



**Weill Cornell
Medicine**

**Clinical & Translational
Science Center**

Clinical & Translational Science Center

A Weill Cornell Medical College Multi-Institutional Consortium with:

Weill Cornell Graduate School of Medical Sciences / New York Presbyterian Hospital / Cornell University, Ithaca / Cornell University Cooperative Extension, New York City / Memorial Sloan-Kettering Cancer Center / Hospital for Special Surgery / Hunter College of the City University of New York / Hunter-Bellevue School of Nursing / Hunter School of Urban Public Health / Hunter Center for Translational and Basic Research / Animal Medical Center / Cornell College of Veterinary Medicine

1300 York Ave, Box 149, New York, NY 10065 • Tel: 646-962-8302 • Fax: 646-962-0534 • www.med.cornell.edu/ctsc

2026 CTSC Career Enhancement Application

The Clinical and Translational Education Program (CTEP) offers the **Career Enhancement (CE) track** to support trainees in meeting self-directed educational goals through enrollment in select didactic courses in clinical and translational science investigation. Trainees earn academic credit and receive a grade on an official Weill Cornell Graduate School transcript. A minimum attendance rate of 80% and completion of all course requirements are mandatory. Students must enroll in courses for credit; **auditing is not permitted**.

Students may enroll in up to **5 credits** while in the Career Enhancement Track. Individuals who wish to pursue additional coursework beyond the Career Enhancement track may do so upon matriculation into either the Advanced Certificate or Master's Degree in Clinical and Translational Investigation Program.

Please be advised that failure to complete a registered course or withdrawal without prior written notification to the CTSC Education Program office will result in an 'F' grade recorded on the academic transcript and will render the trainee ineligible to register for future CTSC courses.

TO START YOUR APPLICATION PROCESS,
[Click here to Initiate a Notification of Intent](#)

Then, to complete your submission please login to the Electronic Protocol Authoring and Review System (ePAR) and refer to the Application Instructions and checklist below

1. Trainee Application Form - Click on your current citizenship status to proceed. - Personnel and demographic information. Valid institutional or employer issued email is required. Please complete the impact question: briefly discuss why you wish to enroll as a non-matriculated, CE trainee, and how this opportunity would impact your career development, and if applicable, clinical & translational research goals.	☐
2. Course(s) Requested – check the “Requested?” Box, click on the “Details of Request” link, click on [add/remove] to make your course selection. - Use the Search tool to find and select the course(s) you wish to enroll. - Finalize your request by checking the “This request is finalized” box. Note: Students may enroll in up to 5 credits while in the Career Enhancement Track. Course enrollment is subject to approval by the CTSC Education Program and is not guaranteed. If you have previously taken CTSC courses, contact ctsc-education@med.cornell.edu to confirm your remaining credit eligibility.	☐
3. Required Supporting Documents: Upload as individual PDF files in the order indicated below. Weill Cornell Graduate School (WCGS) Non-Degree Form: Click on the [Downloadable Form or Instructions] link]. Copy, paste the Qualtrics link into your browser to access the survey and complete all required fields. Once survey is completed, save response as a PDF, upload into Supporting Documents. Career Enhancement Enrollment Contract: Upload the signed and dated downloadable document as a pdf.	☐ ☐
4. Non-Refundable \$175 application processing fee. Payable by Paypal. Before proceeding to make payment Graduate & Medical students, and individuals from a Weill Cornell CTSC consortium institution who have previously submitted a Career Enhancement application, email ctsc-education@med.cornell.edu.	☐

Questions? Email: ctsc-education@med.cornell.edu



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Clinical & Translational Investigation Education Program Fall 2026 Career Enhancement Course Offerings

