

Johnson Undergraduate Research Program
2023 Program Guidelines and Application Procedures
Application deadline: 4:00 pm Thursday, March 30, 2023

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Background

The University of Minnesota's Theodora and Arnold Johnson Undergraduate Research Program is designed to provide students with an internship opportunity to work with a faculty member on a research topic pertaining to sustainable agriculture. The program provides an unique opportunity for students to collaborate with faculty to address issues affecting agricultural production, the environment, food science and nutrition, social impacts of farming systems, or economics of agriculture.

The research internship program is named in honor of Dr. Arnold and Mrs. Theodora Johnson. Dr. Johnson received his B.S., M.S. and Ph.D. degrees from the University of Minnesota, and held a U of MN Strietmann fellowship in biochemistry in 1923 and 1924. Few Minnesota alumni have brought such distinction to the field of Agricultural Biochemistry as Arnold H. Johnson. His leadership as President of the Research and Development Division of the National Dairy Research laboratories and as Director of Research and President of Kraft's Glenview Laboratory provided many innovations in dairy product development.

Dr. and Mrs. Johnson owned a farm which helped to strengthen their commitment to sustainable agriculture. To continue this tradition of intellectual and scientific imagination and initiative, Dr. and Mrs. Johnson's family and friends have created the Theodora and Arnold Johnson Undergraduate Research Internship Program.

Johnson Undergraduate Research Awards: A maximum award of \$4,000 is available for each research project accepted. At least two awards will be made this year.

Eligibility – CFANS Undergraduate Students: A student is considered an undergraduate if enrolled in a baccalaureate or pre-baccalaureate degree program. All full-time undergraduate students (those enrolled for 6-14 credits per semester) at the University of Minnesota's College of Food, Agricultural, and Natural Resource Sciences (CFANS) are eligible to apply provided they are in good academic standing. Go to misa.umn.edu for more information.

**Theodora and Arnold Johnson
Undergraduate Research Internship Program**

**2023 Application Cover Sheet
Deadline: 4:00 p.m. Thursday, March 30, 2023**

I. To be completed by the Student Applicant.

Name: _____ Phone: _____

Address: _____ E-mail: _____

Project Title: _____ **Project duration:** from: _____
to: _____

CFANS Department: _____ Total credit hours earned _____

__ freshman __ sophomore __ junior __ senior Cumulative GPA _____

I verify that I meet all of the Johnson Program eligibility requirements and that I am the author of the attached proposal. If funded I agree to submit a final report to MISA and to complete an evaluation of the program.

Signature: _____ Date: _____

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**II. To be completed by the Faculty Sponsor.**

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Department: \_\_\_\_\_ E-mail: \_\_\_\_\_

Address: \_\_\_\_\_

I have reviewed the student's application, completed the Faculty Sponsor Recommendation Form, and agree to sponsor this project if funded.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

ATTACH THIS FORM TO YOUR APPLICATION

**Theodora and Arnold Johnson  
Undergraduate Research Internship Program**

**2023 Budget Request Form  
Deadline: 4:00 p.m. Thursday, March 30, 2023**

Applicant Name: \_\_\_\_\_ Faculty Sponsor Name: \_\_\_\_\_

The total request cannot exceed \$4,000. The entire amount may be used for salary; but up to \$750 of the \$4,000 can be allocated to travel, supplies or other expenses required by the project.

**Salary** \$ \_\_\_\_\_  
(\$15 per hour x # of hours)

**Travel** \$ \_\_\_\_\_  
(Mileage, commercial carrier, hotel, etc.)

**Lab Supplies** \$ \_\_\_\_\_

**Computer Supplies** \$ \_\_\_\_\_

**Other Supplies** (film, processing, etc.) \$ \_\_\_\_\_

**Phone/Postage** \$ \_\_\_\_\_

**Other** \_\_\_\_\_ \$ \_\_\_\_\_

**Total Request:** \$ \_\_\_\_\_

ATTACH THIS FORM TO YOUR APPLICATION



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## **Information for Faculty Sponsors**

All College of Food, Agricultural and Natural Resource Sciences (CFANS) faculty, regardless of department, rank or nature of appointment, may sponsor Johnson Program students. The Johnson Undergraduate Research Internship Program offers faculty and undergraduate students an opportunity to work together on sustainable agriculture research projects. By working with students to help them gain knowledge, faculty are provided with an opportunity to enhance their own professional work. The Johnson Program is particularly helpful to faculty who lack funding for research assistance on sustainable agriculture projects.

### **Role of the Faculty Sponsor**

Please refer to the Johnson Program Guidelines online for additional information:  
<http://www.misa.umn.edu/student-programs/internships/johnson-research-internship>

1. Consult with the student to develop and design the research project. The student should then prepare a draft proposal and meet with you to discuss it. It is the student's responsibility to write the proposal, in cooperation with the faculty sponsor. The proposal must include the following:
  - X A **statement of the problem** to be researched and how it relates to sustainable agriculture.
  - X Relevant **citations** (to demonstrate familiarity of the area of proposed research)
  - X A description of the **final product** (a paper, article, video, poster, etc.)
  - X A description of **how the research relates** to the research of the faculty sponsor.
  - X A **timetable** for accomplishing the proposed tasks. Projects may begin anytime from April through December 2023.
  - X A **budget** (form provided). The hourly wage for this undergraduate student internship should be calculated at \$15 per hour. If the faculty sponsor can provide additional support for the later phases of the project please indicate which part is supported by the Johnson Program.
  - X Any additional forms required. Projects dealing with **human subjects** in any way (including questionnaires, surveys, interviews, etc.) or **warm blooded animals** must be approved by the University.
2. Complete the Faculty Sponsor Recommendation Form, and sign the Application Cover Sheet (forms provided).

3. Work with the student and provide oversight of the research to see that the student accomplishes the work in a timely manner. This includes overseeing the student's completion of the project and final report.
4. Oversee the budget to ensure that accurate time cards are submitted and the budget is spent as proposed. Stipend funds and expense funds may not be mixed or substituted for one another.
5. At the end of the project, complete a brief evaluation of the student's research and project. We also would like for you to comment on the Johnson Program.