# Preliminary Qualifying Exam Proposal Form

**Biological and Biomedical Sciences Program**

Please describe your proposed topic below. See the lists on the reverse to choose the approach, organism, and subject which best fit your topic. These categories should not be seen as limitations to your proposal; they will be used by the BBS Office to identify appropriate committee members. Feel free to list multiple choices. In summarizing your topic and goals, bear in mind that specific aims are not necessary at this point, although they may be helpful.

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Student Name: _____ Email: _____

Thesis Advisor: _____

Proposed PQE Title:

_____

Approach/Organism/Subject (see reverse or next page):

_____

Proposed PQE Topic & Goals:

_____

**Signature of Thesis Advisor:** _____ **Date:** _____

**Please return to Danny Gonzalez at danny@hms.harvard.edu**

1. **Using the information below, please complete the PQE Proposal Form, "Proposed PQE, Proposal Title (Approach/Organism/Subject)".**

**APPROACH** (Check 1-2)

- ☐ Biochemistry
- ☐ Biophysics
- ☐ Cell Biology
- ☐ Computational Biology
- ☐ Developmental Biology
- ☐ Genetics
- ☐ Genomics
- ☐ Microbiology
- ☐ Immunology
- ☐ Microscopy
- ☐ Molecular Biology
- ☐ Pharmacology
- ☐ Technology Development

**ORGANISM** (Check 1)

- ☐ Arabidopsis
- ☐ Bacteria
- ☐ C. elegans
- ☐ Chick
- ☐ Drosophila
- ☐ Fish
- ☐ Human
- ☐ Mouse/Rat
- ☐ Other
- ☐ Parasites/Protozoan
- ☐ Viruses
- ☐ Xenopus
- ☐ Yeast

**SUBJECT** (Check 1-3)

- ☐ Bacterial pathogenesis
- ☐ Cell cycle and cell division
- ☐ Cell death/Apoptosis
- ☐ Cell physiology
- ☐ Chromatin and other DNA:protein interactions
- ☐ Cytoskeleton/extracellular matrix/cell adhesion
- ☐ DNA Replication
- ☐ Enzyme mechanisms and chemistry of biomolecules
- ☐ Evolution
- ☐ Growth factors/hormones
- ☐ Growth Inhibitors
- ☐ Heart/Vasculature
- ☐ Hematopoiesis
- ☐ Human disease
- ☐ Immunology
- ☐ Infectious Disease
- ☐ Intracellular signaling and cell: cell interactions
- ☐ Membrane transport
- ☐ Morphogenesis and organogenesis
- ☐ Neurobiology
- ☐ Oncogenes and tumor suppressor genes
- ☐ Parasitology
- ☐ Plant biology and plant pathogenesis
- ☐ Protein Degradation/Turnover
- ☐ Protein folding
- ☐ Protein transport/trafficking/secretion
- ☐ RNA-protein interactions
- ☐ Signal transduction
- ☐ Structure: function
- ☐ Transcription and gene regulation
- ☐ Virology/Viral pathogenesis

2. **Please identify potential committee members:**

**Proposed Chairs:** *(Please provide <u>two</u> names of potential chairs in order of preference):*

**Proposed Examiners:** *(Please provide at least <u>ten</u> names of potential examiners in order of preference)*:

3. **Faculty that should not be used (please indicate reason – collaborator/competitor/etc.:**