

Thesis Supervisor	Thesis Topic
Department of Anesthesiology and Intensive Therapy	
Dr. Boros Krisztina PhD, assistant professor	Changes in the sense of taste and chemosensation and their possible correlation with other symptoms in SARS-CoV-2 infection (analysis and interpretation of questionnaire data from the second wave of COVID-19)
Department of Anatomy, Histology and Embryology	
Dr. Csaba Szigeti M. Sc., Ph.D., Assistant Professor, Rebeka Kristóf M. Sc.	Analysis of IL-10 expression in injured motoneurons following ventral root avulsion
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor, Rebeka Kristóf M. Sc.	Investigation of inflammasome activation following ventral root avulsion injury
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor, Dr. Tamás Bellák M. Sc., Ph.D., Assistant Professor	Systemic application of anti-inflammatory cytokine encoding mRNAs delivered in lipid nanoparticles following spinal cord injury
Péter Sántha M.D. Ph.D., Associate Professor	Pain mechanisms: role of gangliosides in nociceptor function
Péter Sántha M.D. Ph.D., Associate Professor	Mechanisms of neuropathic pain: structural and other neuroplastic changes following peripheral nerve injuries
Department of Aviation and Space Medicine	
Prof. Dr. Andor Grósz, CSc. Professor	Aviators' visuomotor work abilities in hypobaric hypoxia.
Prof. Dr. Andor Grósz, CSc. Professor	Certain aspects of visual information processing during workload in aviators.
Department of Behavioural Science	
Prof. Dr. Pikó Bettina, professor Ph.D.	The role of body image in disordered eating
Prof. Dr. Pikó Bettina, professor Ph.D.	Stress, anxiety and psychological health
Prof. Dr. Pikó Bettina, professor Ph.D.	Dietary habits and health promotion
Dr. Molnár Éva, associate professor, PhD	Professional identity of foreign medical students
Dr. Molnár Éva, associate professor, PhD	Interpreting trauma in professional identity
Obál Annabella psychologist, Dr. Molnár Éva associate professor, PhD	Self-regulation and obesity
Dr. Tari Gergely, assistant professor, PhD	Qualitative text analysis of clinical ethical case descriptions of medical students
Dr. Tari Gergely, assistant professor, PhD	Ethical aspects of home birth
Dr. Kassai Szilvia, assistant professor, PhD, Dr. Kelemen Oguz, associate professor, PhD	Investigating mental illness and recovery using qualitative psychology
Dr. Kassai Szilvia, assistant professor, PhD	The impact of being raised by an addicted parent on adulthood
Dr. Kassai Szilvia, assistant professor, PhD	Implementation of the hospice approach in the Hungarian Health care system
Palatinus Kinga, psychologist	Resilience among university students
Palatinus Kinga, psychologist	Coping mechanisms of university students
Palatinus Kinga, psychologist	Burnout prevention among university students
Department of Cell Biology and Molecular Medicine	
Prof. Dr. Eszter Farkas	Neuroprotection in ischemic stroke: mechanisms and potential targets
Dr. Ádám Légrádi	The role of carbohydrate binding proteins in neuroinflammation
Dr. Ákos Menyhárt	The mechanisms of impaired post-ischemic reperfusion
Dr. Szilvia V. Kecskés	Cerebral blood flow responses in the ischemic and aging brain
Dr. Rita Frank	Brain edema models in live brain slice preparations
Department of Dermatology	
Balázs Bende MD (assistant lecturer)	Translational medicine in the clinical practice
Erika Gabriella Kis MD, PhD (associate professor)	Plastic surgery and evidence based medicine
Erika Gabriella Kis MD, PhD (associate professor)	Electrochemotherapy
Erika Varga MD, PhD (assistant professor)	Clinicopathology of skin symptoms caused by parasites
Erika Varga MD, PhD (assistant professor)	Clinicopathology and histological differential diagnosis of blue nevi and blue nevus-like skin tumors

Thesis topics for 4th year medical students
