

The TRANSFORM TL1 Summer Training Program for Pre-doctoral Students

INFORMATION AND APPLICATION PROCEDURES

<p>APPLICATION DEADLINE: FEBRUARY 10, 2020</p>
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I. Background. Through the CTSA's, the NIH launched a national consortium that seeks to transform the conduct of clinical and translational research, with the ultimate goal of enabling researchers to provide new treatments more efficiently and quickly to patients. The CTSA at Columbia University encompasses extensive research support, infrastructure, training programs, and mentoring mechanisms. A key component is the **TRANSFORM TL1 Summer Training Program**, which offers structured training and practical exposure to the needed training for **pre-doctoral students currently enrolled in basic science, population science or pre-clinical doctoral programs**, who want to gain some exposure to understanding how individual differences in people's genes, environments, and lifestyles can lead to the development of innovative approaches to disease prevention and treatment.

The TRANSFORM TL1 Training Program is intended to provide students already enrolled in doctoral training programs, primarily from the Graduate School of Arts and Sciences, College of Physicians & Surgeons, School of Nursing, College of Dental Medicine, or Mailman School of Public Health, with additional research training to prepare for an academic research career that can contribute in some meaningful way to the important field of precision medicine. *Please note that precision medicine is broadly defined to include research related to lifestyle, environment, or genetics.* This 12 week summer training opportunity allows pre-doctoral students to gain knowledge and skill-sets that may be outside of their primary academic or clinical discipline. The interdisciplinary education gained as a TRANSFORM TL1 trainee will serve as an invaluable asset in conducting future research and collaborating with scientists and investigators from other clinical and academic fields of knowledge.

II. Award Provisions. With TRANSFORM support, doctoral students will obtain additional training in research. They will accomplish this goal by completing didactic training, **Introduction to Precision Medicine** that will advance their knowledge of precision medicine. They will also attend a seminar on **Responsible Conduct of Research and Related Policy Issues**. It is important to note that these course activities **will be in addition** to the mentored research project they will be completing within the 12-week summer program.

Recipients of the TRANSFORM TL1 funding will be required to submit a written progress report during each year of the training, and may be contacted periodically to provide information on their research career.

Eligible students admitted into the training program will be considered for an award that will provide 12 weeks of support including a stipend and funds for training expenses.

III. Eligibility Criteria for TRANSFORM TL1 Summer Training Program.

Specific **eligibility criteria** are as follows:

- Applicant must be a U.S. citizen or permanent resident to be eligible for funding under this program.
- The CTSA places special emphasis on multidisciplinary research. Consequently, each applicant is highly encouraged to identify **one Multidisciplinary Mentor from a different discipline** to advise on his/her research progress during the period of the CTSA award. Any Columbia University Faculty member can serve as a multidisciplinary mentor.
- Students in between their first and second year of doctoral training are preferred.

**Please note that individuals currently supported by other federal funds are not eligible for trainee support from the TRANSFORM TL1 program at the same time. The CTSA funds will replace other federal funds during the 12 week period of training in precision medicine.*

IV. Application Information

Applications will be judged primarily by: 1) the academic potential of the doctoral student to engage in and contribute to Precision Medicine research; 2) the merit of the proposed 12-week research project; 3) the strength of the recommendations.

Supplemental pieces to the application form include:

Please compile and upload as one PDF. Use Arial 11 font. As a general guideline, this document should be no more than 5 pages:

- 1. PERSONAL STATEMENT (no more than 500 words). Please describe why are you are applying to this program and what you hope to achieve over the 12 week program. Briefly state your interest in precision medicine.
- 2. PROJECT DESCRIPTION (no more than 500 words). Please describe the overall research project and list the specific aims for the overall research project.
- 3. SPECIFIC AIMS (no more than 250 words). List the specific aims for your summer research project.
- 4. PROJECT ROLE (no more than 500 words). Concisely state your specific role in the project, and in your own words, describe the expected achievements by the end of the summer.

Up to two recommendations using the recommendation form found [here](#).

The application can be accessed [here](#) and is due by 5pm on Monday, February 10, 2020.

Questions? Contact the Irving Institute Education Center at ctsa_edu@cumc.columbia.edu