



Yale Center for Clinical Investigation

2025 Yale Center for Clinical Investigation Multidisciplinary Pre-Doctoral Training Program

The YCCI Program will be open to ALL pre-doctoral applicants training across the full span of clinical and translational research. All applications will be accepted and reviewed based on scientific merit.

All Applicant Category: Multidisciplinary Pre-Doctoral Training Program in Translational Research

The Multidisciplinary Pre-Doctoral Training Program in Translational Research aims to identify and support a representative and diverse group of outstanding trainees who specifically want to pursue careers in clinical and translational research; to train them in the use of state-of-the-art research tools; to enhance their abilities to work collaboratively in complex multidisciplinary research teams; and to provide outstanding mentoring (including concordant mentoring) by experienced and diverse faculty that support the trainee's long-term professional development. Pre-doctoral students from the Schools of Medicine, Nursing, Public Health, Engineering and Applied Science, or other appropriate departments in the graduate school in training across the full span of clinical and translational research focused on human health are encouraged to apply. The program will tap into Yale's established educational leadership team, who has a diverse background in clinical and translational research, as well as expertise in the evaluation and dynamic reshaping of medical education programs. The leadership will work directly with both the trainees and their mentors to promote multidisciplinary team-based research that addresses complex medical and/or societal aspects of health and healthcare delivery in the US and around the world.

Funded by the Yale CTSA, this program focuses on providing students the opportunity to develop and participate in multidisciplinary team research with the mentorship of Yale faculty in two or more disciplines. Students in the program will:

- Identify an interdisciplinary research question related to patient or public health with aims that should be achievable in one year.
- Establish a mentoring team comprised of both primary and secondary mentors who come from distinct disciplines and work as a team to address the research question. An example would be a primary mentor from Medicine or Nursing and a secondary mentor from Biomedical Engineering or Public Health.
- Gain clinical or translational research experience under the mentorship of the mentoring team.
- Meet with one of the Co-Directors of Education at least once annually.
- Interact with Yale physician-scientists, PhD investigators, pre- and post-doctoral fellows, and graduate students.
- Participate in the YCCI Research-in-Progress (twice per month), Research Opportunities for Clinical & Translational Studies (ROCATS) summer series (weekly), YCCI Special Programs (monthly), and ROCATS team science activities.
- Attend annual YCCI-supported meetings, including All Scholars Day, Yale-Rockefeller Day, and the National Association for Clinical and Translational Science meeting.

Research projects reflect a broad-based perspective on the entire research cycle from discovery to development to delivery of care. Project areas include laboratory bench research, clinical research, biostatistics, and epidemiology, among many others. Awards will be for one year, with the option to apply for a second year of support.

Areas of Special Emphasis:

- **Promotion of Diversity in Translational Research**

We encourage applications from individuals who are members of underrepresented populations in the biomedical research workforce (see [NIH NOT-OD-20-031](#)).

- **Promotion of Health Equity Research**

We encourage applications from individuals who are conducting research related to promoting health equity.

- **Promotion of Community-Engaged Research and Implementation Science**

We encourage applications from individuals who are conducting community-engaged research or implementation science research (see https://www.atsdr.cdc.gov/communityengagement/pce_intro.html and <https://cancercontrol.cancer.gov/is/about>).

- **Promotion of New Technologies (e.g., Artificial Intelligence) in Clinical Research**

We encourage applications from individuals who are conducting research on the incorporation of new technologies to improve the health of patients.

Application Details

Due date for applications in all areas: **Friday, March 7, 2025, at 5:00 PM**

Earliest anticipated start date: **Sunday, June 1, 2025**

Applications must be submitted online via the link available at: <https://medicine.yale.edu/ycci/education/predoc/>

Requirements

- This program is funded by a National Research Service Award (NRSA) from the National Institutes of Health. Accordingly, all NRSA rules and policies apply, including the items below.
 - Applicants **must be US citizens, noncitizen nationals, or have been lawfully admitted for permanent residence** at the time of application.
 - NRSA support at the predoctoral level via institutional training grants or individual fellowship awards is limited to 5 years. Applicants may have no more than 4 years of NRSA support prior to beginning the program.
- Applicants must be Yale students actively enrolled in and in good standing in the MD program, the MD-PhD program, or a PhD program.
- Applicants who are working toward their MD degree must have a commitment from a Yale faculty primary mentor to support them in a year-long research experience and are strongly encouraged to enroll in the Master of Health Science degree program.
- Applicants who are working toward their PhD degree must have passed their qualifying examinations by the anticipated start date and be projected to remain in the PhD program for the duration of the award year.
- Program awardees who have already received 2 years of support are not eligible to apply.
- The applicant's primary mentor must hold a full-time faculty appointment at Yale University.
- The applicant's secondary mentor should come from a discipline, department, or school that is distinct from the primary mentor.

- Trainees appointed to the program must participate on a full-time basis.
- Applicants who are chosen for this award will receive:
 - **Stipend** support at the prescribed NIH pre-doctoral level, based on Ruth L. Kirschstein National Research Service Award (NRSA) Stipends, Tuition/Fees, and Other Budgetary Levels Effective for Fiscal Year 2025.
 - **Training Related Expenses** (primarily for healthcare coverage) at the prescribed NIH pre-doctoral level, based on Ruth L. Kirschstein National Research Service Award (NRSA) Stipends, Tuition/Fees, and Other Budgetary Levels Effective for Fiscal Year 2025.
 - **Travel funds.** The amount will be based on what is provided by the CTSA grant for Grant Year 2025-2026.
 - **Tuition.** The amount will be based on what is provided by the CTSA grant for Grant Year 2025-2026.
- Mentors/Departments will need to commit to covering any additional costs of the trainee, including research support costs.

Additional Terms of the Award

- Recipients must be prepared to start the award on time, which means that all required approvals (IRB, IACUC, etc.) must be obtained or submitted by the start of the award.
- Recipients will be required to complete training in the responsible conduct of research appropriate for their career stage that complies with NIH standards regarding the format and range of topics to be covered.

Questions

For questions about the application process and eligibility, please contact Christine Costantino (YCCI_Funding_Opportunities@yale.edu). For questions related to the science of the project, please contact Drs. Lloyd Cantley (Lloyd.Cantley@yale.edu), E. Jennifer Edelman (EJennifer.Edelman@yale.edu), or Chyrell Bellamy (Chyrell.Bellamy@yale.edu).