Gertrude Flora Ribble Research Scholar Application

NAME: Student ID # without the 9:

MAILING ADDRESS PERMANENT ADDRESS

CITY CITY

STATE STATE

ZIP ZIP

UKY 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 descriptionof 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 students each semester for two consecutive semesters with awards of $1000 per semester each. Applicants must be Kentucky residents entering their junior or senior year of study as *Biology majors* at UK (at least 60 credits earnedtoward 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, BIO 397, or BIO 398. $1000 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.

ACADEMIC 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

Describe 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.**

INTERVIEW: Applicants will be invited to chat briefly with the Undergraduate Affairs Committee. Students will be notified of the date and time.

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.
- 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.
- Relate your research to a big-picture issue: how does your research help to address a larger question?
- Make sure to include at least 2 references from peer-reviewed sources, with at least 1 that is not authored in your lab.

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

- Describe the experiments that you have performed until now, and will be continuing, and the purpose of these methods in relation to your aims. Make sure to spell out any abbreviations or acronyms.
- Provide a proposed timeline of the project

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

Briefly (~half page single spaced) explain what your proposed project for the next semester will be. Explain the broad aims and overall goal of the project, and how it relates to the current study.

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.