



# DEPARTMENT OF BIOCHEMISTRY



**PAATA TUSHURASHVILI**  
**PROFESSOR, HEAD OF DEPARTMENT**

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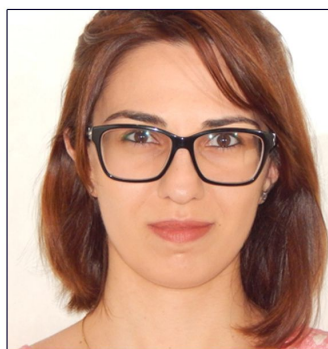


# DEPARTMENT OF BIOCHEMISTRY



**NATELA JAKHUTASHVILI**  
**ASSISTANT-PROFESSOR**

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**ELENE TSITSILASHVILI**  
**ASSISTANT-PROFESSOR**

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## DEPARTMENT OF BIOCHEMISTRY



Department of Biochemistry was created in 1919, under the title of “Cathedra of Physiological Chemistry”. The first chief of the cathedra was Prof. A. Mallenyuk. In 1921-1927 the cathedra was headed by Petre Melikishvili, and in 1927-1931 – by Prof. Iovel Kutateladze. In 1930 the cathedra was renamed as “Cathedra of Biological Chemistry” and in 1944 – as the “Cathedra of Medical Chemistry”. The cathedra was headed by: Doctor of Medical Sciences, Vasil Varazi (1931-1969), Prof. Elene Kutateladze (1969-1985), Prof. Leila Tkeshelashvili (1985-1995), Prof. Eka Rapava (1995-2006). Since 2006 and till present the department has been headed by Prof. Paata Tushurashvili.

The course of Biochemistry is delivered at the department, which is designed for the students of the faculties of Pharmacy, Medicine, Public Health and Stomatology. Specificity of each faculty, also the common thematics (the principles of metabolic pathway organization and regulations) are implicated in the study course.

The course of Biochemistry is based on the textbook by T. Devline – “Biochemistry with Clinical Correlations”, which was translated by active engagement of department staff.

The scientific activity of the department covers the field of homeostasis and participation of metal elements in body protective systems, also, creation of the gut physiological model, which will enable the study of in vivo processes in real occasions; the use of modern LIFE (Laser Induced Fluorescence) technologies enables the study of structural changes on the cell membrane during transportation process, determining the in vivo concentrations of definite metabolites and enzyme activity, study of protein complex formation and disruption, drug metabolism and mechanisms of acting etc.