**Appendix B: Research Protocols**

**Research/Teaching requiring IBC approval**

1. Recombinant or Synthetic Nucleic Acid molecules activities as required by the NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules

1. Infectious Microorganisms – Excluding those considered low risk to healthy humans and that are contained at Biosafety Level 1 (which is determined through a Risk Level 1 assessment determination)

The charts in Appendix C from *CDC Biosafety in Microbiological and Biomedical Laboratories* (BMBL)can be used to assess the risk level and biosafety level of the agent(s) being used

Faculty and student researchers engaged in any campus based research covered under the *NIH Guidelines* are required to prepare a proposal with the following required elements that should be accessible and understandable to lay reviewers. Undergraduate research associated with course or degree requirements that do not involve the cloning and propagation of recombinant or synthetic nucleic acid molecules in cells, organisms or viruses are excluded; however compliance with the *NIH Guidelines* is expected and required. All extramurally funded research must be reviewed by the IBC. All elements must be address even if “not applicable” (i.e., N/A). Researchers are required to follow up with the IBC chairperson prior to submitting a protocol for approval. The required elements include:

1. Contact Information
2. Project Title
3. Proposed Project Start and End Dates
4. Abstract
5. Research Design & Objectives
6. Description of Essential Research Elements
7. Recombinant DNA

Vector

Microbes

Assessment of Biosafety Level Required

Organ, Tissue, or Cell Cultures

Vertebrates, Invertebrates, or Plants (Note: Vertebrate research cannot be performed at this time on campus)

1. Non-recombinant Research Elements

Microbes

Organ, Tissue, or Cell Cultures

Vertebrates, Invertebrates, or Plants (Note: Vertebrate research cannot be performed at this time on campus)

1. Chemicals Used to Elicit a Biological Response
2. Disposal of Waste
3. Potential Environmental Impact
4. List Laboratory & Administrative Personnel

Description of Lab Facilities, Safety Practices, & Equipment