**JCU GECO Animal Ethics Application**

**Draft Only [NOT TO BE SUBMITTED]**

Research/Teaching/Breeding/Display

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| Project Information | |
| Ethics Review Details | |
| Application number | Prefilled. |
| Project Title | Prefilled. |
| Application type | Prefilled. |
| Project Type | Prefilled. |
| Which of the following applies to this application? | I am applying for an exemption to Ethics Review  This project has previously been reviewed by an Ethics Committee external to JCU  None of these |
| Principal Investigator | Prefilled. |
| Academic group | --Please Select-- |
| Preferred contact number |  |
| Academic qualification(s) \* |  |
| Student/Staff? | Student  Staff |
| * Student   Does this project contribute to a qualification?  If Yes, which degree? \* | Undergraduate  Honours  Masters (Coursework)  Masters (Research)  PhD  Other Doctorate degree  Other |
| Role in project \* |  |
| Experience in your role \*  Experience in your role should outline previous experience, specifically in relation to your role in this project, or explain how you will be trained and supervised in your role. |  |
| Project duration: | Up to 6 months  1 year  2 years  3 years  5 years |
| If you are requesting more than 3 years, please justify why you will need more than 3 years and how you will have resources to cover this work \* |  |
| Detail any existing or potential conflicts of interest \*  Conflict of Interest should outline any actual or potential interest, including financial interest, other relationship, or affiliation, that may affect judgement and decisions regarding the well-being of animals involved or the ability to disseminate the results of the research. |  |
| Project Details | |
| Project description \*  Please supply a brief description of your project in LAY language. State the AIMS, CONTEXT and a brief overview of the METHODS of your proposed project |  |
| Potential benefits \* |  |
| Is this research a high-impact research that requires particular justification? \*  If your research involves (a) severe compromise to animal wellbeing for which the 3Rs cannot be fully applied such as death as an endpoint, prolonged restraint or confinement or the use of non-human primates, please justify why this research needs to be carried out, weighing it against the potential benefits. | ☐ Yes ☐ No |
| Risk/Benefit statement \*  Please justify the use of animals in the study weighing the predicted scientific or educational value against the potential impact on the welfare of the animals. (In particular, please ensure to justify any ethically contentious or potentially severe procedures). |  |
| Replacement \* |  |
| In planning your project, outline the steps you have taken to consider and apply the 3Rs \*  Examples include literature reviews, relevant conferences, discussions with colleagues, and research on websites that provide information on ways to address the 3Rs. |  |
| Approvals, permits and biosafety | |
| Does this project involve:  **Other Approvals**  If your research requires other permits or licenses in order to be able to be conducted, please outline what these are and where you are in the process of acquiring these approvals.  **Genetically modified animals** include knock-out or knock-in animals, transgenic animals, cloned animals  **Genetically modified organisms** include genetically modified bacterial, fungal or viral vectors | Work in a national/state park or reserve requiring a permit?  Wildlife or fisheries permits?  Endangered or threatened species or populations?  Are you using any genetically modified (GM) animals in your research?  Any GM micro-organisms?  Infectious agents?  Interstate work?  International work?  None of the above |
| Provide details of any permits, approvals or licences that are required. For Breeding applications, please select the Phenotype used in the Methods and Experimental Design section of the application. \* |  |

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| Collaborators and Funding |

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| Internal Collaborators Use this section where members of the project team are students or staff of JCU. | |
| Role on the team \*  This should outline the tasks and responsibilities of the person in this project. |  |
| Select Team Member \* |  |
| Student/Staff \* | Student  Staff |
| Org Unit Affiliation \* |  |
| Preferred contact number \* |  |
| Academic qualification(s) \* |  |
| Does this project contribute to a qualification? \* |  |
| Role in project \* |  |
| Experience in the role \*  Experience in the role should outline previous experience, specifically in relation to the role in this project, or explain how this person will be trained and supervised in the role. |  |

