



Just-Julian Graduate Research Assistantship

DEADLINE: 2nd FRIDAY OF FEBRUARY, ANNUALLY

11/27/2018

Ernest E. Just-Percy L. Julian Graduate Research Assistantship

This application is for the Ernest E. Just-Percy L. Julian Graduate Research Assistantships. The awardee of a Just-Julian Assistantship works with a faculty member, research scientist, administrator or team of such in support of research projects. Just-Julian Assistantships are highly competitive. All applicants must ensure they satisfy any additional departmental application requirements associated with a Just-Julian Assistantship.

PURPOSE OF THE AWARD

The Just-Julian Assistantship is designed to give Ph.D. students an opportunity to gain experience in their respective academic field by working as a research assistant on a faculty member's or an administrator's research project or on their own project under the close guidance of a faculty member. This award is intended to assist in preparing graduate students to undertake their own future research endeavor(s) and also to provide an opportunity to secure supplemental financial assistance through grant funding and/or other external funding sources.

Ph.D. students are appointed to the title Just-Julian Scholars and are selected on the basis of academic achievement, research interest/potential, and serve as a trainee under the direction and supervision of a faculty member who has an ongoing research enterprise. The Just-Julian Assistantship **must not** involve teaching.

ELIGIBILITY

Applicants must be Ph.D. students in good academic standing with a minimum cumulative GPA of 3.4 or higher, and who are:

- enrolled full-time
- making good progress toward the degree (if a continuing student)
- must be sponsored by a faculty, research scientist, or administrator actively involved in research
- must be endorsed by the dean of research mentor

CRITERIA

Eligible students must complete an application. The following items must accompany the application in order to be considered:

- An essay of at least 300 words that describes: (1) what the applicant hopes to accomplish academically/personally through this Just-Julian Assistantship; and, (2) what are his or her academic and research goals that will be accomplished if awarded the graduate research assistantship. Students proposing their own project must

also provide a research project description.

- Provide (student) a Curriculum Vitae or Resume, including your research experience and other relevant experience
- Current Transcripts (an unofficial transcription with be accepted)

Faculty Sponsors must **submit with the student's application:** 1) a letter of endorsement; (2) curriculum vitae/resume that includes research and other relevant experience; and (3) a project description of at least 500 words discussing:

- the overall scope of the research and the students' role,
- the academic and research experience the student will receive; and,
- the amount and type of research supervision the student will receive.

SELECTION

The Ernest E. Just-Percy L. Julian Graduate Research Assistantship selection process is competitive. An independent Graduate Faculty Review Committee, identified and appointed by the Dean of the Graduate School, will evaluate each application submitted by the posted due date. Selections will be based on the criteria listed above. Students and their faculty sponsors will be notified of selection decisions before the start of the new academic year.

Incomplete and/or late application packets will not be considered. There will be no exceptions.

DEADLINES

Applications submitted as a single file and electronically are due the second Friday of February by 11:59 p.m. for award in the following academic year.

Faculty Sponsors must submit their supporting documents with the students' application packet. **Applications without the Faculty Sponsor's supporting documentation will not be considered for funding.**

PLEASE NOTE

A Just-Julian Assistantship is a one-time award. Students who are awarded a Just-Julian Award are not automatically awarded additional assistantship support in subsequent years. Students must submit an application for each year they plan to apply. The student must demonstrate that he or she has applied for external support when applying for a subsequent year graduate research assistantship.

**Just-Julian Graduate Research Assistant Position
Application**

To be considered for a Just-Julian Award at Howard University, please provide the following information:

Name:

Student ID:

Address:

E-mail:

Phone Number:

Current year in Graduate Program:

Field Concentration:

Subspecialty (if applies):

GPA:

On a separate sheet, please respond to the following questions:

1. **Briefly describe your research interests:**
2. **Why do you want to be a graduate research assistant?**
3. **What sort(s) of prior research experience do you have?**
4. **Why should you be selected for a Just-Julian Assistantship?**
5. **Is there a faculty member at Howard University who could speak favorably about you and your academic or research prowess? If so, please provide the faculty member's name, e-mail address and phone number. (Note: you should secure permission from this faculty member to be used as a reference *before* submitting this application). Is this the faculty member that you would like to do research with?**

Student Signature_____

Date_____

Faculty Signature_____

Date_____

Dean's Signature_____

Date_____

(Respective School/College)

Ernest Everett Just (1883-1941) was a pioneering African-American biologist, academic and science writer. Just graduated magna cum laude in biology in 1907 from Dartmouth College and was elected to Phi Beta Kappa. He accepted a position at Howard University, eventually being appointed Professor in the biology department in 1912. While at Howard, Just help to found Omega Psi Phi Fraternity. After Howard, he worked for many years at the Marine Biological Laboratory in Woods Hole, Massachusetts. In 1916, he earned a doctorate in zoology from the University of Chicago. Unable to find work at any major American University, Just moved to Europe. From 1920 to 1931, he was a Julius Rosenwald Fellow in Biology of the National Research Council. Just's primary legacy is his recognition of the fundamental role of the cell surface in the development of organisms. In his work within marine biology, cytology and parthenogenesis, he advocated the study of whole cells under normal conditions, rather than simply breaking them apart in a laboratory setting. Just pioneered many areas in physiology of development, including fertilization, experimental parthenogenesis, hydration, cell division, dehydration in living cells and ultraviolet carcinogenic radiation effects on cells. Getting little recognition in America, Just was one of the first African Americans to receive international recognition as a scientist.

Percy Lavon Julian (1899-1975) was a pioneer in the chemical synthesis of medicinal drugs such as cortisone, steroids and birth control pills. In 1923, he became the first African American to earn a master's degree from Harvard University, but he was refused admission to its doctoral program. From 1927-31, Julian was appointed to associate professor and served as chair of the chemistry department. In 1931, he earned a Ph.D. in chemistry from the University of Vienna and was appointed to full professorship at Howard. Depauw University, Julian's alma mater for his bachelor's degree, awarded him a research fellowship during which he became an expert in synthesis. Despite his impressive accomplishments, Julian continued to face discrimination in academia, so he moved to the world of business. His discoveries included new uses of chemicals found in soybeans and processes for making artificial hormones and synthetic cortisone. In 1953, he established Julian Laboratories to produce synthetic steroids which pharmaceutical companies used to make drugs. He has more than 100 patents to his name and is widely recognized as an innovator who helped to make a range of medicines more affordable. For his contributions to humanity, Julian received 18 honorary degrees and more than a dozen civic and scientific awards; he was the second African American selected to the National Academy of Sciences and the first chemist.

Sources:

www.biology.howard.edu/home.html

BlackPast.org: An Online Reference Guide to African American History

www.biography.com: Percy Julian

NOVA: Who was Percy Julian