

Subject card

Subject name and code	Seminar I - Experimental publications in molecular biology and biotechnology , PG_00153612						
Field of study	Seminarium I - publikacje doświadczalne w biologii molekularnej i biotechnologii						
Date of commencement of studies	October 2025		Academic year of realisation of subject			2025/2026	
Education level	Master's studies		Subject group			Obligatory subject group in the field of study Optional subject group	
Mode of study	full-time studies		Mode of delivery			at the university	
Year of study	1		Language of instruction			Polish	
Semester of study	1		ECTS credits			3.0	
Learning profile	academic		Assessment form			credit	
Conducting unit	Intercollegiate Faculty of Biotechnology UG-MUG -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Andrea Lipińska				
	Teachers		dr hab. Joanna Nakonieczna prof. dr hab. Igor Konieczny dr hab. Adam Iwanicki dr hab. Magdalena Weidner-Glunde				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		5.0		40.0	75
Subject objectives	The student will acquire knowledge of current scientific problems and the importance of these issues in biotechnology. The student is to be able to speak and read with understanding the literature on the issues discussed and to prepare an oral and multimedia presentation on these issues. Master the use of scientific language, including specialised terminology and conceptual apparatus appropriate to the issues discussed.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOTECHMU2_U04] The graduate is able to use scientific information fluently, including English-language information on biotechnology; analyse and select information critically; use electronic sources; use appropriate databases	Is proficient in the use of scientific information, including English-language information on biotechnology; critically analyses and selects information; uses electronic sources; has the ability to use appropriate databases	[SU2] prezentacja/projekt/referat/ raport
	[BIOTECHMU2_U07] The graduate is able to prepare and present in Polish and/or English an oral presentation covering detailed issues in the field of biotechnology using scientific language, including specialist terminology and conceptual apparatus; conduct discussions	Be able to prepare and present an oral presentation in Polish and/or English covering specific topics in biotechnology using scientific language including specialised terminology and terminology; has the ability to hold a discussion.	[SU1] wypowiedź ustna/rozmowa/ dyskusja [SU2] prezentacja/projekt/referat/ raport
	[BIOTECHMU2_U06] The graduate is able to prepare, in a targeted manner in Polish and / or English, a written study, a scientific publication in the field of biotechnology using scientific language, including specialist terminology and conceptual apparatus	Can prepare in a targeted manner, in Polish and/or English, a written scientific publication on biotechnology using scientific language including specialised terminology and terminology.	[SU3] opracowanie tekstowe/ praca pisemna
	[BIOTECHMU2_U05] The graduate is able to use English language in the scope enabling the understanding of statements and reading with comprehension of literature and scientific studies in the fields of science and scientific disciplines relevant to biotechnology; is able to prepare a short written study and an oral presentation in English	Has sufficient command of the English language to be able to understand and read with comprehension the literature and scientific papers in the fields of science and disciplines relevant to biotechnology; is able to prepare a short written paper and an oral presentation in English	[SU2] prezentacja/projekt/referat/ raport
Subject contents	During the first course, students will learn about the principles of publishing scientific research results in scientific journals with particular emphasis on the so-called Philadelphia list and methods of ranking journals. Knowledge of the characteristics and diversity of scientific journals will be broadened by the students' independent search for information on a selected journal and preparation of a short multimedia presentation. The content of the program depends on the specific scientific interests and research carried out by individual teacher. Depending on the group selection, the program covers issues related to nucleic acid metabolism, proteolysis and biology of extra-chromosomal genetic elements, functional genomics, modern methods of mapping genes underlying functional traits and human diseases, issues related to medical biotechnology, with particular emphasis on immunization processes, host-pathogen interactions of microorganisms and molecular and cell biology of cancer, and other issues described in current experimental scientific papers.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Activity in class	0.0%	20.0%
	Presentation	0.0%	80.0%
Recommended reading	Basic literature	A set of sample publications in English in the form of PDF files for students participating in the seminar, as well as literature in Polish and English selected from electronic and library resources studied independently by the student, including experimental publications covering the results of the faculty members' own research	
	Supplementary literature	None	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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