2023/2024

Thesis Supervisor	Thesis Topic
Győző Szolnok MD, PhD (associate professor)	The examination of lymphatic and venous insufficiencies and their cardiovascular influence
István Balázs Németh MD, PhD (assistant professor)	Clinicopathology of cutaneous melanoma
István Balázs Németh MD, PhD (assistant professor)	Clinicopathology of non melanoma skin cancer
Máté Manczinger MD, PhD (assistant professor)	Analysis of adaptive immune recognition in silico
János Varga MD, PhD (associate professor)	Surgical treatment of post-thrombotic ulcers
Ákos János Varga MD, PhD (assistant lecturer)	Oncoplastic breast surgery
Ákos János Varga MD, PhD (assistant lecturer)	Plastic surgery in massive weight loss (MWL) patients
Ákos János Varga MD, PhD (assistant lecturer)	Aesthetic surgery of the face
Zsuzsanna Bata MD, DSc (professor)	Severe drug reactions
Eszter Baltás MD, PhD (associate professor)	Immunotherapy in dermatooncology
Eszter Baltás MD, PhD (associate professor)	Immunotherapy in the treatment of melanoma
Eszter Baltás MD, PhD (associate professor)	Immunotherapy in the treatment of non melanoma skin cancer
Eszter Baltás MD, PhD (associate professor)	Immune-related adverse events
Eszter Baltás MD, PhD (associate professor)	Adverse events of target therapy in melanoma
Eszter Baltás MD, PhD (associate professor)	Malignant blue naevus
Eszter Baltás MD, PhD (associate professor)	Mucosal melanoma
Nóra Belső MD, PhD (assistant professor)	Biological therapies in atopic dermatitis
Nóra Belső MD, PhD (assistant professor)	Comparative analysis of the effectivity of JAK-inhibitors in atopic dermatitis
Nóra Belső MD, PhD (assistant professor)	Venom allergy: the role of specific IgE and IgG4 in the immunotherapy
Ildikó Csányi MD (assistant lecturer)	Experiences with immunotherapy among our dermato-oncological patients
Ildikó Csányi MD (assistant lecturer)	Development of prevention strategies for skin cancers
Zsanett Csoma MD, PhD (associate professor)	Atopic dermatitis in children
Zsanett Csoma MD, PhD (associate professor)	Alopecia areata in childhood: clinical symptoms, diagnosis and up-to-date therapy
Zsanett Csoma MD, PhD (associate professor)	Psychodermatology and paediatric dermatology
Zsanett Csoma MD, PhD (associate professor)	Acne and life quality
Dóníz Degovics MD, PhD (assistant lecturer)	Hidradenitis suppurativa
Magdolna Gaál MD, PhD (assistant professor)	Cytolytic vaginosis
Róbert Kui MD (chief clinical physician)	Evaluation of antibacterial activity of Leukocyte and Platelet Rich Fibrin (L-PRF)
Ádám Kocsis MD, PhD (assistant professor)	Breast reconstruction methods following mastectomy
Lilla Mihályi MD (chief clinical physician)	Gliptin-induced bullous pemphigoid
Géza Róbert Nagy MD, PhD (assistant lecturer)	Clinical features of cutaneous vasculitis

Thesis Supervisor	Thesis Topic
Department of Family Medicine	
Prof. Dr. Albert Varga, professor	The care of hypertonic disease patients in a family practice
Prof. Dr. Albert Varga, professor	The care of cardiovascular patients in the family practices
Prof. Dr. Albert Varga, professor	The diagnosis and treatment of pulmonary hypertension
Dr. Gergely Ágoston, assistant professor, head of the institute	Cardiological aspects of immunological diseases
Dr. Gergely Ágoston, assistant professor, head of the institute, Dr. Ildikó Ambrus, family medicine specialist	Relationship between sport and health
Dr. András Mohos, assistant lecturer, teaching family doctor - Tiszasziget	Lifestyle medicine in the family practice
Dr. András Mohos, assistant lecturer, teaching family doctor - Tiszasziget	Family medicine around the world. Provision of primary care in different countries
Dr. András Mohos, assistant lecturer, teaching family doctor - Tiszasziget	Research in family medicine. Trends and opportunities.
