

Department of Medical Chemistry
Topic list (2021 /2022):

Supervisor	Topic
Dr. Gábor Tóth	Posttranslational modification of natural peptides by chemical methods
Dr. Gábor Tóth. Dr. Zsolt Bozsó	Synthesis of peptide toxins with multiple disulphide bridges
Dr. Gábor Tóth, Dr. János Szolomájer	Synthesis of antimicrobial peptides and peptide analogs.
Dr. Gábor Tóth	Synthesis and structural study of conformationally restricted peptides.
Dr. Györgyi Váradi	Synthesis and examination of multiple disulfide bond-containing antifungal peptides
Dr. Györgyi Váradi	Investigation of structure-activity relationships of antifungal peptides
Dr. Györgyi Váradi, Dr. János Szolomájer	Application of native chemical ligation for the synthesis of polypeptides and proteins
Dr. Tamás Janáky	Quantitative proteomic studies of ABC transporters
Dr. Lajos Kovács	Synthesis of nucleosides
Dr. Lajos Kovács	Synthesis and investigation of highly ordered, guanine-containing structures
Dr. Zoltán Kele	Investigation of peptides and proteins by mass spectrometry
Dr. Zoltán Szabó	Identification of protein biomarkers using the methods of proteomics
Dr. Zoltán Szabó	Development of liquid chromatography and mass spectrometry methods for quantitative determination of proteins
Dr. Anasztázia Hetényi	Antibiotic adjuvants: mechanism of action and development
Dr. Tamás Martinek	Development of novel antimicrobial strategies and potential therapeutics
Dr. Tamás Martinek	Blocking of protein-protein interactions, development of novel potential drug molecules
Dr. Tamás Martinek	Cell delivery of therapeutic macromolecules