Guidelines for Written Proposal (OSU BME PhD program)

**Questions:**

(1) **Abstract**: Does the abstract present a complete, yet concise, summary of the entire proposal?

(2) **Background**: Is a comprehensive review of the relevant literature included? Is the importance of the research question addressed?

(3) **Significance**: Does the proposal describe how results from the proposed research will impact the field? Is the clinical significance of the research clear?

(4) **Specific aims**: Are the aims actually specific? Are the hypotheses explicitly stated? Is the work proposed likely to accomplish the stated aims?

(5) **Methods**: Are the methods clearly and completely described? Could a knowledgeable researcher in the field follow this protocol?

(6) **Methods**: Are alternatives suggested if the initial approach doesn’t work? Is there a clear timeline of what will be accomplished and when?

(7) **Data Analysis**: Are the appropriate data being collected and are appropriate statistical methods being used? Is it clear that the data can be used to test the stated hypothesis?

(8) **General**: Are there any ethical concerns with the proposal or does the investigator fail to acknowledge the need for appropriate institutional approvals (IRB, IACUC)?

(9) **General**: Is the document clearly written? Is the document well referenced?