Dr. András Mohos, assistant lecturer, teaching family doctor - Tiszasziget	Doctor-patient communication and cooperation in the family practice
Dr. Zoltán Juhász – occupational health doctor	Occupational health aspects of workplace infection control
Dr. Zoltán Juhász – occupational health doctor	National and international regulation practice of vaccination
Dr. Blanka Morvai-Illés, assistant lecturer	Differential diagnosis of dyspnoea in the Primary Care setting
Dr. Tünde Vezér, occupational health doctor	Investigation of the factors shaping influenza vaccination of SZTE students before and after the COVID-19 epidemiological emergency
Dr. Tünde Vezér, occupational health doctor	Investigation of hepatitis B seroconversion among SZTE medical students
Dr. Róbert Kiss-Kovács, family medicine specialist	The use of Point-of-care ultrasound techniques in general practice
Department of Forensic Medicine	
Éva Sija Ph.D. (e-mail: sija.eva@med.u-szeged.hu), Katalin Kovács MD. (e-mail: kovacs.katalin@med.u-szeged.hu)	Illegal drug use
László Institoris Pharm.D. (e-mail: institoris.laszlo@med.u-szeged.hu)	Laboratory investigation of drug abuse
Éva Kereszty MD. PhD. (e-mail: kereszty.eva.margit@med.u-szeged.hu)	Drunk driving
Beáta Havasi MD. (e-mail: havasi.beata@med.u-szeged.hu)	Forensic psychiatry (<i>Criminal responsibility of the juvenile</i>)
Beáta Havasi MD. (e-mail: havasi.beata@med.u-szeged.hu), Éva Sija Ph.D. (e-mail: sija.eva@med.u-szeged.hu)	Thanatochemistry - <i>Postmortem detection of metabolic disorders</i>
Beáta Havasi MD. (e-mail: havasi.beata@med.u-szeged.hu), Éva Sija Ph.D. (e-mail: sija.eva@med.u-szeged.hu)	Thanatochemistry - <i>Estimation time of death</i>
Beáta Havasi MD. (e-mail: havasi.beata@med.u-szeged.hu), Éva Kereszty MD., PhD.	Evaluation of permanent disability
Beáta Havasi MD. (e-mail: havasi.beata@med.u-szeged.hu)	Fitness to work – health care professionals
Éva Kereszty MD., PhD. (e-mail: kereszty.eva.margit@med.u-szeged.hu)	Medical causes for compensation (medical experts' evaluation)
Beáta Havasi MD (e-mail: havasi.beata@med.u-szeged.hu)	Fitness to drive <i>Elderly drives / Young and novice drivers</i>
Éva Kereszty MD. PhD. (e-mail: kereszty.eva.margit@med.u-szeged.hu)	Problems of the health legislation
Éva Kereszty MD. PhD. (e-mail: kereszty.eva.margit@med.u-szeged.hu)	Criminalistics
Éva Kereszty MD. PhD. (e-mail: kereszty.eva.margit@med.u-szeged.hu)	Death detection in the clinical practice
Éva Kereszty MD. PhD.	Diffentiation of natural an unnatural death
Alíz Hernádi MD. (e-mail: hernadi.aliz@med.u-szeged.hu)	Sudden cardiac death
Árpád Szabó MD.	Identification
Árpád Szabó MD., Beáta Havasi MD. (e-mail: havasi.beata@med.u-szeged.hu)	Unnatural death – <i>Fire related deaths/Hypothermia</i>
Beáta Havasi MD (e-mail: havasi.beata@med.u-szeged.hu)	Unnatural death – <i>Death of a neonate/ Causes of death of youngsters</i>
Katalin Kovács MD. (e-mail: kovacs.katalin@med.u-szeged.hu)	Unnatural death – <i>Traffic accidents (cyclists, motorcyclists, car, passangers)</i>
Roland Weiczner MD., Ph.D. (e-mail: weiczner.roland@med.u-szeged.hu)	Unnatural death – <i>Household accidents</i>
Roland Weiczner MD.Ph.D. (e-mail: weiczner.roland@med.u-szeged.hu)	Forensic histopathology – <i>Dating of injuries</i>
Katalin Kovács MD. (e-mail: kovacs.katalin@med.u-szeged.hu), Éva Kereszty MD. PhD. (e-mail: kereszty.eva.margit@med.u-szeged.hu)	Death in prison, deaths of inmates
Roland Weiczner MD. Ph.D. (e-mail: weiczner.roland@med.u-szeged.hu)	Legal problems of compulsory vaccination
Roland Weiczner MD. Ph.D. (e-mail: weiczner.roland@med.u-szeged.hu)	Forensic aspects of Covid panedemia

Thesis Supervisor	Thesis Topic
Éva Kereszty MD, PhD. (e-mail: kereszty.eva.margit@med.u-szeged.hu), Máté Julesz Jur.D., Ph.D. (e-mail: julesz.mate@med.u-szeged.hu)	Medical law (e.g. informed consent, assisted suicide, malpractice)
