

Application

Biology Honors Program

Please type, except for signatures:

Name :

Student Number (C-number):

Local Address:

Permanent Address:

Local Telephone:

E-mail:

Total number of credits completed by the end of this semester:

Science laboratories completed (course names):

Calculus courses completed (course names):

Current G.P.A :

Semester you expect to graduate:

Are you in the General Honors Program?

Are you a Howard Hughes Scholar?

Long-term Professional goals:

About your Faculty Research Supervisor –

Name:

Department:

Email:

If your Supervisor isn't a Department of Biology faculty member, then you must have a Biology Department Faculty Sponsor who will be responsible for submitting grades for your research courses. If you are working outside the Department of Biology, please give the name and email of your Biology faculty sponsor:

About your Biology Faculty Sponsor –

Name:

Email:

The next two items should be filled in after consultation with your Faculty Research Supervisor.

Title of Research Project or General Area of Research:

Brief Description of Research Project

Your Signature _____.

Date _____.

Biology Dept. Faculty Sponsor's Signature: _____.

Date _____.

IMPORTANT – IF YOUR RESEARCH MENTOR IS NOT A FACULTY MEMBER IN THE DEPARTMENT OF BIOLOGY, THE MENTOR MUST COMPLETE THE “Guide for Research Supervisors” WHICH FOLLOWS. A second copy of this form is attached. Have your outside research supervisor keep the copy for reference. Prior to having your mentor sign, fill out all blanks.

UNIVERSITY OF MIAMI
 GUIDE for
 RESEARCH SUPERVISORS (MENTORS)
 of STUDENTS in the
 BIOLOGY HONORS PROGRAM

The primary purpose of the Biology Honors Program is to give the student (usually a junior or senior) early experience with hands-on research and the writing of a professional-level scientific paper describing the results of the research. The heart of the Program is the research requirement (BIL 495, 496, and 497) and the writing of the Senior Thesis (BIL 498). Ancillary courses give the student opportunities to discuss his/her own research and the research of others (BIL 299, 499, and seminar courses). The direct supervisor of the student's research may be a member of the Biology Department faculty, or an established researcher outside the Biology Department.

If there are questions not answered here, please contact:

Director of the Biology Honors Program
Dr. Daniel DiResta, Department of Biology
233 Cox Science Center, Locator Code 0421
(305) 284-1715, diresta@miami.edu

RESEARCH SUPERVISORS' RESPONSIBILITIES

1 -- help the student develop his/her research **proposal** (during the semester before the research begins, or early in the first semester of research (BIL 495): (a) title; (b) background & logical context; (c) significance; (d) clear statement of the general question and the specific objectives; (e) methods that will be used, explanation of how the methods will provide the data necessary to answer the question; (f) key references to relevant published work.

2 -- supervise the student's research, with frequent (e.g., weekly) **conferences** with the student. Remember that the student should have a significant role in designing the plan of the research, making the observations and carrying out the experiments and interpreting the data, not simply acting as a technician in gathering data as part of someone else's research project.

3 -- transmit the appropriate **grade** for the Research courses (BIL 495, 496, 497) to the Biology Department Faculty Sponsor.

4 -- in the student's last semester, help the student organize his/her **Senior Thesis**, reading at least one early draft and the final version.

5 -- in the student's last semester, assist the student in preparing the required **public presentation** of his/her research (poster and/or oral "platform" presentation, as for a scientific conference).

I agree to fulfill these responsibilities for Biology students doing research in my laboratory under the Biology Honors Program.

Name (print): _____ Signature: _____

Department: _____ Date: _____

email: _____ phone: _____

*COPY FOR RESEARCH SUPERVISORS OUTSIDE THE DEPT.
OF BIOLOGY
(TEAR OFF AND KEEP)*

UNIVERSITY OF MIAMI

GUIDE for
RESEARCH SUPERVISORS (MENTORS)
of STUDENTS in the
BIOLOGY HONORS PROGRAM

The primary purpose of the Biology Honors Program is to give the student (usually a junior or senior) early experience with hands-on research and the writing of a professional-level scientific paper describing the results of the research. The heart of the Program is the research requirement (BIL 495, 496, and 497) and the writing of the Senior Thesis (BIL 498). Ancillary courses give the student opportunities to discuss his/her own research and the research of others (BIL 299, 499, and seminar courses). The direct supervisor of the student's research may be a member of the Biology Department faculty, or an established researcher outside the Biology Department.

If there are questions not answered here, please contact:

*Director of the Biology Honors Program
Dr. Daniel DiResta, Department of Biology
233 Cox Science Center, Locator Code 0421
(305) 284-1715, diresta@miami.edu*

RESEARCH SUPERVISORS' RESPONSIBILITIES

1 -- help the student develop his/her research **proposal** (during the semester before the research begins, or early in the first semester of research (BIL 495): (a) title; (b) background & logical context; (c) significance; (d) clear statement of the general question and the specific objectives; (e) methods that will be used, explanation of how the methods will provide the data necessary to answer the question; (f) key references to relevant published work.

2 -- supervise the student's research, with frequent (e.g., weekly) **conferences** with the student. Remember that the student should have a significant role in designing the plan of the research, making the observations and carrying out the experiments and interpreting the data, not simply acting as a technician in gathering data as part of someone else's research project.

3 -- transmit the appropriate **grade** for the Research courses (BIL 495, 496, 497) to the Biology Department Faculty Sponsor.

4 -- in the student's last semester, help the student organize his/her **Senior Thesis**, reading at least one early draft and the final version.

5 -- in the student's last semester, assist the student in preparing the required **public presentation** of his/her research (poster and/or oral "platform" presentation, as for a scientific conference.

Name of Biology Dept. Faculty Sponsor): _____

Biology Sponsor's email: _____

Biology sponsor's phone: _____