GUIDELINES FOR THE FORMATTING AND SUBMISSION OF HST M.D. THESSES

I. Format of the HST-M.D. Thesis

The Thesis should be composed of:

1. A title page signed by the thesis supervisor, following the example attached.
2. Table of Contents.
3. An abstract not longer than one single-spaced page or the equivalent.
5. An introduction, including background, state of the field, and purpose of the inquiry.
6. A methods section.
7. An account of the results of original observations, experiments and analyses. This account must include detailed information as to what you yourself have done. The work of collaborators should be specifically identified as such. Do not use the royal "we" to indicate that work was done in the laboratory by unspecified persons.
8. A discussion of the methods used and the results, including a discussion of validity and limitations, and relation of these results to the observations of others.
9. Conclusions reached.
10. A complete list of references.
11. Appropriate tables and figures.

II. Note that papers published or in press cannot be included as part of your thesis, nor can they be submitted in place of the thesis. However, original research that you yourself have performed may be included in the thesis, integrated into the methods, results, and discussion, even when the research has been or will be published in a journal.

III. Special Consideration for M.D. Candidates Who are also Candidates for the Ph.D. Degree or the M.S. Degree

Students working towards a simultaneous M.D./M.S. may submit the same thesis for both degrees, as well as for the M.D. with honors if desired. The level of academic effort should be that appropriate for the M.S., e.g. a year of research and analysis. The thesis should be submitted to this office. Students working towards an M.D./Ph.D. satisfy the research
There are three other possible situations:

1. **A Ph.D. or M.S. thesis was completed before entering into the M.D. Curriculum.** In this case the Ph.D. or M.S. thesis per se may **not** be submitted in fulfillment of the M.D. thesis requirement. An M.D. thesis should be prepared based upon new work.

2. **A Ph.D. or M.S. thesis was completed while the student was a candidate for the M.D. degree.** Either the Ph.D./M.S. thesis itself, a free-standing part of the thesis, spin-off work, or work carried out independently of Ph.D. research may be submitted.

3. **A Ph.D. is in progress, but will not be completed in time for the February deadline.** A separate M.D. thesis, consisting either of research performed in the course of your Ph.D. laboratory work, but not intended to be included in the Ph.D. thesis, or research carried out independently of the Ph.D. work, should be submitted by the first Monday in February. If your Ph.D. thesis is not completed by the thesis due date, and you have not submitted an M.D. thesis by that date, you **will not receive the M.D. degree in May.**

You are strongly encouraged to consider submitting your thesis to this office for consideration for Harvard Medical School Honors in a Special Field. We hope that all theses submitted will be of a caliber that merits submission to Harvard Medical School for consideration for Honors. **The deadline for submitting a Statement of Intent for Honors is the first Friday in October.** A Ph.D. thesis may not be so submitted, but any spin-off work arising out of your research, which was not contained in your original Ph.D. thesis may be used to this end. Students who plan to submit their thesis for Honors are required to consult with their thesis supervisor and the HST thesis committee beforehand, and to submit the thesis through the thesis committee. In addition, your research supervisor must submit a letter to the thesis committee attesting that the quality of the research performed warrants an honors examination.

Please do not hesitate to contact Dr. Rick Mitchell if you have any questions at 617-432-1738 or rmitchell@partners.org.
A METHOD FOR ISOLATION OF JUXTAGLOMERULAR CELLS

by

Paula Pinkston

Harvard-M.I.T. Division of Health Sciences and Technology

Submitted in Partial Fulfillment of
the Requirements for the M.D. Degree

February, 2005

Area of Concentration: Cardiovascular/Renal/Respiratory
Project Advisor: Dr. A. Clifford Barger
Prior Degrees: A.B. (Biochemistry)

I have reviewed this thesis. It represents work done by the author under my guidance/supervision.

Thesis Advisor