

Albert Szent-Györgyi Medical School

Department of Medical Microbiology

Topic list

Supervisor	Topic
Dr. Marianna Ábrók PhD Assistant professor	Clinical microbiological analysis of infections caused by beta-hemolytic streptococci
	Application of MALDI-TOF mass spectrometry in different areas of clinical microbiological diagnostics
	Diagnostics and epidemiology of urogenital infections
Prof. Dr. Katalin Burián PhD, DsC Head of the department	Innate immune response induced by <i>Chlamydia pneumoniae</i> infection in mouse model
	Transcription analysis in cells coinfecting with <i>Chlamydia trachomatis</i> and Herpes simplex virus 1
Dr. Klára Megyeri PhD Associate professor	Mechanism and pathogenetic role of cytopathogenicity evoked by RV
	The cytopathogenic mechanisms of HSV-1 and HSV-2 and their role in the pathogenesis of infections
	The autophagy modulating effect of infectious agents
Dr. Tímea Mosolygó PhD Assistant professor	Investigation of novel antimicrobial agents
Dr. László Orosz MD, PhD clinical specialist	Changes in the occurrence and resistance pattern of <i>Corynebacterium striatum</i> between 2010 and 2020 in the Clinical Center of University of Szeged, Hungary
	Investigation of the possible causes of intestinal carriage of vancomycin-resistant <i>Enterococcus faecium</i> and the dynamics of antimicrobial resistance using various methods
	The impact of the COVID-19 pandemic on the spread of pathogens and antimicrobial resistance at the Clinical Center of the University of Szeged
	Changes in the occurrence and resistance patterns of <i>Acinetobacter baumannii</i> between 2002 and 2024 in the material of the Clinical Center of the University of Szeged, with special focus on the COVID-19 pandemic period

Dr. Gabriella Pappné Terhes PhD Assistant professor	Study of antibacterial activity of Hungarian honeys
Dr. Dóra Paróczai PhD Assistant professor	Investigation of infectious and immunological lung diseases by flow cytometry
Dr. Sárvári Károly Péter MD, PhD Assistant professor	Anaerob baktériumok antibiotikum érzékenységi vizsgálata
Dr. József Sóki PhD Senior scientific research fellow	Antibiotic resistance mechanisms of <i>Bacteroides</i> species – tetracyclines and tigecycline
	Complex approach to reveal the roles of the plasmids of <i>Bacteroides</i> species
Dr. Ferenc Somogyvári PhD Associate professor	Diagnosis of sepsis
	Genetics of multifactorial diseases
	Effect of electromagnetic radiation on microbes
Dr. Gabriella Spengler PhD Assistant professor	Antibacterial and anticancer activity of redox-active selenocompounds
Dr. Anita Varga-Bogdanov PhD Assistant professor	Effect of antimicrobial agents on herpes viruses and chlamydia species.