Core Courses	Instructor (s)	Credits	Dates	Days (Times)	Location
Foundations of Clinical Research (CTIV 5012) Deadline to apply: 8/19/2026	Kapadia Schenck	3	Start: 8/31/2026 End: 12/10/2026 No Class: 9/7, 9/14, 9/21, 10/5, 11/5, 11/26	Mondays & Thursdays 3:45p-5:15p Tuesday 9/15, 9/22 & 10/6 Wednesday 11/4 3:45p-5:15p	WCGS 1300 York Ave Room TBA
Introduction to Biostatistics in Clinical Research (CTIV 5019) Deadline to apply: 8/19/2026	Christos	2	Start: 9/1/2026 End: 12/1/2026 No Class: 9/15, 9/22, 10/6, 10/20	Tuesdays 4:00p-6:00p Wednesdays 9/16, 9/23, 10/7, 10/21 4:00p-6:00p	FULLY REMOTE Zoom TBA
Genomics Workshop (CTIV 5014) Deadline to apply: 8/19/2026	Solomon	1	Start: 9/2/2026 End: 10/21/2026	Wednesdays 3:45p - 5:35p	WCGS 1300 York Ave Room TBA
Molecular Biology and Genetics in Clinical and Translational Research (CTIV 5022) Deadline to apply: 8/19/2026	Zhu	2	Start: 9/4/2026 End: 12/11/2026 No Class 11/27	Fridays 3:30p – 5:15p Wed. 12/9 3:30p- 5:15p	WCGS 1300 York Ave Room TBA
Introduction to R-Programming (CTIV 5053) Deadline to apply: 9/30/2026	Thomas	1	Start: 10/28/2026 End: 12/2/2026	Wednesdays 3:00p - 5:05p	WCGS 1300 York Ave Room TBA

Course Descriptions

Foundations of Clinical Research: This is a 3-credit, course designed for students interesting in Clinical Research. Course objectives: Evaluate research questions critically; discuss core epidemiological concepts applied in clinical research, including bias and confounding; assess the appropriateness, strengths, and weaknesses of different study designs for answering a variety of clinical research questions; and demonstrate preference for evidence over authority in the evaluation of clinical research literature interventions.

Introduction to Biostatistics in Clinical Research: This course is an introduction to the fundamental statistical issues in the design of clinical research studies. Its primary emphasis is on understanding the design and analytic methods of clinical research from a statistical perspective. Lectures and discussions will focus on the following: exploratory data analysis; basic concepts of statistical analysis; construction of hypothesis tests and confidence intervals; the development of statistical methods for analyzing data; development of mathematical models used to relate a response variable to explanatory or descriptive variables; and an introduction to statistical analysis of microarray and genomic studies.

Genomics Workshop: This course is designed to give students an overview of genomics technologies including microarray and next-generation sequencing and their applications in the biomedical field leading to design, analysis and interpretation of microarray and next-generation sequencing experiments. The course will cover all the latest techniques and theories and will be organized by a combination of lecture and practical sessions.

Molecular Biology and Genetics in Clinical and Translational Research: This is a graduate-level course designed for students interested in the application of fundamental principles and technologies of molecular biology and genetics in clinical and translational research. Goals and Objectives: The objectives are to provide: 1) basic concepts and principles of molecular biology and molecular genetics; 2) basic and contemporary technology of molecular biology and genetics in translational and clinical research; 3) hands-on practice how to use some molecular and genetic tools as related to clinical research and clinical medicine. The topics covered include the human genome, genomic variation, gene structure, gene expression, gene therapy, epigenetics, stem cells and cloning, animal models of human diseases, microbiota and molecular diagnostics and personalized/precision medicine.

Introduction to R-Programming: This is an elective course for students seeking to gain beginner-level skills in data structures, data manipulation, generating descriptive statistics, and data visualization in the R programming language and environment. Base R as well as tidyverse R coding will be covered. Previous experience with a programming language is not necessary. Applications of skills learned in this course are geared towards clinical research, but these skills are transferrable to many projects outside the scope. Prerequisites: No prior programming experience required, but some familiarity working with data in clinical research is useful.