

<b>Title</b>	Molecular genetics		
<b>Code</b>	3GN18NAK09M		
<b>Prerequisites</b>			
<b>Description</b>	<p>The primary goal of the course is to significantly expand the basic molecular biology knowledge acquired in basic education and the classical genetics course. The knowledge gained in the subject is an indispensable pre-study for the acquisition of biotechnology techniques. The subject focuses on the steps and techniques of knowledge and research of DNA and RNA, the organization and manifestation of the genome in different types of organisms, with a special focus on regulatory and signaling mechanisms. During the semester, the students will also get acquainted with the basic questions of development genetics.</p>		
<b>Lecturer</b>	Dr. Attila Hegedűs, Dr. Júlia Halász, Dr. Zsuzsanna György		
<b>Semester</b>	1st, fall	<b>Contact hours/week</b>	1+3
<b>Level</b>	MSc	<b>ECTS</b>	4
<b>Teaching and Learning Methods:</b>			
<b>Reading:</b>	<p><b>Compulsory literature:</b></p> <p>Patthy, L.: Protein evolution (Chapter 1). Blackwell. ISBN 978-1-4051-5166-5</p>		
<b>Assessment:</b>	exam		