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To: Northwestern University (NU) Chairs, Chiefs, Center and Institute Directors, Training Grant Directors, and Faculty

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Re: Request for Applications, Equitable TRanslational science to Accelerate Impact of New innovations (E-TRAIN) (T32, formerly TL1)

Northwestern University Clinical and Translational Sciences Institute (NUCATS) is pleased to announce a Request for Applications for the *Equitable TRanslational science to Accelerate Impact of New innovations (E-TRAIN) (T32, formerly TL1)*. **(Contingent on funding by NIH/NCATS of the NUCATS UM1 and T32 applications submitted September 15, 2023)**

The program aims to catalyze the careers of postdoctoral scientists, who will expand their domain expertise through mentored research with increasing independence while developing foundational skills in boundary-crossing, interdisciplinary team science. This innovative program is funded as part of the Clinical and Translational Science Award (CTSA) program, supported by the National Center for Advancing Translational Sciences.

We welcome applications from individuals from diverse scientific and personal backgrounds. Candidates must have been awarded a graduate degree (MD or PhD) prior to, but a maximum of two years before, the appointment date.

For further information, determination of eligibility, or assistance in identifying mentors, please contact Priya Tripathi at priya.tripathi@northwestern.edu and Adam White at adam-white@northwestern.edu.

Key dates and deadlines:

- **Applications Due:** June 30, 2024
- **Earliest appointment date:** September 1, 2024 **(Contingent on funding by NIH/NCATS of the NUCATS UM1 and T32 applications submitted September 15, 2023)**

Please refer to the RFA beginning on the next page or visit the [NUCATS website](#) for additional information.



Equitable TRanslational science to Accelerate Impact of New innovations (E-TRAIN)

Program Information and Proposal Instructions for 2024-2025

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I. Introduction

Equitable TRanslational science to Accelerate Impact of New innovations (E-TRAIN) is an important focus of NUCATS.

E-TRAIN is a National Center for Advancing Translational Science (NCATS)-funded training program that seeks to prepare postdoctoral trainees for research careers through mentored research while they develop strategies to anticipate and overcome scientific and operational barriers that impede translation from design through implementation of novel approaches to diagnosis, monitoring, and treatment of human disease. The goal of the program is to prepare early postdoctoral trainees to become leaders in clinical and translational science.

II. Overview

The program trains postdoctoral fellows in a creative and multidisciplinary environment to enable investigators to apply translational scientific approaches to problems in health. This is a dynamic program that promotes interactions between mentors and trainees from multiple disciplines to encourage creative thinking and novel approaches to translational science.

The program will focus on foundational skills such as team science, process and operational improvement, and effective communication to diverse stakeholders. A key methodological emphasis is the infusion of implementation science into all stages of translational research.

The program will provide support for a **minimum of two years**. Training must include both mentored research and plans for other career development activities (see below).

Individuals funded by this mechanism will receive assistance in applying for other fellowship awards or independent grants during the period of this award. All trainees supported by the program are encouraged to prepare an F or K-series grant prior to the end of their appointment and are expected to submit a first-author manuscript from their funded project.

Postdoctoral fellows in the program will prepare an individualized goal-oriented career development plan and participate in an integrated didactic and mentored research.

III. Eligibility

The program accepts applicants who aim for a career in clinical and translational science.

The award is open to individuals who are beginning their postdoctoral research (no more than 2 years of experience following the date of terminal degree). Applications will be accepted from

1. PhD students, or recent graduates, with broad scientific backgrounds applicable to human health,
2. Fourth-year MD students who seek research experience prior to commencing graduate medical education, and
3. MD resident physicians who seek research experience after their first or second year of graduate medical education

Applicants who are interested in completing their research at a non-NU institution but are able to participate in career development activities at Northwestern should contact Priya Tripathi at priya.tripathi@northwestern.edu and Adam White at adam-white@northwestern.edu.

Northwestern University and the program are committed to supporting a diverse and inclusive campus community. Scholars from historically marginalized and excluded groups and diverse life experiences bring important perspectives, creativity, and individual enterprise to address complex scientific problems. Individuals belonging to groups that have been **traditionally underrepresented** in biomedical, clinical, behavioral, and social sciences (based on race, ethnicity, sexual and/or gender identities, individuals from disadvantaged backgrounds and individuals with disabilities) are strongly encouraged to apply to this program, in accordance with NIH Notice NOT-OD-20-031.

IV. Provisions of the Award

An outline of requirements are listed below, and detailed information can be found on our [website](#):

1. Complete the [T32 Data Applicant Form](#)
2. Complete the [PHS 398 Face Page](#) (no signature required)
3. Provide a **Personal Statement**
 - a. Describing commitment to equity and inclusivity in science
 - b. Including a summary of community outreach and mentorship
4. Provide a **Research Statement**
5. Provide **3 Professional References**
6. Provide a **Curriculum Vitae**

Standard NIH NRSA T32 and F-series award eligibility requirements apply.

Awardees will receive the [prevailing NRSA stipend](#), health insurance, tuition support, travel expenses, and programmatic support in the areas of qualitative methods, mentor matching, team science training, Responsible Conduct of Research training, grant writing workshops, and access to the Center for Community Health.

All trainees are expected to attend programming on a regular basis and comply with data requests while funded and with annual update requests for 15-years post-funding for NIH reporting.

Mentors are required to participate in career development activities and provide annual updates as requested, as well as provide funding to trainees for research-related expenses.

Process related questions can be directed to Priya Tripathi at priya.tripathi@northwestern.edu and Adam White at adam-white@northwestern.edu.

Questions related to selection of mentors or co-mentors and/or potential candidate eligibility or qualification can be directed to Dr. Susanna McColley at smccolley@luriechildrens.org.

V. Useful Links

- Notice of NIH'S Interest in Diversity, NOT-OD-20-031: <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-031.html>
- NIH Biosketch Format: <https://grants.nih.gov/grants/forms/biosketch.htm>
- National Center for Advancing Translational Sciences (NCATS): <https://ncats.nih.gov/>
- Northwestern University Institutional Review Board: <https://irb.northwestern.edu/>
- NUCATS Website: <https://www.nucats.northwestern.edu/>
- NUCATS T32 Website: <https://www.nucats.northwestern.edu/training/nih-funding-opportunities/tl1/index.html>
- Current TL1 Trainees: <https://www.nucats.northwestern.edu/training/nih-funding-opportunities/tl1/current-fellows.html>
- Previous TL1 Trainees: <https://www.nucats.northwestern.edu/training/nih-funding-opportunities/tl1/past-fellows.html>