (no more than 200 words).

## ADDITIONAL INFORMATION

Additional information you wish to communicate to the Trust and/or BIRAC. For example, please state if you are sending additional material, such as collaborators' forms, under separate cover.

**Please note:** You should have received a template "Letter of acknowledgement from Organisation" from the Trust to be completed by a representative of the Technology Transfer Office/Group or the company Business Officer. Please ensure the completed letter is submitted with original signatures with your application.