

Gertrude Flora Ribble Research Scholar Application

NAME:

Student ID # without the 9:

MAILING ADDRESS

PERMANENT ADDRESS

CITY

CITY

STATE

STATE

ZIP

ZIP

E-MAIL

COUNTY

CURRENT PHONE

PERMANENT PHONE

By signing here,

- a. I certify that I am a Kentucky resident and therefore eligible for a Ribble Scholarship.
- b. I give the Department of Biology permission to post my name, picture, and a description of my project on the department website.

Student's signature:

Faculty Supervisor (must be a faculty member in the Department of Biology):

Faculty Supervisor's E-mail Address:

Campus Address (Room & Building):

Phone Number:

Supervisor Signature:

IMPORTANT NOTES: The Ribble Research Scholarship, administered by the Biology Department, will support 4-6 students each academic year with awards of \$1500 each. Applicants must be Kentucky residents entering their junior or senior year of study as *Biology majors* at UK (at least 60 credits earned toward the degree). The award is to encourage high achievement in biological research. Preference will be given to applicants who have not previously received this award.

Criteria for this award are:

- **Kentucky residency** (required by Mrs. Ribble's bequest)
- **Biology major**, junior or senior status when research project begins
- **Faculty mentor in the Biology department**
- Excellent achievement and promise in biology
- Potential for a productive research experience as exemplified by the research plan
- **Need** for scholarship to enhance education

Ribble Scholars must engage in research for a minimum of TWO semesters—the current semester and the next semester—for a total of 6 credit hours in BIO 395. \$750 will be disbursed to each Scholar during each of the two academic semesters, the second payment being contingent upon satisfactory progress. Scholars are expected to publicly present their work.

Application Deadlines: Check <https://bio.as.uky.edu/scholarships-2> for updated deadlines.
Completed proposals should be submitted to biology@uky.edu



PERSONAL INFORMATION

Credit Hours earned, including the current semester:

Current Overall GPA:

Expected Graduation Date:

Major GPA:

Indicate how this award will relate to your financial needs and further your educational goals. You are not expected to spend the award on laboratory supplies.

RESEARCH WRITE-UP

Attach to this document a typed description of your current research project and proposed plans for the next semester. Brevity and clarity are essential features of good scientific writing. Organize your writing in sections with subheadings as listed below. The entire write-up must not exceed three single-spaced pages.

Review of the proposal will analyze the student's grasp of the research project, the study design in relation to the hypotheses, its rationales and implications. The student, in consultation with the faculty sponsor, must author this proposal.

I. CURRENT RESEARCH

A. **Introduction & Background** (One-half, single-spaced page *maximum*)

- What are the overall aims of the current research project?
- Provide a brief background that leads up to the central research question of your study. Include relevant references.
- State the hypotheses and goals of this research project.
- Relate your research to relevant previous work by you, your mentor, or others in the scientific community. Include references where necessary.

B. **Project Description** (One-half, single-spaced page *maximum*)

- Describe the experiments that you have performed and the purpose of these methods in relation to your aims. Make sure to spell out any abbreviations or acronyms.

C. **Expected Results** (One-half, single-spaced page *maximum*)

- Explain what the expected results from this project will be, and how they would relate to your aims.
- Explain whether this research will be presented anywhere, submitted for publication, or will contribute to the research goals of the lab you are working in.

II. PROPOSED RESEARCH FOR NEXT SEMESTER

A. **Introduction & Background** (One-half, single-spaced page *maximum*)

If your research in the next semester is a continuation of the current research...

- What are the overall aims of the next semester's research?
- What is the new or additional research question and hypothesis that you will address in the next semester? How is it related to your current research?
- If additional background information is necessary to support the new research question, then include it here. Include references where necessary. You do not need to re-write the background that you wrote in part I above, but you can refer to it.

If you will be conducting a new research project next semester...

- Provide a brief background that leads up to the central research question of your study. Include relevant references.
- State the hypotheses and goals of this research project.
- Relate your research to relevant previous work by you, your mentor, or others in the scientific community. Include references where necessary.

B. **Project Description** (One-half, single-spaced page *maximum*)

- Describe the experiments that you will perform and the purpose of these methods in relation to your aims. Make sure to spell out any abbreviations or acronyms.

C. **Expected Results** (One-half, single-spaced page *maximum*)

- Explain what the expected results from this project will be, and how they would relate to your aims.
- Explain whether this research will be presented anywhere, submitted for publication, or will contribute to the research goals of the lab you are working in.

III. LITERATURE CITED

- List all cited references including author names, year, title, journal, volume, and page numbers.

REFERENCE CITING FORMAT

Within text: Use only last names of authors.

The sky is blue (Shenoy, 2012). Researchers (Osterhage and Mirabito, 2020) have shown that the sky appears blue under certain conditions. It is known that the scattering of light causes the sky to appear blue (Mirabito et al, 2017).

Reference list:

Authors. Year. Title. Journal, volume: start page-end page.

Examples (completely made up!):

Shenoy K. 2012. The color of the sky. Journal of Sky Colors, 22: 17-23.

Osterhage JL, Mirabito PM. 2020. What color do you see? Journal of Sky Colors, 22: 17-23.

Mirabito PM, Osterhage JL, Shenoy K. 2017. Effect of light on the color of the sky. Journal of Sky Colors, 22: 17-23.