Éva Kereszty MD, PhD (e-mail: kereszty.eva.margit@med.u-szeged.hu)	Forensic points of aging- <i>Deaths of aged</i>
Olga Nagy Ph.D. (e-mail: nagy.olga.maria@med.u-szeged.hu)	Investigation of degradation of forensic DNA samples
Department of Immunology	
Dr. Krisztina Buzás Dr. Körmöndiné, habil., associate professor, Head of the Department	The role of extracellular vesicles in the diagnosis of tumors
Dr. Ágnes Czibula, PhD, scientific associate	MicroRNA regulation in autoimmune diseases
Dr. Roberta Fajka-Boja, PhD, scientific associate	The role of ADP ribosylation in DNA repair and cell aging
Department of Internal Medicine, South Clinical Divison	
Dr. Timea Pálfi Gurbity MD., Ph.D. email: gurbity.palfi.timea@med.u-szeged.hu	Systemic treatment of cutaneous T-cell lymphoma patients
Dr. Timea Pálfi Gurbity MD., Ph.D. email: gurbity.palfi.timea@med.u-szeged.hu	Clinical and pathological features of LGL leukemia
Prof. Tamás Forster MD, PhD email: forster.tamas@med.u-szeged.hu	Metabolic alterations in patients with acute coronary intervention
Dr. Tamás Szili-Török, MD, PhD, habil. email: szili-torok.tamas@med.u-szeged.hu	Global chamber mapping in the diagnosis and treatment of complex atrial arrhythmias
Dr. Tamás Szili-Török, MD, PhD, habil. email: szili-torok.tamas@med.u-szeged.hu	Cutting edge approaches to treat ventricular tachycardias
Dr. Szabolcs Modok, MD, PhD email: modok.szabolcs@med.u-szeged.hu	Current therapy of mantle cell lymphoma
Dr. Szabolcs Modok, MD, PhD email: modok.szabolcs@med.u-szeged.hu	Genetics and classification of multiple myeloma
Dr. Szabolcs Modok, MD, PhD email: modok.szabolcs@med.u-szeged.hu, Dr. Kristóf Dani, MD, email: dani.kristof@med.u-szeged.hu	Evolving low dose chemo- and targeted therapies in acute myeloid leukemia.
Prof. Róbert Sepp MD, PhD email: sepp.robort@med.u-szeged.hu	Genotype-phenotype correlations in hypertrophic cardiomyopathy
Prof. Róbert Sepp MD, PhD email: sepp.robort@med.u-szeged.hu	Molecular genetics of long-QT syndrome
András Farkas MD, PhD email: farkas.andras@med.u-szeged.hu	Clinical examination of the relationship between diabetes mellitus and heart diseases
András Farkas MD, PhD email: farkas.andras@med.u-szeged.hu	Screening and treatment of cardiovascular risk factors in cardiology patients
Prof. Attila Nemes MD, PhD email: nemes.attila@med.u-szeged.hu	The role of 3-dimensional speckle-tracking echocardiography in clinical decision making.
Dr. Klára Piukovics MD, PhD email: piukovics.klara@med.u-szeged.hu	Infectious complications following autologous stem cell transplantation
Dr. Miklós Bitay MD, PhD, habil, e-mail: bitay.miklos@med.u-szeged.hu	Off-pump total arterial revascularisation with bilateral intenal thoracic arteries.
Dr. Miklós Bitay MD, PhD, habil, e-mail: bitay.miklos@med.u-szeged.hu	Minimally invasive heart valve surgery.
Department of Internal Medicine, West Clinical Divison	
Prof. Dr. Czákó László DSc, professor	Endoscopic retrograde cholangio-pancreatography (ERCP).
Prof. Dr. Czákó László DSc, professor	Diagnostic and therapeutic endoscopic ultrasonography.
Prof. Dr. Czákó László DSc, professor	Quality control in endoscopy.
Prof. Dr. Czákó László DSc, professor	Microbiome in gastrointestinal disorders.
Prof. Dr. Czákó László DSc, professor	GIST in Hungary.
Prof. Dr. Czákó László DSc, professor	Endoscopic therapy of complications in acute pancreatitis.
Prof. Dr. Czákó László DSc, professor, Dr. Terzin Viktória, teaching assistant	Autoimmune pancreatitis in infant patients with inflammatory bowel disease.
Dr. Lengyel Csaba, lecturer, Dr. Vágvölgyi Anna PhD, associate professor	Evaluation of short term QT variability in different manifestations of clinical disorders.
