

CTSI Pre-Doctoral Training in Translational Research

GUIDELINES

Application due date: Thursday November 15, 2018

Preamble

The CTSI Pre-Doctoral Training Positions in Translational Research are designed to provide promising pre-doctoral students with the opportunity to be mentored in research-intensive multi-disciplinary settings toward the goal of developing careers in translational research. In biomedical terminology translational research refers to what is popularly termed "bench to bedside", the process by which research in the lab "translates" into patient treatment. Translation may involve applying discoveries made during research (in the lab, through animal studies, etc.) to the development of clinical trials and studies in humans, or carrying out research aimed at enhancing the adoption of best practices, or both. These two types of translational research are usually described as consisting of either "T1 research" (basic biomedical research, e.g. study disease at a molecular or cellular level, as it progresses to the development of new treatment options at the clinical level) or "T2 research" (enhancing access to and the adoption of evidence-based strategies in clinical and community practice, institutionalizing programs, products, and services to improve health). It is important that the translational research have clear applications to human disease. To that end, pre-doctoral training through this CTSI program is viewed as a collaborative endeavor among the trainee, the primary mentor, and the co-mentor. Therefore the application must be completed by both the primary mentor and the applicant.

As a part of this award, CTSI trainees will be required to participate in several mandatory, education activities. All first-year pre-doctoral CTSI trainees are required to participate in a translational science course that provides examples and training in the processes involved in translational research. CTSI trainees are also required to attend and present a poster at the annual Indiana CTSI meeting, attend the national CTSA pre-doctoral meeting and attend several Indiana CTSI pre-doctoral gatherings during the academic year. Brief experiential learning opportunities may also become available to trainees as NIH is now encouraging experiences that expand your research and broaden your understanding of the field and its application to human health and disease.

Opportunities available for CTSI Predoctoral Trainees

- Annual stipend comparable to other pre-doctoral training positions
- Partial tuition and fees for coursework relevant to the applicant's research
- Mentoring with a faculty member whose research program includes peer reviewed, extramurally funded clinical or translational research
- Networking with other pre and post-doctoral trainees, program mentors and allied researchers from multiple institutions in Indiana to develop a cross-disciplinary community of scientists
- Attendance at a national meeting that involves similar trainees from 40 other medical schools and research institutions
- Funding is for one year and is renewable for one additional year based upon progress attained.

Criteria for a successful application include:

- Candidate must have completed at least one year of a pre-doctoral training program but cannot have completed more than their third year (i.e., applicants must be in the second or third year of their pre-doctoral program when they apply). Applicants must be from Indiana University-Purdue University at Indianapolis, Indiana University at Bloomington, Purdue University - West Lafayette, or Notre Dame University.
- Candidate must receive interdisciplinary mentorship from a clinician-scientist and a non-clinician scientist. This means there must be at least two mentors (i.e. one person cannot fill both roles).
- Candidate must have interest in multi- and inter-disciplinary scientific training in translational research consistent with the ongoing work of the primary and co-mentors.
- The primary mentor must have a research program that includes peer reviewed, extramurally funded research.
- Applicant must be U.S. Citizen or have permanent resident status.

Submission deadline is Thursday November 15, 2018.

Include all materials listed on the 'Procedures for Submission' in one electronic submission file.

Please note that you will be submitting through the Indiana CTSI's grants management software WebCAMP. Please allow enough time to be familiar with the system.

Information on how to submit, along with the WebCAMP User's Guide, can be found here:

<https://www.indianactsi.org/funding/all-open-rfps#TL1PRE201811>

The application will be reviewed by the CTSI Training Selection Committee. Notification of the applicant and the primary mentor will be made by March 2019.