



## Overview Information

Funding Opportunity Title

### **OSU Graduate School and CCTS Summer Research Scholarship**

Funding Opportunity Purpose

The purpose of this funding program is to provide stipend support in the amount of \$5,000 to an OSU graduate student who is who is enrolled in a PhD or master’s degree program in a health science field, to enable the student to conduct a clinical and/or translational research project during the summer term.

The Ohio State University Center for Clinical & Translational Science seeks proposals that address scientific questions consistent with the Center’s mission at any “stage of research along the path from the biological basis of health and disease to interventions that improve the health of individuals and the public” as described in NIH NCATS’ Translational Science Spectrum.

Funding Opportunity Application Web Address

[http://go.osu.edu/clinical\\_translational\\_summer\\_research](http://go.osu.edu/clinical_translational_summer_research)

## Key Dates\*

Posted Date	February 3, 2020
Full Application Due Date	March 16, 2020, midnight
Notice of Award Date	April 1, 2020
Start Date	May 6, 2020
End Date	July 29, 2020

\*some dates may vary as a result of unanticipated circumstances

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## Section I. Funding Opportunity Description

### Purpose

The Summer Scholarship will enable a health science related graduate student who is enrolled in a PhD or master's degree program at the Ohio State University to conduct a clinical or translational research project during the summer term

#### Benefits:

- Summer stipend
- Recognition of student and student work by OSU Graduate School & CCTS
- Access to CCTS training programs, such as TL1 Lunch and learn, Project Management training
- Poster at CCTS annual meeting
- Membership in the CCTS with access to the CCTS newsletter and community of researchers

#### Obligations:

- Present brief written and oral report to the CCTS Executive Committee about the summer research experience
- Make poster presentation about the research at subsequent CCTS annual meeting.

## Section II. Eligibility Information

### 1. Eligible Applicants

To be eligible, applicants must be graduate students who are enrolled in a PhD or master's degree program at OSU in a health science discipline as represented by such colleges or departments as Biomedical Engineering, Dentistry, Kinesiology, Medicine, Nursing, Nutrition, Optometry, Pharmacy, Psychology, Public Health, Social Work, Speech and Hearing Science, and Veterinary Medicine.

### 2. Other Eligibility Information

1. Funds for this award are from the National Institutes of Health (NIH), and NIH rules require trainees to be US citizens, permanent residents, or non-citizen nationals.
2. Funded summer research projects must be clinical or translational in nature.

#### Definitions:

**Clinical Research:** Research with human subjects that is:

- 1) Patient-oriented research. Research conducted with human subjects (or on material of human origin such as tissues, specimens, and cognitive phenomena) for which an investigator (or colleague) directly interacts with human subjects. Excluded from this definition are in vitro studies that utilize human tissues that cannot be linked to a living individual. It includes: (a) mechanisms of human disease, (b), therapeutic interventions, (c) clinical trials, or (d) development of new technologies.
- 2) Epidemiological and behavioral studies.
- 3) Outcomes research and health services research.

**Source:** [http://grants.nih.gov/grants/policy/nihgps/HTML5/section\\_1/1.2\\_definition\\_of\\_terms.htm](http://grants.nih.gov/grants/policy/nihgps/HTML5/section_1/1.2_definition_of_terms.htm) accessed January 2020.

**Translational Research:** Translation is the process of turning observations in the laboratory, clinic and community into interventions that improve the health of individuals and the public — from diagnostics and therapeutics to medical procedures and behavioral changes.

The translational science spectrum represents each stage of research along the path from the biological basis of health and disease to interventions that improve the health of individuals and the public. The spectrum is not linear or unidirectional; each stage builds upon and informs the others.

The CCTS supports research at these points on the Translational Spectrum:

**Pre-Clinical Research** connects the basic science of disease with human medicine. During this stage, scientists develop model interventions to further understand the basis of a disease or disorder and find ways to treat it. Testing is carried out using cell or animal models of disease; samples of human or animal tissues; or computer-assisted simulations of drug, device or diagnostic interactions within living systems.

**Clinical Research** includes studies to better understand a disease in humans and relate this knowledge to findings in cell or animal models; testing and refinement of new technologies in people; testing of interventions for safety and effectiveness in those with or without disease; behavioral and observational studies; and outcomes and health services research. The goal of many clinical trials is to obtain data to support regulatory approval for an intervention.

The **Clinical Implementation** stage of translation involves the adoption of interventions that have been demonstrated to be useful in a research environment into routine clinical care for the general population. This stage also includes implementation research to evaluate the results of clinical trials and to identify new clinical questions and gaps in care.

**Public Health** researchers study health outcomes at the population level to determine the effects of diseases and efforts to prevent, diagnose and treat them. Findings help guide scientists working to assess the effects of current interventions and to develop new ones.

Source: <https://ncats.nih.gov/translation/spectrum> accessed January 2020.