Dr. Róka Richárd, associate professor, Dr. Inczefi Orsolya, PhD, associate professor	Novel pathophysiological factors in irritable bowel syndrome.
Dr. Vámos Máté, associate professor, Dr. Vágvölgyi Anna PhD, associate professor	Epidemiology of eosinophilic oesophageal inflammation in Hungary.
Dr. habil. Szepes Zoltán, associate professor, Dr. Bor Renáta PhD, assistant professor	Palliative esophageal self-expandable metal stent (SEMS) placement in the management of tracheo-esophageal fistula and esophageal obstruction.
Dr. habil. Szepes Zoltán, associate professor, Dr. Bor Renáta PhD, assistant professor	Evaluation of malignancy risk of colorectal polyps according to size and morphological feature.
Dr. habil. Szepes Zoltán, associate professor, Dr. Bor Renáta PhD, assistant professor	The impact of pre-procedure (indication, lining preparation) and completeness of procedure quality indicators of colonoscopy on the outcome of examination.
Dr. habil. Szepes Zoltán, associate professor, Dr. Bor Renáta PhD, assistant professor	Operative upper gastrointestinal endoscopy.
Dr. habil. Szepes Zoltán, associate professor, Dr. Bor Renáta PhD, assistant professor	Therapeutic endosonographic interventions in upper gastrointestinal tract.

Thesis topics for 4th year medical students
2023/2024

Thesis Supervisor	Thesis Topic
Dr. habil. Szepes Zoltán, associate professor, Dr. Bor Renáta PhD, assistant professor	The efficacy of colorectal screening in Csongrád-Csanád county (quality indicators, outcome indicators, safety, adherence, morphological evaluation of polyps). Ethical approval number: ETT-TUKEB IV/609-2/2020/EKU
Dr. habil. Szepes Zoltán, associate professor Dr. Fábíán Anna PhD, assistant lecturer	Palliative duodenal self-expandable metal stent (SEMS) placement in the management of gastric outlet obstruction.
Dr. habil. Szepes Zoltán, associate professor Dr. Fábíán Anna PhD, assistant lecturer	Self-expandable metal stent placement (SEMS) placement in the management of benign and malignant lower gastrointestinal obstruction.
Dr. habil. Szepes Zoltán, associate professor Dr. Fábíán Anna PhD, assistant lecturer	Endoscopic treatment of early rectal cancers.
Dr. habil. Szepes Zoltán, associate professor Dr. Fábíán Anna PhD, assistant lecturer	Assessment of quality indicators of endoscopic examinations in daily practice.
Dr. habil. Szepes Zoltán, associate professor Dr. Fábíán Anna PhD, assistant lecturer	Operative upper and lower gastrointestinal endoscopy. (e.g. mucosectomies, polypectomies, full thickness resection [EFTR], ballon dilatation)
Dr. habil. Szepes Zoltán, associate professor Dr. Fábíán Anna PhD, assistant lecturer	Endoscopic ultrasound in the hepatobiliary system.
Dr. habil. Rosztóczy András, associate professor	Clinical and experimental studies in esophageal motility disorders.
Dr. habil. Rosztóczy András, associate professor	Barrett's esophagus.
Dr. Ábrahám György, lecturer, Dr. Gajdán Nikolett, assistant lecturer	The value of the 24-hour blood pressure monitoring in the prediction of the progression of the cardiovascular target organ damage
Dr. habil. Valkusz Zsuzsanna, associate professor, Dr. Nagy Rea, clinical physician	Primary and secondary osteoporosis. (Ethical approval is not needed.)
Dr. habil. Valkusz Zsuzsanna, associate professor, Dr. Nagy Rea, clinical physician	MEN syndrome. Ethical approval number: 238/2019
Dr. habil. Valkusz Zsuzsanna, associate professor, Dr. Nagy Rea, clinical physician	Pituitary disease. Ethical approval number: 137/2017
Dr. Sepp Krisztián PhD, assistant professor	Thyroid gland cancers.
Dr. Magony Sándor PhD, chief clinical physician	Investigations of neuropathic conditions in endocrine diseases.
Dr. Magony Sándor PhD, chief clinical physician	Acromegaly.
Dr. Illés Dóra, assistant professor	Management of chronic liver diseases.
Dr. Halász Réka, clinical physician	Autoimmune liver diseases.
