APPROVAL PAGE

Honors Thesis

**The Title of the Thesis in Upper and Lower Case Letters Following this Template**

Presented by

First M. Last

Honors Thesis Advisor: First M. Last

Honors Academic Advisor: First M. Last

A Thesis

Submitted in Partial Fulfillment of the

Requirements for the Honors Program

and the Pathobiology Major

at the University of Connecticut

2023

**ACKNOWLEDGEMENTS**

 Thank Honors Thesis Advisor. Thank Honors Academic Advisor. Thank others (lab members, faculty members, etc., as appropriate). Thank the University of Connecticut Office of Undergraduate Research (OUR), if appropriate, and the Honors Program at the University of Connecticut. Example: This research has been funded by OUR Summer Undergraduate Research Fund and Supply awards to F.L.

 Consider thanking family (and friends) for their support.

**Note: Keep the margins and the double spacing of this document. It is the accepted formatting for a thesis.**

**TABLE OF CONTENTS**

Approval Page ……………………...………………………………………………….. i

Acknowledgements …………………………………………………….…………….. ii

Table of Contents ……………………………………………………………………... iii

List of Figures …………………………………………………….……………............. iv

List of Tables …………………………………………………….………….…………. v

Abstract …………………………………………………………………….………….. vi

Introduction …………………………………………………………….………............. 1

Hypothesis [or Hypotheses or Specific Aims or Objectives] ……………………. XX

Materials and Methods ……………………………………………………………… XX

Results ………………………………………………………………………………… XX

Discussion ……………………………………………………………………………. XX

Literature Cited ………………………………………………………………………. XX

**LIST OF FIGURES**

Figure 1 ……………………………………………………………………………….. XX

Figure 2 ……………………………………………………………………………….. XX

Figure 3 ……………………………………………………………………………….. XX

Figure 4 ……………………………………………………………………………….. XX

Figure 5 ……………………………………………………………………………….. XX

Figure 6 ……………………………………………………………………………….. XX

Figure 7 ……………………………………………………………………………….. XX

Figure 8 ……………………………………………………………………………….. XX

**LIST OF TABLES [if any]**

Table 1 ………………………………………………………………………………... XX

Table 2 ………………………………………………………………………………... XX

Table 3 ………………………………………………………………………………... XX

Table 4 ………………………………………………………………………………... XX

Table 5 ………………………………………………………………………………... XX

**ABSTRACT**

 The abstract is typically **one-page long** and should be carefully structured to include an introduction to the research topic (background information), the hypothesis [or Hypotheses or Specific Aims or Objectives], a description of what was performed (methods) and most importantly the results obtained and concluding remarks. In other words, it is a summary of all sections of the thesis focusing on the findings.

**INTRODUCTION**

 The introduction defines the topic to be studied and reviews the literature regarding the subject being studied. It presents the foundation for the proposed work. It is typically 2 to 6 pages long. Citations need to be included.

**HYPOTHESIS [or HYPOTHESES or SPECIFIC AIMS]**

 This is typically one, and up to two-pages long. It clearly defines the goals of the study. For example:

* First paragraph summarizes the state of the field under investigation (i.e., a literature review summary).
* Second paragraph describes the problem(s) to be solved / research question(s) and proposes a hypothesis.
* Third paragraph defines and briefly explains the Aim(s) or Objective(s) that will be investigated.

**MATERIALS AND METHODS**

**Method 1 (e.g., “Cells and viruses”)**

 X.

**Method 2 (e.g., “Luciferase reporter assay”)**

 X.

**Method 3 (e.g., “Purification of Virus-Like Particles”)**

 X.

**Method 4 (etc.)**

 X.

**RESULTS**

**Experiment 1 (e.g., “NK cells accumulate in HPV replication sites”)**

 X.

**Experiment 2 (e.g., “GAP fails to inhibit IFN-γ expression”)**

 X.

**Experiment 3 (e.g., “Overexpression of MAP inhibits HIV replication”)**

 X.

**Experiment 4 (etc.)**

 X.

**DISCUSSION**

 The discussion is typically 2 to 4 pages long. It reviews the findings and places them in proper perspective with prior work (literature), highlighting the significance. It also briefly suggests future studies and directions.

**LITERATURE CITED**

 References should be cited either alphabetically or by order of appearance and should include the title of the publication. Citations within the text are typically either numbered or more commonly cited as (Last Author, year) for theses and dissertations.

 A bibliography software is highly recommended. RefWorks and Zotero are available to all UConn students (see UConn Library website: <https://lib.uconn.edu/research/managingcitations/>).