Department of Medical Microbiology

TOPICS FOR THE SCIENTIFIC CIRCLE (TDK) / Academic Year 2022/2023

Dr. Marianna Ábrók PhD
Assistant professor

Clinical microbiological analysis of infections caused by beta-hemolytic streptococci

Prof. Dr. Katalin Burián PhD
Head of the department

Innate immune response induced by *Chlamydia pneumoniae* infection in mouse model

Transcription analysis in cells coinfected with *Chlamydia trachomatis* and Herpes simplex virus 1

Dr. Valéria Endrész PhD
Senior research fellow

Chlamydia pneumoniae infection in different host cell types

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

Dr. László Orosz MD, PhD
clinical specialist

Changes in the occurence and resistance pattern of *Corynebacterium striatum* between 2010 and 2020 in the Clinical Center of University of Szeged, Hungary

Dr. Dóra Paróczai PhD
Assistant research fellow

Investigation of infectious and immunological lung diseases by flow cytometry

Dr. Sárvári Károly Péter MD, PhD
Assistant professor

Antibiotic susceptibility of anaerobic bacteria

Dr. József Sóki PhD
Assistant professor

Molecular examination of the carbapenem resistance mechanisms of anaerobe pathogenic bacteria

Antibiotic resistance mechanisms of *Bacteroides* species - β-lactam/β-lactamase inhibitor combinations

Antibiotic resistance mechanisms of *Bacteroides* species – tetracyclines and tigecycline

Complex approach to reveal the roles of the plasmids of *Bacteroides* 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. Gabriella Pappné Terhes PhD
Assistant professor

Study of antibacterial activity of Hungarian honeys

Dr. Dezső Virok PhD
Associate professor

Screening of novel anti-chlamydial agents by quantitative PCR technique

Role of innate immunity in the pathogenesis of *Chlamydia trachomatis* infections