Dr. Németh Balázs PhD, assistant professor	The genetics of chronic pancreatitis. Ethical approval number: ETT TUKEB 22254-1/2012/EKU
Prof. Dr. Várkonyi Tamás, professor, Dr. Nyiraty Szabolcs PhD, assistant lecturer	Assessment of autonomic neuropathy (etiology, manifestations).
Dr. Maléth József PhD, research assistant	Epithelial signaling and secretion in physiology and pathophysiology.
Dr. Maléth József PhD, research assistant	The role of redox sensitive calcium channels in the pathogenesis of acute pancreatitis.
Dr. Maléth József PhD, research assistant	Organoid cultures in the gastrointestinal research.
Dr. Csajbók Éva PhD, chief clinical physician	Lipodystrophies.
Dr. Csajbók Éva PhD, chief clinical physician	Examination of cognitive function in diabetic and obese patients.
Dr. Csajbók Éva PhD, chief clinical physician	Obesity as systemic inflammation.
Dr. Gajdán Nikolett, assistant lecturer, Dr. habil. Kósa István, associate professor	Changes in the cardiovascular risk status of post-myocardial infarction patients after telemedicine-enhanced hybrid rehabilitation care with shortened inpatient observation.
Dr. Sepp Krisztián PhD, assistant professor, Dr. habil. Kósa István, associate professor	Assessment of metabolic parameters and body composition changes in patients with metabolic syndrome during complex hybrid cardiometabolic rehabi
Dr. Molnár Boglárka, clinical chief physician, Dr. habil. Kósa István, associate professor	Changes in metabolic status of postinfarction diabetic patients after hybrid rehabilitation.
Dr. Keller Nóra, clinical pharmacist, Dr. Gajdán Nikolett, assistant lecturer	Effectiveness of achieving blood pressure targets using a telemedically controlled, automated multidose medication system.
Department of Laboratory Medicine	
Dr. Földesi Imre, head of the department, associate professor, PhD, habil.	The place and role of aromatase inhibitors in patient-tailored treatment for in vitro fertilization
Dr. Kata Diána, scientific research fellow	The role of sex hormones in neurodegenerative diseases
Dr. Kata Diána, scientific research fellow	The role of aromatase in the brain
Department of Medical Biology	
Prof. Dr. Zsolt Boldogkői (MSc., PhD., DSc.) university professor and Dr. habil. Dóra Tombác (MSc. PhD.) associate professor	Host-Microbe Interactions in Obesity and Comorbidities
Prof. Dr. Zsolt Boldogkői (MSc., PhD., DSc.) university professor and Dr. habil. Dóra Tombác (MSc. PhD.) associate professor	Transcriptional analysis of herpesviruses
Prof. Dr. Zsolt Boldogkői (MSc., PhD., DSc.) university professor and Dr. habil. Dóra Tombác (MSc. PhD.) associate professor	Analysis of Transcriptional Interference Networks (TINs)

Thesis topics for 4th year medical students
2023/2024

Thesis Supervisor	Thesis Topic
Department of Medical Chemistry	
Dr. Gábor Tóth full professor, Dr Györgyi Váradi, associate professor	Posttranslational modification of natural peptides by chemical methods.
Dr. Gábor Tóth full professor, Dr. Zsolt Bozsó, assistant professor	Synthesis of peptide toxins with multiple disulphide bridges.
Dr. Györgyi Váradi associate professor	Antifungal peptides as therapeutic agents
Dr. Györgyi Váradi associate professor	Investigation of structure-activity relationships of antifungal proteins
Dr. Lajos Kovács senior research fellow	Synthesis of nucleosides.
Dr. Lajos Kovács senior research fellow	Synthesis and investigation of highly ordered, guanine-containing structures.
Dr. Zoltán Kele associate professor	Investigation of peptides and proteins by mass spectrometry.