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| External Collaborators Use this section where members of the project team are external to JCU. | |
| Role on the team \* |  |
| Name \* |  |
| Organisation \* |  |
| Email \* |  |
| Preferred contact number \* |  |
| Academic qualification(s) \* |  |
| Role in project \* |  |
| Experience in the role \* |  |

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| Ethics Advisor If you would like an Ethics Advisor to review your application, please add them here | |
| Choose Ethics Advisor | --Please Select-- |

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| Funding If your funding is not listed in GECO you are required to provide details.  Create a separate entry for each type of Funding and/or Funding Body. If your project is self-funded, leave the Funding Body section blank.  Provide an approximate value that includes all cash contributions.  In-kind funds or support is the donation or provision of goods or services other than cash contributions. E.g. office space, stationary, software etc.  Details of what support will be provided in the funding should be provided in the Description | |
| Do you have a Grant for this project that has been approved in GECO? | Yes  No |
| * Yes   Select the funding record this application relates to \* |  |
| Please indicate any additional sources of funding or resources for this project |  |
| * No |  |
| The most significant source of funding/resources for this research will be \* |  |
| What is the status of the funding application? \* | Approved  Pending  Not Applicable |
| Funding Body |  |
| Funding Scheme |  |
| Description of funding support \* |  |
| Approximate Value \* |  |
| Start Date |  |
| End Date |  |
| Please indicate any additional sources of funding or resources for this project |  |

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| Animal Housing, Care and Husbandry |

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| Facilities Complete this section if you will be working with captive-housed animals in a facility of some sort e.g. Mouse facility, research station, zoo, animal park | |
| Facility \* |  |
| Facility Manager |  |
| Comments |  |

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| Fieldwork Locations Complete this section if you are working in the field with animals that are in the wild or extensively-housed livestock | |
| Name or approximate location |  |
| Type of site \* |  |
| Location address \*  This can be a physical address, GPS co-ordinates, region, national/state/marine park etc |  |
| Country \* |  |

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| Animal Housing, Care and Husbandry Please explain in detail how will each procedure be carried out. For instructions to answer the question fully, please refer to the Application Guideline. (Australian and Singaporean) | |
| Source/Supplier (Externally sourced animals) |  |
| Transport |  |
| Arrival and acclimation |  |
| Disease prevention and quarantine \* |  |
| Housing/Holding \* |  |
| Husbandry, care and feeding \* |  |
| Animal identification |  |

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| Methods And Experimental Design |

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| Animal Details | |
| Choice of animals: \*  What species, strain/breed, sex, age etc are you asking to use? |  |
| Justification for choice of animal: \*  Provide the reason this (these) animal(s) have been chosen. |  |
| Welfare issues presented by choice of animal: \*  For genetically modified animals, does the genetic modification lead to any welfare issues with the animals? If so, outline how their welfare will be supported. |  |
| Describe how you’ve calculated the number of animals requested: \*  Describe how you've calculated the number of animals required in terms of the design of the experiment(s) e.g. Any treatment groups, number of animals per group |  |
| Could any of the following occur in the field where it may not be possible to apply for an amendment? \* | Taking of Voucher Specimens  Collection or use of species not contained in this application  Use of methods not outlined in this application  None of the above |
| If yes, please explain further \* |  |

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| Animal Numbers Please list the animals that are being used.  If you are using Genetically Modified animals, and cannot find the relevant approved Phenotype form, please create a new one from the SOP submission section for approval or contact Ethics office.  For Australian researchers, please fill in all fields except Pain Category.  For Singaporean researchers, please refer to the Application guideline for Pain category descriptions and choose the appropriate pain category for your use of animals.  You can use animal group (genus, family, order) if the research involves many species.  If you cannot find the species/family group in the dropdown list, please contact Ethics Office to add it into the list. | |
| Country \* |  |
| State\* |  |
| Are you using \* | Mice or Rats  Others |
| Scientific name of the animal |  |
| Pain Category  For Singapore only | NA |
| Number \* |  |
| Life stage |  |
| Additional Comments |  |

