

Course name: Molecular biology with elements of molecular diagnostics (USOS Code: B-BM.BA.064Eng)

ECTS: 5

No. of hours: 60 (30 lectures + 30 classes)

Course coordinator: Prof. dr hab. Marek Tchórzewski

Prerequisites: Completed course in Biochemistry

Course description: DNA, RNA and protein structure and function; central dogma of molecular biology; genome organization; genetic code, gene expression; tools for analysing gene expression; role of molecular biology in medical practice.

Recommended literature: Allison L.A. - Fundamental Molecular Biology, 2nd edition (2011); Alberts B. et al. - Molecular biology of the cell, 6th edition (2015); Brown T.A. - Genomes, 4th edition (2017); Patrinos G., Ansorge W., Danielson P.B. (eds) - Molecular diagnostics (2016).