

GENERAL AND ORAL MICROBIOLOGY**Institute of Medical Microbiology**(Program Director: **Dr. Dóra Szabó** director, M.D., Ph.D., D.Sc.)(Tutor: **Dr. Agoston Ghidan**, Ph.D.)**2020-2021. Fall semester, NET Green Lecture Hall, TIME: Monday 9.50–11.30**

Week	Lectures (2 hours per week)	Lecturers	Substitution
1. 07. Sept.	Introduction to microbiology. General bacteriology (morphology, physiology and cultivation of bacteria) Bacterial genetics.	Dr. Szabó D.	Dr. Ghidán Á.
2. 14. Sept.	Infections and diseases (pathogenesis of bacterial infection, virulence, importance of biofilm formation). Specific and non-specific host defences. Active and passive immunization.	Dr. Ghidán Á.	Dr. Dobay O.
3. 21. Sept.	Antibacterial chemotherapy (mode of actions, resistance, side effects).	Dr. Dobay O.	Dr. Ghidán Á.
4. 28. Sept.	Gram-positive facultative and obligate anaerobic cocci (<i>Staphylococci, Streptococci, Peptostreptococci</i>). Gram-negative facultative anaerobic, microaerophilic and obligate anaerobic cocci (<i>Neisseria, Moraxella, Veillonella</i>)	Dr. Dobay O.	Dr. Ghidán Á.
5. 05. Oct.	Gram-negative coccobacilli (<i>Haemophilus, Bordetella, Legionella</i>). Gram-positive aerobic rod (<i>Corynebacterium</i>) Gram-negative facultative anaerobic rods (<i>Enterobacteriaceae</i>)	Dr. Ghidán Á.	Dr. Dobay O.
6. 12. Oct.	Gram-positive spore-forming rods (<i>Bacillus, Clostridia</i>). Gram-positive anaerobic rods (<i>Actinomyces, Bifidobacterium, Lactobacillus, Propionibacterium</i>). Gram-negative anaerobic rods (<i>Bacteroides, Prevotella, Porphyromonas, Fusobacterium, Leptotrichia</i>).	Dr. Ghidán Á.	Dr. Dobay O.

7. 19. Oct.	Mycobacteria. Rickettsia, Chlamydia. Mycoplasma.Spirochetes (<i>Borrelia, Leptospira, Treponema</i>).	Dr. Dobay O.	Dr. Ghidán Á.
8. 26. Oct.	Medical importance of fungi (general mycology, chemotherapy of fungal infections).	Dr. Ghidán Á.	Dr. Dobay O.
9. 02. Nov.	Normal oral flora. Oral ecosystem and dental plaque. Microbiology of dental caries, periodontal diseases. Dentoalveolar infections. Candidiasis of oral cavity.	Dr. Herczegh A.	Dr. Ghidán Á.
10. 09. Nov.	General properties of viruses. Antiviral chemotherapy. Poxviruses.	Dr. Dobay O.	
11. 16. Nov.	Hepatitis viruses (Hepatitis viruses A-E). Retroviruses (AIDS). Viruses and cancer.	Prof. Nagy K.	Dr. Ghidán Á.
12. 23. Nov.	Important respiratory pathogenic viruses (Adeno-, Influenza-, Parainfluenza viruses). Important enterally transmitted viruses (Calici- and Picornaviruses)	Dr. Ghidán Á.	
13. 30. Nov.	Arbo- and robovirus infection. Rabies. Slow viruses. Viral infections involving the oral, perioral tissues and salivary glands (Herpesviruses, Coxsackie-, mumps- and morbilliviruses).	Dr. Ghidán Á.	
14. 07. Dec.	Protozoa (general characterization and the most important human pathogenic protozoa: <i>Entamoeba, Trichomonas, Malaria, Toxoplasma</i>). Helminths (general characterization and the most important human worms: <i>Fasciola, Taenia, Enterobius, Ascaris, Trichinella</i>).	Dr. Ghidán Á.	Dr. Dobay O.