

Department of Medical Chemistry
Topic list (2022 /2023):

Supervisor	Topic
Dr. Gábor Tóth full professor	Posttranslational modification of natural peptides by chemical methods
Dr. Gábor Tóth, full professor Dr. Zsolt Bozsó, assistant professor	Synthesis of peptide toxins with multiple disulfide bridges
Dr. Györgyi Váradi, associate professor	Synthesis and examination of multiple disulfide bond-containing antifungal peptides and proteins
Dr. Györgyi Váradi, associate professor	Investigation of structure-activity relationships of antifungal proteins
Dr. Lajos Kovács senior research fellow	Synthesis of nucleosides
Dr. Zoltán Kupihár, assistant professor	Synthesis of modified nucleosides
Dr. Lajos Kovács, senior research fellow	Synthesis and investigation of highly-ordered, guanine-containing structures
Dr. Zoltán Kele, associate professor	Investigation of peptides and proteins by mass spectrometry
Dr. Zoltán Szabó, assistant professor	Identification of protein biomarkers using the methods of proteomics
Dr. Zoltán Szabó, assistant professor	Development of liquid chromatography and mass spectrometry methods for quantitative determination of proteins
Dr. Anasztázia Hetényi, associate professor	Antibiotic adjuvants: mechanism of action and development
Dr. Tamás Martinek, full professor, head of department	Development of novel antimicrobial strategies and potential therapeutics
Dr. Tamás Martinek, full professor, head of department	Blocking of protein-protein interactions, development of novel potential drug molecules
Dr. Tamás Martinek, full professor, head of department	Cell delivery of therapeutic macromolecules