**UNIVERSITY OF MEDICAL SCIENCES, ONDO,**

**ONDO STATE, NIGERIA**

**ANIMAL RESEARCH ETHICS COMMITTEE (UAREC)**

**APPLICATION FORM**

**A. Project Details (To be filled by Applicant)**

**Please type your project details in Times New Roman 12 point in the boxes**

|  |  |
| --- | --- |
| **Project title**  |  |
| **Responsible investigator** **(include title, name & position)** |  |
| **Department** |  |
| **Phone** |  |
| **Email** |  |

**SECTION B: Research Outline**

**B1. Purpose of Research**

**Please indicate the primary purpose of the project by deleting YES or NO as applicable**

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| **Teaching** **This covers all teaching activities and vocational training conducted by and/or involving UNIMED as staff and/or students** | **YES / NO** |
| **Research** | **YES / NO** |

**B2. Duration of Research**

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| --- | --- |
| **Expected commencement date:**  |  |
| **Expected completion date:**  |  |

**B3. Research Progress**

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| --- | --- |
| **Has this investigation already commenced as part of a previously approved project?**  | **YES / NO** |

**If ‘YES’:**

|  |  |
| --- | --- |
| **Year in which investigation commenced:**  |  |
| **Previous Approval Number:** |  |

**B4. Potential benefits of the project (lay summary)**

**This section is to assist the Committee members in understanding the reasons behind the request for approval to use animals and the potential benefits of the project.**

**Please give a clear description in *plain English* of:**

1. **The major aims of the project**
2. **The animals to be used**
3. **The procedures to be employed (ie what will actually happen to the animals)**
4. **The expected benefits in:**
* **increasing our understanding of humans or animals;**
* **maintaining or improving human or animal health and welfare;**
* **improving animal management or production;**
* **achieving educational objectives or achieving environmental objectives.**

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**SECTION C: Justification**

**Please provide justification for the use of animals in this project, weighing the predicted scientific or educational value of the projects against the potential impact on the welfare of the animals.**

**NB: Particular justification must be given for potentially severe or ethically contentious procedures, for example:**

**• Unrelieved pain and distress, including where the planned endpoints will allow severe adverse effects to occur;**

**• Death as the end point;**

**• Reuse of animals;**

**• Prolonged restraint or confinement;**

**• The use of non-human primates.**

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**SECTION D: Animals**

**D1. Number and species**

**Please indicate if applicable:**

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| **Observational study / survey / trapping/experiment – numbers of Animals determined.**  | **YES / NO** |

**If ‘YES’:**

**Indicate Number or give reasonable estimate**

**Make the best estimate you can and explain why it is not possible to be more accurate e.g. *Trapping has not been carried out in this area before*. You will need to keep the UAREC regularly informed if the numbers exceed your estimate or animals you did not specify in the application are trapped.**

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| 100 male Wistar Rats. This is the minimum number of animals useable for this study |

***Please use a separate row for each species and tab to add additional rows as required***

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| **Species*****(common and scientific names)*** | **Strain** | **No. to be used*****(lst yr of project)*** | **No. to be killed*****(1st yr of project)*** | **Approx total no.****to be used in complete project (*ie over 3 year approval period*)** | **Source** | **Location** |
|  |  |  |  | **-** |  |  |
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**D2. Description of Animals**

**Give strain, age, sex and weight if applicable. Explain why these species/strains, etc. of animals have been chosen.**

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**D3. Reduction**

* **Number of animals**

**Explain, on the basis of experimental design, why this number of animals will be required. This must be the minimum number of animals that is necessary in order to obtain a valid result. (In the event that additional animals are needed, a UAREC application for modification should be submitted).**

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* **Re-use**

**Is there an opportunity for re-use by the sharing of tissues or animals?**

**Individual animals must not be used in more than one study, either in the same or different projects, without the express approval of the Committee. However, appropriate re-use of animals may reduce the total number of animals used in a project, result in better experimental design, reduce distress or avoid pain to other animals.**

**If the investigation involves the use of animals that have been the subject of previous research, you will need to justify their use in this project, give the previous investigation number and describe this previous use and current condition.**

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* **Previous studies**

**Does this investigation repeat previously reported studies? If so, give references and justify why repetition is necessary.**

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| **No** |

**D4. Replacement**

**Please provide an explanation of why animals are needed for the project including:**

* **a list of any potential alternatives to animal use;**
* **whether any of these are being used in this project, and if not;**
* **why alternatives are unsuitable for this project.**

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**D5. Refinement**

**The aim of refinement is to reduce the impact of the investigation on the animals that are used. Describe the measures to be taken to address those factors and procedures that may impact on an animal’s well-being. Refinement might be achieved in a number of areas eg research design, procedures, housing conditions, animal handling. For relevant projects, describe clearly the circumstances that would lead to euthanasia of an animal.**

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**SECTION E: Declarations**

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| **HEAD OF DEPARTMENT/UNIT** **NB: If the Head of Department/Unit is one of the investigators, an appropriate person must sign the following statement of scientific merit.**  |
| ***I consider that the research investigation or teaching activity detailed in this application is justified on scientific and/or educational grounds. I confirm that facilities are available to ensure the welfare of the animals whilst they are in my department.******I am satisfied that all personnel who will be involved with the proposed investigation are familiar and will comply with all relevant legislation and the University of Medical Sciences, Ondo, Research and Ethical Committee guidelines and policy. I shall ensure, as far as I am able, that the principles of the Code will be complied with throughout the investigation.*****Name: .....................................................................** **Designation: ...........................................................****Signature:** **Date:**  |

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| **PERSONNEL/INVESTIGATORS/RESEARCHERS** |
| ***I am familiar and will comply with all relevant legislation and the University of Medical Sciences, Ondo, Research and Ethical Committee guidelines and policy. I accept that I have a responsibility to ensure that the investigations and procedures proposed in this form are conducted fully within the conditions laid down and I undertake not to use any animals or carry out any procedures which have not been approved by the Committee. I accept that the responsible investigator has ultimate responsibility for the project.*** |

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| **Name of Principal Investigator:** **Signature:** **Date:**  |

**SECTION F: UAREC Use Only**

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| **Application/Project Number:**  | **Verdict:**  **Acceptable**  **Differed**  **Revision Needed** **Not Acceptable** |
| **Date of Submission:** | **Verdict Date:**  |
| **Submission Format: E-mail** | **Approval Number:**  |
| **Date Returned:** | **Name, Designation & Signature of Chairman:** |

**Duration of approval: From: To:**

**Any specific issues earlier flagged for consideration by the UAREC?**

**[ ]  Yes [ ]  No**

**If Yes Give Details:**