
Code	BENG542
Name	Molecular Basis of Disease
Hour per week	3 (3 + 0)
Credit	3
ECTS	10
Level/Year	Graduate / Anytime
Semester	Fall
Type	Elective
Prerequisites	Genetics
Content	The main aim of this course is to provide an insight into the molecular mechanisms underlying human disease processes and help the development of targeted therapies and drugs. This graduate level class will provide an opportunity for students to learn genetics and biochemical processes leading to a range of diseases including neurodegenerative diseases like Alzheimer's and Parkinson's diseases; complex diseases like diabetes and atherosclerosis; lysosomal diseases caused by enzyme deficiency; mitochondrial diseases, muscle diseases and autoimmune diseases.
