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|  | **Research Proposal**  **Application Form**  **(for Thesis)**  **Research Ethics Committee**  **MBRSI- IORG0010947** |  |

**This section for official use only**

**Proposal #:**

**Submission date:**

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| **Revision 1** |  | **Revision 2** |  |

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| 1. **Study information** | | | | | | | | | | | | | | | | | |
| 1. **Study title:** | | | | | | | | | | | | | | | | | |
| * English | | | | | |  | | | | | | | | | | | |
| * Arabic | | | | | |  | | | | | | | | | | | |
| 1. **Study degree:** | | | | | | **Master** |  | | | **Ph.D.** | | |  | | | | |
| 1. **Registered Dept.** | | | | | | **Molecular Biology** |  | | | **Biotechnology** | | |  | | | **Bioinformatics** |  |
| 1. **Student Name:** | | | | | |  | | | | | | | | | | | |
| 1. **Supervisor committee:** | | | | | | | | | | | | | | | | | |
| 1. **Main Supervisor / Corresponding Contributor** | | | | | | | | | | | | | | | | | |
| **Name** | | | | |  | | | | | | | | | | | | |
| **Specialty** | | | | |  | | | | | | | | | | | | |
| **Dept.** | | | | |  | | | | | | | | | | | | |
| **Faculty/University** | | | | |  | | | | | | | | | | | | |
| **Email** | | | | |  | | | | | | | | | | | | |
| 1. **Co-supervisor(s) / Other Contributor(s)** | | | | | | | | | | | | | | | | | |
| **Name** | | | | | | | | | **Specialty** | | | | | | | | |
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| 1. **Type of Research and Activities Involved (please check all that apply):** | | | | | | | | | | | | | | | | | |
| **Type** | | | | | | | **Materials** | | | | | **Methods** | | | | | |
|  | Retrospective study  Human Participant Recruitment  Animal Studies  *In vitro* Studies  Clinical Trials Case Report  Experimental animals  Other (please specify): | | | | | |  | Infectious agents  Tissue/Cell lines  Therapeutic Intervention  Blood Sampling  Tissue Sampling  Other (please specify): | | | | | |  | Genetic Analyses  Conventional Microbial analysis  Secondary Data/Specimen Analysis  Molecular Diagnosis  Biochemical analysis  Other (please specify): | | | |
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| 1. **The National Strategy for Science and Innovation 2030** | | | | | | | | | | | | | | | | | |
| **Energy** | | | | | | |  | | |  | | | | | | | |
| **Water** | | | | | | |  | | |  | | | | | | | |
| **Health and Population** | | | | | | |  | | |  | | | | | | | |
| **Agriculture and food** | | | | | | |  | | |  | | | | | | | |
| **Environment and Natural Resource protection** | | | | | | |  | | |  | | | | | | | |
| **Technological Applications and Future Science** | | | | | | |  | | |  | | | | | | | |
| 1. **Research area: (must be confined with institutional research plan)** | | | | | | | | | | | | | | | | | |
|  | |  | | | | |  | | |  | | | | | | | |
| 1. **Availability of Funding Source:** | | | | | | | | | | | | | | | | | |
|  | | |  | **No** | | |  | | | |  | | Yes | | | | |
| If Yes, Please list all source(s): | | | | | | | | | | | | | | | | | |
| 1. **Conflict of Interest:** All investigators must declare any potential conflict of interest. | | | | | | | | | | | | | | | | | |
|  | | |  | **No** | | |  | | | |  | | Yes | | | | |
| If Yes, Please explain: | | | | | | | | | | | | | | | | | |

1. **Study proposal/protocol**
2. **Background:**
3. **Research Problem:**
4. **Research Question:**
5. **Research Hypothesis:**
6. **Research Aim:**
7. **Research Objectives:**

**Primary Objective:**

**Secondary Objectives:**

1. **Study Design:**
2. **Study Setting: (including all collaborating centres)**
3. **Study Population:**
4. **Details of the Study Subjects / Participants**
5. **Inclusion / Exclusion Criteria**
6. **Study Procedures:**
7. **Data Management and Analysis:**

- All obtained data will be statistically analyzed using appropriate and relevant procedures.

*- Please provide names and types of the used tests:*

*If your study is descriptive with no comparisons between groups:*

*Numeric data will be presented as mean± SE, or as median and range according to the type of distribution of each variable.*

*If your study includes comparisons between groups:*

*Comparison between groups will be made by Student’s t-test according to data distribution.*

*Chi squared test for categorical values.*

1. **Ethical Part and Confidentiality:**

- All authors of the current project confirm their compliance with the internationally recognized bioethical standards throughout the entire work.

- Study ethical approval will be granted by the Research Ethics Committee, Molecular Biology Research & Studies Institute (MBRSI), Assiut University.

- No study activities will be started until the approval is obtained.

1. **Publication:**

- Student name will be first author in direct extracted publication based on the results of this proposed protocol followed by supervisor committee.

- Main supervisor will serve as the corresponding author of any extracted publications.

- After the approval of all members of the supervisory committee, other authors may be added to the authorship of the publication if significantly contributed to the work.

- Those who will contribute less substantially to data collection and analysis will have an acknowledgement in the manuscript.

1. **Attachments (if applicable):**
2. **References:**

**Research Reporting Timetable:**

***Please mark squares corresponding to time required for each specific action***

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| **Activity**  **(Other activities may be added)** | ***Time required (Months)*** | | | | | | | | | | | |
| **2** | **4** | **6** | **8** | **10** | **12** | **14** | **16** | **18** | **20** | **22** | **24** |
| **Preparation and development of Material** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Training of personnel involved in the research (if needed)** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Research work (Clinical, lab work or field work)** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Data entry and analysis** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Research writing** |  |  |  |  |  |  |  |  |  |  |  |  |
| **Publication** |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Commitment of Supervisory committee/ contributors** | | | | | | | | | | |
| ***I agree to conduct this Research in accordance with applicable regulations, procedure and policies of MBRSI and to submit required progress reports.*** | | | | | | | | | | |
| **Name** | | | **Role *(M. Sup., Co-Sup., PI, Co-I)*** | | | | **Signature** | | **date** | |
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| **Approval of Registered Department** | | | | | | | | | | |
| **Molecular Biology** |  | **Applied Biotechnology** | | |  | **Applied Bioinformatics & Biostatistics** | | | |  |
| ***The research proposal was found scientifically sound after appropriate field expert reviewing and lays within Institutional research plan priorities. The investigator has appropriate resources to conduct the Research.*** | | | | | | | | | | |
| **Head of Department** | | | | | | | | | | |
| **Name** | | | | **Signature** | | | | **Date** | | |
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| **Decision of MBRSI-Research Ethical Committee:** | | | | |
| **Decision** | | **Date** | **Reviewers signature** | |
| Approved |  |  |  | |
| Minor revision |  |  |
| Major revision |  |  |
| Approved after revision |  |  |
| Rejected |  |  |
| **Comments *(points need to be readdressed)*** | | | | |
| **Head of MBRSI-Research Ethics Committee approval** | | | | |
| **Name** | | **Signature** | | **Date** |
|  | |  | |  |