

GRADUATE TRAINING PROGRAMS IN CLINICAL INVESTIGATION

Graduate Training Programs in Clinical Investigation

The Graduate Training Programs in Clinical Investigation (<https://publichealth.jhu.edu/academics/academic-program-finder/graduate-training-programs-in-clinical-investigation/>) (GTPCI) are the first of their kind. A joint venture between the Johns Hopkins Bloomberg School of Public Health (BSPH) and the Johns Hopkins School of Medicine (SOM), GTPCI trains clinicians to be more effective clinical scientists. Students gain the skills necessary to design and conduct clinical investigations of emerging medical treatments and technologies, and apply new diagnostic techniques and approaches to studying human pathophysiology. GTPCI trains mostly faculty, postdoctoral fellows, and other allied health professionals working with human subjects in clinical investigation.

Graduates pursue careers in academia, and as independent clinical investigators at pharmaceutical firms and federal regulatory agencies.

In 1989, a Task Force on Clinical Research in the Department of Medicine reported the results of a survey in which one-third of GTPCI's clinical post-doctoral fellows indicated their desire to pursue "full-time clinical research" as a career objective. In the same survey, a large majority of post-doctoral fellows felt they were inadequately trained in clinical trial design (70%), data management (70%), the ethics of human experimentation (69%), and biostatistics (83%). At that time, almost half of the responding post-doctoral fellows expressed an interest in a structured training program in clinical investigation. Discussions on meeting this need ensued at the department and SOM levels and eventually enlarged to include the BSPH. At the same time, concerns about the adverse trends for clinical investigation and the inadequate supply of qualified clinical investigators were expressed at the national level. Johns Hopkins' response to these local and national needs was the creation of GTPCI in 1992, which admitted its first students in 1993.

GTPCI offers **FOUR ACADEMIC PATHWAYS**: General Clinical Investigation (including clinical trials), Disease Oriented Studies, Data Science (including machine learning and artificial intelligence), and Health Services Research. The field of clinical investigation has expanded since GTPCI began in 1993, so the goal of these pathways is to allow students more flexibility to choose coursework relevant to their academic interests. For curriculum details of pathway-specific courses, please email BSPH.gtpci@jhu.edu.

PhD and MHS Degree Programs

- Clinical Investigation, MHS (<https://e-catalogue.jhu.edu/public-health/departments/graduate-training-clinical-investigation/graduate-training-clinical-investigation-mhs/>)
- Clinical Investigation, PhD (<https://e-catalogue.jhu.edu/public-health/departments/graduate-training-clinical-investigation/graduate-training-clinical-investigation-phd/>)
- Clinical Investigation, ScM (<https://e-catalogue.jhu.edu/public-health/departments/graduate-training-clinical-investigation/graduate-training-programs-clinical-investigation-scm/>)