

PMGCG 802 : The Application of Precision Medicine to Neurological Diseases

This course examines the genetic underpinnings of common neurological disorders, neurogenetic disorders, and neurodegenerative diseases. Students study how genomics can be used to identify genes that are directly involved in neurological disorders or that confer significant risk of developing a disorder. Students discuss how that information is used for diagnosis, prognosis, and development of novel therapeutics. Upon successful completion of the course, students will be able to explain the role that gene variants and mutations play in the development of neurological diseases and describe how that information can be used to support effective patient treatment and care.

College

Post Graduate Certificate in Precision Medicine

Credits 1.0

Prerequisites

PMGCG 501: Introduction to Genetics and Genomics

PHIDG 1502: Integrated Sequence 2