3. All human subjects and/or animal research supported by the Graduate School and CCTS Summer Research Scholarship require appropriate regulatory approvals (IRB, IACUC, IBC, as applicable). These approvals must be in place at the time of application and must remain in good standing throughout study implementation.

4. Research involving foreign travel is not allowable under this award.

## Section III. Application and Submission Information

This funding announcement serves as the instructions and guidelines for applying for this scholarship.

**Submission Process.** Full Applications will be submitted through an online REDCap form here:

[http://go.osu.edu/clinical\\_translational\\_summer\\_research](http://go.osu.edu/clinical_translational_summer_research)

Submit Full Applications by the date listed in Key Dates\*.

## Instructions for Full Application Submission

### Online Submission Form

Applicants will provide the following information on the form:

- Student Information
  - Applicant name
  - OSU email address
  - Citizenship status
  - Current GPA
  - Student ID number
  - College or Department
  - Graduate degree program
  - Mentor Name
- IRB/IACUC/IBC Protocol number(s), as appropriate
- A single PDF document containing the following parts:
  - Statement about why Graduate School and CCTS Summer Scholarship is important to the student's career development and goals (up to 500 words).
  - Summary of Research Project (up to 3 pages)
    - Statement of the research problem
    - Specific aim(s) of the project
    - Research Methods

- Resume
- Demographic questions for reporting purposes.

### **Mentor Statement**

The Mentor will submit a letter with the following content:

- Assessing the candidate
- Describing how the mentor will collaborate and support the student
- Recounting, briefly, the mentor's experience as a student mentor.

The letter should be addressed to:

Rebecca D. Jackson, MD  
Director  
The Center for Clinical and Translational Science  
The Ohio State University

It should be a PDF emailed as attachment to: [ccts-education@osumc.edu](mailto:ccts-education@osumc.edu) no later than March 16, 2020, at midnight

## **Section IV. Application Review Information**

- A. Review Committee: Applications will be reviewed by a committee composed of the directors of the CCTS Mentored Career development programs (KL2 and TL1), and another program director appointed by the CCTS Director.
- B. Criteria:
  - a. The student
  - b. Strength of Mentor's evaluation of the student
  - c. Quality of the project:
    - i. Can be feasibly completed in the time allowed;
    - ii. Training/educational value of the project (conducting the project will provide meaningful experience to the student based on student goals).
    - iii. Clinical and translational nature of the project.

## **Section V. Award Administration Information**

### **Award Notices**

Meritorious applications will receive formal notice in the form of a Notice of Award provided to the applicant. Any costs incurred before receipt of the NOA are at the recipient's risk. Any application awarded in response to this RFA will be subject to terms and conditions listed in the NOA as well as federal requirements found on the [Award Conditions and Information for NIH Grants](#) website. **A completed and signed CCTS Award Acceptance Letter is required by April 15, 2020.**

### **Reporting**

**Outcome Report:** Awardee will present a brief written and oral report to the CCTS Executive Committee (to which representatives of the Graduate School and the awardees mentor(s) will also be invited) about the summer research experience at the conclusion of the award.

**CCTS Annual Meeting:** The awardee will provide a poster presentation about the research at the next CCTS annual meeting subsequent to the completion of the project.

**Citation Requirements:** Awardees are required, by law, to cite the CTSA Award number (UL1TR002733) on all products (publications, patents, presentations, posters) resulting from this award. According to National Institutes of Health (NIH) grants policy, all grantee publications (including research manuscripts, press releases and other publications or documents about research) that are funded by NIH, must include a specific acknowledgment of grant support. For example - "Research reported in this [publication/press release] was supported by the National Center for Advancing Translational Research of the National Institutes of Health under award number CTSA Grant UL1TR002733. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health." If the publication, press release, etc. was supported by more than one grant, please reference all relevant grant numbers.

**Quality Improvement and Program Outcomes Data Collection:** In an effort to maintain our reporting requirements to NIH NCATS, improve the quality of the CCTS program and our commitment to optimize the services we provide to investigators, we collect and track post-award short-term and long-term outcome metrics. We may send REDCap surveys occasionally to both applicants and awardees. Your timely participation in this effort will be greatly appreciated.

**Compliance with the NIH Public Access Policy:** Award recipients are required to comply with the NIH Public Access Policy. This includes submission to PubMed Central, upon acceptance for publication, of an electronic version of a final peer-reviewed manuscript resulting from research supported in whole or in part by the NIH. The staff of Prior Health Science Library can help investigators navigate the Public Access Policy processes.

## Section VI. Agency Contacts

### Scientific/Research & Grant Management Contact

If you have any questions regarding this RFA, please contact:

Stuart D. Hobbs, PhD, MBA  
Program Director  
Research Education, Training, & Career Development  
Center for Clinical & Translational Science  
Ste. 260 Prior Hall, 376 W. 10th Avenue, Columbus, OH 43210  
614-685-5972 Office | [Stuart.hobbs@osumc.edu](mailto:Stuart.hobbs@osumc.edu) | [ccts-program@osumc.edu](mailto:ccts-program@osumc.edu)