**Project Title:** Mass production of tsetse flies for research applications

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<th>Institute</th>
<th>Biotechnology Research Institute</th>
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<td>Center(s)</td>
<td>KALRO BioRI-Muguga</td>
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<tr>
<td>Principal Investigator</td>
<td>Florence Wamwiri;</td>
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<td>Other investigators</td>
<td>Andrew Mageto; Paul Thande; Miriam Jemutai; Naftali Ogari; George Kimotho; Patrick Obore;</td>
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**Problem Statement**
Tsetse fly transmitted animal trypanosomosis (nagana) is a major constraint to livestock productivity, affecting up to 60% of Kenya ASALs. Control of the tsetse vector is an integral part of disease management. Up-to-date knowledge and understanding of tsetse biology, genetics, and parasite-vector interactions contributes to development of improved vector control strategies. To facilitate this, it is necessary to maintain a laboratory colony of flies to provide researchers with standardized research material to perform the necessary investigations.

**Objective(s)**
Provide researchers with standardized material for research purposes

**Planned Activities**
1. Collection of blood from commercial abbatoir
2. Blood decontamination and quality assurance
3. Routine breeding activities

**Outputs**
1. Sufficient quantities of blood collected for feeding flies
2. Quality of blood assured
3. Self-sustaining colony maintained

**Outcomes**
Sufficient quantities of biological materials (live tsetse flies, pupae) for research activities

**Budget**
-

**Start date**
2010-01-01

**End date**
2020-12-31

**Funded by**
GoK;