

APPLICATION INSTRUCTIONS

Alan S. Tetelman 1958 Fellowships for International Research in the Sciences

Yale College is accepting applications for the Alan S. Tetelman 1958 Fellowships for International Research in the Sciences. It is expected that approximately 20 awards will be made in the spring of 2023 to support summer 2023 research.

ELIGIBILITY

Student Status

Currently enrolled Yale College first-years, sophomores and juniors are eligible to apply. Graduating seniors are not eligible.

Preference is given to current sophomores and juniors. It is expected that applicants will have some previous research experience at Yale or elsewhere.

Supported Areas of Research

Eligible areas for Alan S. Tetelman 1958 Fellowships for International Research in the Sciences are as follows:

- Research in the biological sciences, physical sciences (physics, chemistry, geology, astronomy), engineering, computer science and mathematics.

The proposed activities must be designed to address a relevant research question. Coursework or internships (other than research internships) are not eligible for support.

Appropriate Location of Research Activities

All supported research activities must be conducted outside of the United States. International students are strongly encouraged to seek out opportunities outside of their home country; support is not normally granted for activities within a student's own home country.

If the proposed project entails some work to be conducted outside of the United States and some to be conducted within the United States, Alan S. Tetelman 1958

Fellowships for International Research in the Sciences support may be used only for support of the international component. If the U.S. component is integral to the overall project plan and/or goals, final approval of the project will be contingent on demonstration of other funding for the U.S. component.

Supported travel is subject to all Yale policies with respect to international travel and to completion of all required documentation and training. Visit <http://cipe.yale.edu/travel-resources/travel-policy> for more information.

Duration of Research Activities

Research projects are expected to be between 8 and 10 weeks in duration.

International Summer Awards Program

Recipients of this fellowship who receive need-based financial aid during the spring semester may be eligible for the International Summer Award (ISA) Program. Please visit, www.yale.edu/isa, for more information.

PROPOSAL PLANNING

Research Activities

Support is granted for research to be conducted in the eligible areas (see above). The proposed research is expected to:

- Have significant academic merit, i.e., the potential to make a meaningful contribution to scholarship in the relevant field.
- Provide a significant learning experience for the applicant in ways that will prepare the applicant for further study in his or her field of interest.
- Provide the applicant with a meaningful cultural experience.

The research proposal should include a description of relevant background information, the research to be carried out, its goals, and the potential outcomes.

In addition, research projects involving human subjects must obtain approval from Yale's ethical review committees and the host country before the initiation of the research project. For more information, please visit <http://funding.yale.edu/planning/fellowships-institutional-review-board>.

If research projects involve interactions with, exposure to or the use of biohazard materials or a hazardous environment, students must describe the hazardous agent to be used, including the name of the agent, dose and the route, frequency and duration of administration, or the hazardous environment exposed to, and provide documentation from both the host institution and the PI of approval for use of the material as described above in the proposed research project or exposure to the environmental situation. The PI in his/her letter must either discuss how you will be trained to properly use the material or work in the hazardous environment or confirm by stating in the letter that you will not directly handle biohazards or work within or around the hazardous environment while working on your project. For more information please visit, <http://ehs.yale.edu>.

If research projects involve interactions with either live vertebrate animals or their environment, or tissues harvested from live vertebrate animals that were euthanized for the purpose of obtaining needed tissues, students must provide evidence of current Institutional Animal Care and Use Committee (IACUC) or IACUC-equivalent approval of the project from the host institution and PI. The PI must describe in his/her letter a) what will be your role(s) and responsibility(ies) related to the research project, b) what procedures you will be performing and/or experimental or therapeutic agents/drugs you will be administering to live animals, c) how you will be trained in the ethic use and humane care of animals used for research and d) how it will be determined that you are qualified to perform the procedures or administer the experimental or therapeutic drugs for which you will be responsible. If projects involve interactions with animals in and/or acquisition of animals from their native environments, i.e., field studies involving wild animals, a copy of the approved permit or permit application to interact with or acquire such animals must be provided that includes your name as one of the approved individuals to work with the wild animals. The permit must be active through the entire period during which you will be an active participant.

Funded projects will have to meet not only the host institution's IACUC-equivalent approval but also meet the Yale IACUC standards for use of live vertebrate animals in research. Please be advised that you may need to submit additional information to the Yale IACUC for approval of the project. For more information, please visit <https://your.yale.edu/research-support/animal-research-support>.

Students are strongly urged to consult with faculty and/or others who may be able to advise them on the identification of an appropriate mentor and the development of a strong research proposal.

Mentorship Plan

While an appropriate mentorship plan is critical to a successful application and a successful summer experience, the form that a mentorship plan will take is highly dependent on the nature of the proposed research and its location. Three potential types of supported research and their implications are described below. If your proposed plan does not fit one of these models or if you are not sure which model is appropriate, the program representatives, the Center for International Experience, or an appropriate faculty member should be able to help you in developing a mentorship plan. In addition, if you are proposing research that will be conducted entirely or in part in a language other than your native language, you should consult a faculty member in the relevant language, or the Center for Language Study, to ascertain that your language ability is appropriate to the research you propose.

