

In the effect of this project I will create new, modified, very bacteriolytic proteins for medical use. Endolysins Cpl-1 I Pal are very deadly for bacteria responsible for big part of lower respiratory tract infections, which are one of the most common causes of death and the most deadly communicable disease in the whole world.

I research factors influencing lowering the activity of such proteins in blood and I am going to create their modified versions. Then I am going to test their activity for medical use.

Possibilities of protein modifications are vast, but unfortunately not much is known about impact of small modifications on features of the protein. During my work I will bring closer the future, where modification of proteins will be easy, cheap, safe and effective.