

**Thematic plan of independent study  
in discipline «Molecular biology»  
for students of 2024 year of admission  
under the educational programme  
cipher 35.05.01 Pharmacy,  
specialisation (profile) Pharmacy  
(Specialist's degree),  
form of study full-time  
for the 2025-2026 academic year**

<b>№</b>	<b>Topic of independent study</b>	<b>Hours (academic)</b>
<b>Semester 3</b>		
1.	Genes rearrangement. Molecular genetic mechanisms of tumor transformation of cells and metastasis	12
	Checking of papers	2
<b>Semester 4</b>		
2.	Evolution of the eukaryotic genome. The Role of Duplications, Inversions, Translocations, and Deletions in the Evolution of the Genome	21
	Checking of papers	2
	Independent study. Total	33
	Checking of papers. Total	4

Considered at the department of Fundamental Medicine and Biology meeting, protocol of «22» May 2025. № 10

Head of the Department



A.V. Strygin