Laboratory-Based or Other University-Based Scientific Research

Most students pursuing research in the sciences, mathematics and engineering will do so at a university or other host research institution under the mentorship of a faculty member at that host institution. When selecting a host institution and mentor, students should give strong consideration to the type of research being conducted, the ways in which they may expect to be involved in that research, and the ways in which they will be mentored on a day-to-day and weekly to monthly basis.

An application to pursue research under the guidance of a faculty member at a host university or other research university **must** be accompanied by a letter of endorsement, including the mentorship plan, from the proposed mentor.

Field Research Under the Supervision of a Yale Faculty Member

Many Yale faculty members in the sciences and engineering conduct research at sites outside of the United States and may be willing and able to supervise undergraduate research projects at those sites.

An application to pursue field research under the supervision of a Yale faculty member **must** be accompanied by a letter of endorsement, including the mentorship plan, from the proposed mentor. If some other member(s) of the mentor's research group rather than the mentor will be accompanying the student to the research site, the mentor must identify the on-site mentor and certify that he or she has committed to providing appropriate on-site mentorship.

Field or Other Non-University-Based Research Not Directly Supervised by a Yale Faculty Member

Students pursuing certain types of field research or other non-university-based research in the sciences may in some cases not have an on-site faculty mentor. In the absence of an on-site mentor, it is particularly critical that the research plan anticipate potential academic and logistic challenges. Even if he or she is not serving directly as a mentor for the project, a Yale faculty mentor with relevant experience may be very helpful in the development of a proposal and the establishment of on-site contacts.

In addition to seeking more extensive guidance on project planning, such students will also need to take special care to be sure that they have strong commitments from on-site contacts. Therefore, a proposal from a student who is planning such research **must** provide a letter(s) of commitment from an appropriate in-country contact(s) in addition to the letter of recommendation and endorsement from a Yale faculty member.

Housing and Travel Arrangements

Housing and travel arrangements are the responsibility of the applicant. Many major cities abroad have very tight housing markets. Check early on with your host institution or mentor abroad for ideas to locate suitable housing in the particular city or region where you will be staying. The Yale clubs abroad, https://alumni.yale.edu/find-groups?field_group_type_target_id=96#International, and various expatriate organizations may also be helpful in providing leads for housing. Check local universities and commercial websites, such as <http://www.craigslist.com>, keeping in mind that Yale College is not in a position to assess the quality of the listings on such sites. Make sure that you read and verify the accuracy of the information provided. Center for International Experience advisers may also be able to put you in touch with Yale students who have recently studied in your proposed host country. Appropriate arrangements for both housing and travel should be documented within the application.

Budget

Each proposal must be accompanied by a proposed budget, broken down by expenses and specifying the total project budget (from all sources) and the amount requested from the Alan S. Tetelman 1958 Fellowships for International Research in the Sciences program.

The proposal budget will be evaluated as to its adequacy to support the proposed activities and with respect to congruence between the total budget and the overall scholarly and pedagogic benefit of the proposed research.

It is generally expected that total project budgets will not exceed \$7,000 for summer 2023.

The committee reserves the right to make an award contingent on the student's acceptance of a modified total budget, from all sources. If a student receives more than one award for a given research project, the relevant programs will coordinate the award processes to provide an appropriate total amount of funding.

Visit http://cseas.yale.edu/sites/default/files/files/CIPE_PreparingBudget-2.pdf for Yale College budget preparation suggestions. Note: not all items listed on the *budget form* are covered by the Tetelman Fellowship.

Foreign Language Preparation

Language Evaluations are not required for English speaking countries. Your language evaluation should be submitted electronically by your evaluator through the Student Grants Database. Once you have started your fellowship application you will be able to enter the e-mail address of your evaluator and solicit your language evaluation. This will then automatically send the evaluation form to your evaluator.

APPLICATION

To assure consideration for the summer of 2023, final applications must be submitted online through the Student Grants & Fellowships database, <http://studentgrants.yale.edu/>, by Thursday, March 2, 2023, at 3:00pm ET.

Please include the following materials:

- A description of the proposed research project, including the research and training objectives, and how these will prepare the applicant for further study in his or her field of interest.
- A proposed project budget.
- A copy of the applicant's transcript (an “unofficial” copy or academic record printed from the web or obtained in your residential college dean's office is sufficient).

- A CV/résumé, including a description of relevant experience.
- If English is not the primary language at your proposed project location then you must submit a language evaluation.
- A recommendation letter from the proposed mentor, including evaluation of the qualifications and potential of the student, the scholarly and pedagogic merits of the proposed project, and a detailed plan for the supervision of the project, and any necessary safety training. If the mentor will not be accompanying the student during the project period, a letter of support from the in-country institution or institutions where the project will be carried out.
- A recommendation letter from someone either at Yale or elsewhere, that can address the applicant's qualifications for the proposed project including prior research experience.
- An additional recommendation letter from a Yale faculty member is required IF neither of the above letters is from a member of the Yale faculty.

Questions? Email: donalee.slater@yale.edu

**ALAN S. TETELMAN 1958 FELLOWSHIPS FOR INTERNATIONAL RESEARCH IN
THE SCIENCES
2023**

Pre-application

Name:

Date:

Proposed Title of Project:

Name and affiliation of Mentor:

Name and affiliation of host country contact(s), if different from proposed mentor:

Other fellowships for which you are applying to support the proposed research:

Describe the proposed research and its objectives (limit to one paragraph):

Give a brief description of the language used during the proposed research project and your level of ability in the language: