

PMGCG 807 : Genetic Technologies for the Treatment of Disease

This course explores methods available for manipulation of genomes to treat genetic diseases or to prevent the development of diseases. It addresses the various techniques for conducting gene therapy and editing, and the mechanisms by which they work. Students examine the health risks and ethical issues associated with these technologies. Upon successful completion of this course, students will demonstrate knowledge of the current technologies used for modifications of the genome, and be able to describe both the benefits and the intended and unintended consequences of these technologies.

College

Post Graduate Certificate in Precision Medicine

Credits 1.0**Prerequisites**

PMGCG 501: Introduction to Genetics and Genomics

PHIDG 1502: Integrated Sequence 2