

GENE-412: Mutation in Human Gene

This course is structured for research ideas and current advances in genetic and biochemical alterations as a tool for clinical and translation research. This entails an integration of current events and data into the learning modality that utilizes current peer reviewed journal articles. This course focuses on using the substantial array of literature and bioinformatics to develop skills for analyzing data and addressing concepts of interpretation of data. Current peer reviewed publications are the materials used to generate an active learning education that supports group teaching, individual communication, and development of analytic skills. Course format is seminar based where students will present a 2-3 page written summary on the topic covering the molecular lesion, biochemical pathology, and a specific clinical disease associated with the genetic mutation of topic.

Credits: 3

Program: Genetics