



**Weill Cornell
Medicine**

**Clinical & Translational
Science Center**

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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

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2023 CTSC Career Enhancement Application

The Clinical and Translational Education Program (CTEP) offers the Career Enhancement (CE) track to allow enrollment in specific didactic clinical and translational investigation courses to fulfill applicants' self-identified educational needs. When enrolling in this track, you will earn course credit and have a grade recorded on an official WCGS transcript. You are expected to have at least an 80% attendance rate and fulfill all course requirements. **We do not allow trainees to audit courses.**

Trainees who wish to pursue additional training may do so once matriculated into either the Advanced Certificate or Master's Degree in Clinical and Translational Investigation Programs. Please note, failing to complete coursework or withdrawing from a course without giving written notification to the CTSC Education Program office will result in a grade of 'F' on your academic transcript and ineligibility for registration the following semester.

Medical & Graduate Students MUST seek authorization from the Medical Education Administration & the Office of the Registrar (registrar@med.cornell.edu) prior to starting an application.

TO START YOUR APPLICATION PROCESS SELECT THE LINK BELOW

[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

<p>1. Trainee Application Form</p> <ul style="list-style-type: none"> • 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. <p>2. Course(s) Requested – check the “Requested?” Box, click on the “Details of Request” link, click on [add/remove] to make your course selection.</p> <ul style="list-style-type: none"> ○ 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. <p>Note: CE trainees may enroll for a maximum of 6 core course credits. Enrollment in courses selected is not guaranteed and must be approved by the CTSC Education Program.</p>	
<p>3. Required Supporting Documents: Upload as individual PDF files in the order indicated below.</p> <ul style="list-style-type: none"> ○ Weill Cornell Graduate School (WCGS) Non-Degree Form: Click on the [More info] link, copy, paste Qualtrics link into your browser. Fill out survey. 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. 	
<p>4. Non-Refundable \$175 application processing fee. Payable by Paypal.</p>	

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



Master's Degree in Clinical & Translational Investigation Program

Spring 2023 Course Offerings

Core Course	Instructor(s)	Core / Elective	Credits	Dates	Days (Times)	Classroom
Sociocultural Barriers in STEM CTIV 5055	Mukherjee Guzman	Elective	1	Start: 2/15/2023 End: 4/26/2023 NO CLASS: 2/22, 4/5	Wednesdays (3:30-5:00pm)	WCM Campus: 1300 York Ave. Classroom pending
Advanced Statistical Methods for Observational Studies¹ CTIV 5030 Intro to Biostatistics Pre-req.	Christos	Elective	2	Start: 02/02/2023 End: 5/11/2023 NO CLASS: 4/06	Thursdays (3:30 – 5:15pm)	Fully Remote

Course Descriptions:

Sociocultural Barriers to STEM: In this seminar course we will discuss the historical context of bias and exclusion in science, read from and discuss the primary literature to understand the science of bias and why it is present and how it has continued to persist across the Science, Technology, Engineering, and Mathematics (STEM) fields, and identify actionable items to address and overcome these issues. By the end of this course, students will have learned:

- To identify types of systemic inequities in STEM
- To understand and analyze how sociological theory and principles intersect with the higher educational system and scientific workforce
- Terminology, trends, resources, and tools for understanding sociocultural barriers
- To identify and propose actions that can be implemented as individuals, as well as steps institutions can take, to decrease bias and promote equity and inclusion.

Advanced Statistical Methods: This course will provide trainees with an overview of statistical methods and issues related to the design and analysis of observational studies. Course objectives are as follows: understand the value of observational study design and the background for causal inference; analyze data (using Stata software) with multiple regression analysis to adjust for confounders; introduce observational study design analysis techniques including survival analysis, longitudinal data analysis, and propensity score adjustment methods; application of complex survey analysis and meta-analysis for observational studies (with its reporting standards); and statistical applications for imaging data. Prerequisite: Introduction to Biostatistics or similar course is required prior to enrollment.

¹ Must have already taken pre-req CTIV 5019: Intro to Biostatistics or equivalent