



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; 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 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 2 or more disciplines. Students in the program will:

- Identify a research question related to patient or public health.
- Establish a mentoring team comprised of both primary and secondary mentors that come from distinct disciplines that 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 laboratory research experience under the mentorship of the mentoring team.
- Interact with Yale physician-scientists, PhD investigators, pre and postdoctoral fellows, and graduate students.
- Participate in a weekly lecture series presented by world-renowned faculty.
- Attend additional institutional lectures, departmental conferences, and lab meetings.
- Present their research to program peers and Yale faculty during the final week of the program.

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.

Areas of Special Emphasis:

The YCCI Program will be open to all applicants training across the full span of clinical and translational research focused on human health. All applications will be accepted and reviewed based on scientific merit; however, some priority will be given to investigators who:

- Pursue research in health equity
- Are underrepresented minorities

Special emphasis: YCCI Multidisciplinary Pre-Doctoral Program to Promote Health Equity Research

The YCCI strongly advocates for research that will guide health care systems in ways to improve the health outcomes of all people. Health equity research is a portfolio of activities across the translational research spectrum that moves beyond documenting existing group disparities in health outcomes and healthcare delivery to generating solutions through the application of novel approaches. Rather than confined to the study of static population subgroups, health equity research interrogates the dynamic, cumulative, and interrelated structures of power, environmental conditions, and economic systems that produce unequal population health. Health equity research also identifies and highlights protective factors that are traditionally undervalued and understudied. Health equity research is grounded in rigorous interdisciplinary research methodologies and centers on the valued contributions and engagement of diverse stakeholders across all phases of research activity. We recognize our institutional responsibility to prioritize research that is responsive to communities and to create dynamic structures that support a unified mission to advance health equity and justice. Applicants whose focus is on developing expertise in health equity research are encouraged to apply for this postdoctoral program, and if awarded, will be supported for 1 year.

Special emphasis: YCCI Multidisciplinary Pre-Doctoral Program to Promote Diversity in Translational Research

The YCCI is committed to the development and support of a research workforce that engages the ideas, creativity, and innovation from all diverse backgrounds and segments of society. YCCI seeks to promote diversity in all of its training and research programs and to increase the participation of underrepresented groups. We have therefore decided to have an initiative focused on the further promotion of diversity in translational research

YCCI announces this request for applications for the YCCI Pre-Doctoral Program to Promote Diversity in Translational Research, which will provide support to under-represented predoctoral trainees. Translational research includes clinically-based, laboratory-based, population-based, or community-based research that is focused on understanding or treating human diseases. The goal of the program is to attract outstanding trainees who are members of populations that are under-represented in the biomedical research workforce and who want to pursue careers in any type of translational research. The program provides training in the use of state-of-the-art research tools; enhances the abilities of the trainees to work collaboratively in complex multidisciplinary research teams; and provides outstanding mentoring (including concordant mentoring) by experienced and diverse faculty that support the trainee's long-term professional development, including connecting diverse individuals to supportive networks; and providing resources for retention and eliminating barriers for career transition. Awards will be for one year.

All applicants who apply under this special emphasis initiative to **Promote Diversity in Translational Research** must be a member of a population identified by NIH as under-represented in the U.S. biomedical, clinical, behavioral, and social sciences research enterprise (see [NIH NOT-OD-20-031](#)).

All Application Details:

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

Due date for applications in all areas: Friday, April 8, 2022, at 5:00 PM

Anticipated start date: Friday, July 1, 2022

Applications must be submitted online via the link available at

<https://medicine.yale.edu/ycci/education/predoc/>

Requirements:

- 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.
- Current or former program awardees 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.
- 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.
- Candidates must be citizens or non-citizen nationals of the United States or have been lawfully admitted for permanent residence.
- NRSA support at the predoctoral level, via institutional training grants or individual fellowship awards, is limited to 5 years. Candidates may have no more than 4 years of NRSA support prior to beginning the program.
- Trainees appointed to the program must participate on a full-time basis.
- Applicants may request the following items
 - Stipend support at the prescribed NIH pre-doctoral level-based Ruth L. Kirschstein National Research Service Award (NRSA) Stipends, Tuition/Fees and Other Budgetary Levels Effective for Fiscal Year 2023
 - Training Related Expenses for a pre-doctoral based on Ruth L. Kirschstein National Research Service Award (NRSA) Stipends, Tuition/Fees and Other Budgetary Levels Effective for Fiscal Year 2023

- Mentors/Departments will need to commit to cover any additional costs of the trainee.

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 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 format and range of topics to be covered.

Questions:

For questions about the application process and eligibility, please contact Christine Costantino (Christine.costantino@yale.edu). For questions related to the science of the project please contact Robin Whittemore (robin.whittemore@yale.edu)