

PMGCG 502 : Genomics of Rare and Complex Diseases

This course explores the genetic underpinnings of both monogenic and complex diseases. Dominant versus recessive autosomal diseases as well as X-linked, mitochondrial and cytogenetic diseases are covered. Evolutionary and population genetics are discussed, and methods for studying complex diseases are introduced. Students completing this course will demonstrate a working knowledge of the genetics of monogenic and complex diseases, and an understanding of the relevant analytical methods.

College

Post Graduate Certificate in Precision Medicine

Credits 3.0**Prerequisites**

PMGCG 501: Introduction to Genetics and Genomics