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| Reduction Not required for Holding and Display application | |
| Describe how you have ensured that you are using the minimum number of animals required to achieve your aims \* |  |
| Is this a repeat or continuation of a previous project? \* | Yes  No |
| * If yes, provide details \* |  |
| What is the statistical basis for the number of animals requested in this project, if applicable? \* |  |
| Has a statistician reviewed or been involved in deciding the number of animals being used on this project? \* | Yes  No |

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| Methods Provide a step-by-step description (in lay language) of what will happen to the animals during the project. Include a timeline of the project and include SOPs for any procedures and other methods being used.  Upload any documents, tables, pictures or diagrams in the Attachments section and ensure they are referenced in your answer(s).  For breeding projects: Outline the procedures used to breed the animals in the program, including the gestation, how and when the animals are paired, weaned, monitoring for pregnancy, birth, care of offspring etc. Include any assisted breeding procedures to be used.  Not required for Holding and Display application | |
| Describe the methods that will be used in the project \* |  |
| Choose the SOP's and/or Phenotypes used in this project |  |

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| Refinement Identify and describe each step or procedure in this proposal that may compromise an animal’s well-being. Provide a brief description of measures taken to prevent any adverse effects the research may have on the animals involved.  Note that non-pharmacological methods to reduce pain and distress must be considered | |
| Describe anything that may compromise an animal's well-being and measures taken to prevent this \* |  |
| Do all methods and procedures for the care and use of animals for scientific purposes meet best practices? \* | Yes  No |
| * No, justify why these need to be used in terms of the aims of your project \* |  |
| Describe what will be done to ensure the animals are able to meet normal behavioural needs \* |  |

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| Animal Monitoring Include information on monitoring post-arrival, during procedures and post-procedure.  If doing field animal tracking of wildlife, the weight, design, and positioning of attached devices must minimise interference with the normal survival requirements of the animal. | |
| Describe how animal well-being will be monitored at each stage of the project \* |  |
| Monitoring Criteria \* |  |
| Monitoring Frequency \* |  |

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| Emergency Plans If working in the field, what are your plans in case of unexpected situations | |
| Outline what will be done in the case of emergencies in the field  E.g. power failure, fire, etc |  |
| Describe what will happen if an animal is found to be sick, injured or expressing signs of distress in the field |  |

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| **Scientific and Unexpected Endpoints**  Consider if there is a local veterinarian available to receive animals or if a suitable method of euthanasia is available in the field. | |
| What is the maximum time that the animals would be held in this project? \* |  |
| What criteria will be used to determine humane endpoints? \* |  |

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| **Fate of Animal(s)**  Consider if animals can be returned to normal husbandry or farm conditions, released, euthanased or kept in a laboratory or display. If animals are to be euthanased consider how this will be done, where it will take place and who will carry it out. | |
| What will happen to the animals at the end of their time on the project? \* |  |
| If animals are to be euthanised as part of the project or because they are seriously injured, please indicate the procedures to be undertaken \* |  |
| Have any of the animals been used previously and/or will any of the animals be reused in other projects in the future? \* | Yes  No |
| * YES: Please provide details of their previous and potential future use (provide the ethics approval number if applicable) \* |  |
| * YES: Outline how you will ensure the animals have recovered sufficiently in between use \* |  |
| Could any animals be rehomed or released? \* | Yes  No |
| What steps will be taken to ensure the ongoing well-being of the animals? \* |  |
| Could animal tissues, carcasses or data be shared with or provided to other investigators to replace the use of living animals in their work? \* | Yes  No |
| * NO: If not, please explain why not \* |  |

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| Attachments and Comments |

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| Attachments Please upload documentation that assists or supports the answers provided in the form. Examples include   * reasons for exemption * approval by another Ethics committee * diagrams, tables, pictures * monitoring sheets or welfare checklists   Mandatory training certificate is required. | |
| Upload file |  |
| Document type \* |  |
| Version |  |
| File name description \* |  |

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| Comments You can add comments to a proposal here by typing in the comment and clicking on Add   * To delete a comment, click on Delete in the Actions column. | |
| Upload file |  |
| Document type \* |  |
| Version |  |
| File name description \* |  |