



SEMMELWEIS EGYETEM

Orvosi Mikrobiológiai Intézet

egyetemi tanár, igazgató

DR. SZABÓ DÓRA

Announced topics for Diplomawork (Thesis) (Academic year 2023/24)

- **Acute hepatitis of unknown origin in children**
Supervisor: Dr. Orsolya Dobay
- **Antiviral therapy of Human Herpesviruses**
Supervisor: Dr.Ágoston Ghidán
- **Bacterial and fungal eye infections**
Supervisor: Dr.Orsolya Dobay
- **Bacterial infections after burn injuries**
Supervisor: Dr.Ágoston Ghidán
- ***Bacteroides fragilis*-derived toxin - Fragilysin**
Supervisor: Dr.Ágoston Ghidán
- **Blood transfusion transmitted viral hepatitis: pathogenesis, diagnostics, treatment**
Supervisor: Dr. Béla Kocsis
- ***Bordetella pertussis* in the 21st century**
Supervisor: Dr.Andrea Horváth
- **Carcinogenic microbiome of oral cavity**
Supervisor: Dr.Ágoston Ghidán
- **Challenges in multidrug-resistant *Mycobacterium tuberculosis* infection**
Supervisor: Dr. Béla Kocsis

- **Congenital infections**
Supervisor: **Dr.Orsolya Dobay**
- **COVID-19 and cardiovascular diseases**
Supervisor: **Dr.Ágoston Ghidán**
- **Dynamics of antibiotic resistance in South Korea, Japan, Italy and Hungary with special focus on *Klebsiella pneumoniae*, *Escherichia coli*, *Pseudomonas aeruginosa* and *Staphylococcus aureus***
Supervisor: **Dr. Béla Kocsis**
- ***Enterobacter cloacae* wound infection**
Supervisor: **Dr.Ágoston Ghidán**
- **HACEK-group. What can be done to improve diagnostics and treatment of infective endocarditis?**
Supervisor: **Dr.Árpád Lászó Bartha**
- **Helminthic eye infections**
Supervisor: **Dr.Ágoston Ghidán**
- **Hemolytic Uremic Syndrome**
Supervisor: **Dr.Ágoston Ghidán**
- **Importance of *Escherichia coli* in urinary tract infection**
Supervisor: **Dr.Andrea Horváth**
- **Importance of Multisystem Inflammatory Syndrome in children**
Supervisor: **Dr.Andrea Horváth**
- **Infections after hematopoietic stem cell transplantation**
Supervisor: **Dr.Ágoston Ghidán**
- **Infectious diseases in Korean army**
Supervisor: **Dr.Ágoston Ghidán**
- **Influence of intestinal bacteria to obesity and diabetes**
Supervisor: **Dr. Béla Kocsis**

- **Microbiological background of infectious diarrhoea**
Supervisor: **Dr.Ágoston Ghidán**

- **Monkeypox**
Supervisor: **Dr.Orsolya Dobay**

- **New diagnosis and treatment of *Mycobacterium tuberculosis***
Supervisor: **Dr.Ágoston Ghidán**

- **Parvovirus B19**
Supervisor: **Dr.Ágoston Ghidán**

- **Perinatal viral infections**
Supervisor: **Dr.Ágoston Ghidán**

- **Pneumonia in elderly**
Supervisor: **Dr.Ágoston Ghidán**

- **Post COVID-19 Syndrome**
Supervisor: **Dr. Ghidán Ágoston**

- **Prevention of periprosthetic joint infection**
Supervisor: **Dr.Andrea Horváth**

- **Resistance of *Acinetobacter baumannii***
Supervisor: **Dr.Ágoston Ghidán**

- **Rotavirus and its significance in newborns**
Supervisor: **Dr.Ágoston Ghidán**

- **Salmonellosis**
Supervisor: **Dr.Ágoston Ghidán**

- **Superantigens and related skin and soft tissue infections**
Supervisor: **Dr.Ágoston Ghidán**

- **The clinical role of gastrointestinal microbiota in Parkinson's Disease and fecal microbiota transplantation as a treatment option**
Supervisor: **Dr.Árpád Lászó Bartha**

- **The importance of bacterial vaginosis**
Supervisor: **Dr.Andrea Horváth**

- **The importance of pelvic inflammatory disease**
Supervisor: **Dr.Andrea Horváth**

- **The possible role of EBV infection in multiple sclerosis**
Supervisor: **Dr.Andrea Horváth**

- **The role of Gram-negative bacteria in postoperative infection after orthopedic surgery**
Supervisor: **Dr.Judit Sahin-Tóth**

- **The role of microbiota in the skin: psoriasis and atopic dermatitis**
Supervisor: **Dr.Ágoston Ghidán**

- **The significance of COVID-19 during pregnancy**
Supervisor: **Dr.Ágoston Ghidán**

- **Travel-related *Leishmania* and *Trypanosoma* infections in Norway**
Supervisor: **Dr.Andrea Horváth**

- ***Trichophyton rubrum*, a common fungal infection of skin**
Supervisor: **Dr.Ágoston Ghidán**

- **Viral myocarditis**
Supervisor: **Dr.Andrea Horváth**

- **Viral pneumonia and its diagnosis**
Supervisor: **Dr.Ágoston Ghidán**

- **Zoonotic bacteria influence on farm work in growing population**
Supervisor: **Dr.Ágoston Ghidán**