

**SCHEDULE** for the core course in the field of Biochemistry and Molecular Biology

2023/24: Selected advanced topics in Biochemistry and Molecular Biology

**MODULE 1: Selected biochemical processes with regulatory mechanisms****Coordinator: Prof. Dr. Vita Dolžan ([vita.dolzan@mf.uni-lj.si](mailto:vita.dolzan@mf.uni-lj.si))**

Date	Hours	Lecturers	Topics	Format	Location*
21.11. 2023 To	16h–19h	V. Dolžan K.Sepčič	Presentation of the module Structure and function of biological membranes. Membrane phase systems. Lipid domains.	Lectures	
23.11.2023 Če	14h–19h	S.Passamonti  V. Dolžan  K.Sepčič	Biochemistry of reactive oxygen species Genetics and epigenetics of xenobiotic metabolism Protein-membrane interactions.	Lectures	
28.11. 2023 To	16h–19h	M. Lenassi  S. Pirkmajer	Mechanisms of signal transmission Mechanisms of regulation of biological processes	Lectures	
30.11.2023 Če	14h–19h	P. Dovč	Biogenesis of mitochondria Energy metabolism Interactions between nuclear and organelle genomes	Lectures	
5.12.2023 To	16h–19h	P. Dovč K.Sepčič	Consultations on seminar topics	Consultations	
7.12.2023 Če	14h–19h	V. Dolžan M. Lenassi S. Pirkmajer	Consultations on seminar topics	Consultations	
12.12.2023 To	16h–19h	M. Lenassi S. Pirkmajer K.Sepčič	Mechanisms of signal transmission Mechanisms of regulation of biological processes	Seminars	
14.12.2023 Če	14h–19h	K.Sepčič M. Lenassi S.Pirkmajer	Structure and function of biological membranes. Membrane phase systems. Lipid domains. Protein-membrane interactions.	Seminars	
19.12.2023 To	16h–19h	V. Dolžan P. Dovč	Biochemistry of reactive oxygen species Genetics and epigenetics of xenobiotic metabolism	Seminars	
21.12.2023 Če	14h–19h	P. Dovč V. Dolžan	Biogenesis of mitochondria Energy metabolism Interactions between nuclear and organelle genomes	Seminars	

Zaradi tujih študentov bo pouk potekal v angleščini / Classes will be held in English due to foreign students

\* - Lokacijo izvedbe bomo sporočili konec oktobra 2023- The location of the classes will be announced in the end of October 2023