Dr. Zoltán Kupihár, assistant professor	Synthesis of modified nucleosides
Dr. Zoltán Szabó assistant professor	Identification of biomarkers for diagnosis of cancers by mass spectrometry based extracellular vesicle profiling
Dr. Zoltán Szabó assistant professor	Mass spectrometric tear fluid characterization and identification of disease biomarkers using a novel tear collection method
Dr. Anasztázia Hetényi associate professor	Antibiotic adjuvants: mechanism of action and development
Dr. Tamás Martinek full professor, head of department	Development of novel antimicrobial strategies and potential therapeutics
Dr. Tamás Martinek full professor, head of department, Dr Edit Wéber, assistant professor, Dr. Zsófia Hegedüs, teaching assistant	Blocking of protein-protein interactions, development of novel potential drug molecules
Dr. Tamás Martinek full professor, head of department, Dr Anasztázia Hetényi, associate professor	Cell delivery of therapeutic macromolecules
Department for Medical Communication and Translation Studies	
Eszter Asztalos-Zsembery, university assistant lecturer and Dr. Csilla Keresztes, university associate professor	Investigation into the needs for Medical English as a language of mediation among non-native speakers of English studying Medicine in a non-English speaking country
Gergely Brandl, university assistant lecturer, predoc.	The social history of medicine and health with regards to Modern Times
Réka Csenki-Bozsó, university assistant lecturer, predoc. and Dr. Csilla Keresztes, university associate professor	Psycholinguistics: mother tongue, second language and early start in foreign language(s)
Margit Skadra, university assistant lecturer, PhD student and Dr. Csilla Keresztes, university associate professor	1. Communication barriers in the German healthcare system
Andrea Stötzer, university assistant lecturer, PhD student and Dr. Csilla Keresztes, university associate professor	1. Medical students' learning strategies 2. AI-assisted learning in medical education
Anita Kruták, university assistant lecturer and Dr. Csilla Keresztes, university associate professor	Medieval medicine in narrative sources
Dr. Csilla Keresztes, university associate professor	Barriers in doctor-patient communications.
Department of Medical Genetics	
Prof. Dr. Széll Márta Ph.D D.Sc	Mutation screening and characterization in rare monogenic diseases
Prof. Dr. Széll Márta Ph.D D.Sc	Identification of genetic variations in neurodegenerative human diseases
Dr. Pál Margit Ph.D,	Molecular genetic examination of patients with retinitis pigmentosa
Dr. Nagy Nikoletta Ph.D D.Sc	Investigations of phenotype modifier factors in monogenic diseases.
Dr. Nagy Nikoletta Ph.D D.Sc	Elucidations of the mechanisms of rare diseases.
Dr. László Zsuzsanna Ph.D	Molecular genetics of male infertility: Y chromosome microdeletions in azoospermia
Dr. László Zsuzsanna Ph.D	Pharmacogenomics in the treatment of leukemia: monitoring of BCR-ABL geneexpression profile of patients treated by Imatinib
Dr. László Zsuzsanna Ph.D	Mutation analysis of JAK-2 in myeloproliferative diseases
Dr. Pál Margit Ph.D,	Molecular genetic examination of patients with retinitis pigmentosa

Thesis Supervisor	Thesis Topic
Department of Medical Microbiology and Immunobiology	
Katalin Burián, professor, MD., Ph.D.	Pathogens involved in the development of bacterial vaginosis
Katalin Burián, professor, MD., Ph.D.	Parasitic zoonoses spread by cats
Katalin Burián, professor, MD., Ph.D.	Parasitic zoonoses spread by reptiles
Katalin Burián, professor, MD., Ph.D.	Importance of BCG as an immunotherapeutic agent
Katalin Burián, professor, MD., Ph.D.	Pathomechanism of hepatitis E virus infection in pregnancy
Dezső Virok, associate professor, MD, Ph.D.	Urogenital tract infections caused by <i>Chlamydia trachomatis</i>
Dezső Virok, associate professor, MD, Ph.D.	Cell-autonomous immunity to Chlamydia
Klára Megyeri, associate professor, MD., Ph.D.	The influenza virus
Klára Megyeri, associate professor, MD., Ph.D.	The respiratory syncytial virus (RSV)
Ferenc Somogyvári, associate professor, Ph.D.	Electrostimulation
Ferenc Somogyvári, associate professor, Ph.D.	Molecular diagnostic in sepsis
Ferenc Somogyvári, associate professor, Ph.D.	Human genetics of white-matter diseases
Gabriella Spengler, assistant professor, Ph.D.	Potential therapeutic application of selenocompounds in <i>in vitro</i> systems
Tímea Mosolygó, assistant professor, MD., Ph.D.	Emerging infections
Tímea Mosolygó, assistant professor, MD., Ph.D.	Antimicrobial activity of different compounds
Anita Varga-Bogdanov, assistant professor Ph.D.	Antimicrobial chemotherapy
László Orosz, assistant professor MD., Ph.D.	Changes in resistance pattern of ESKAPE pathogens between 2010 and 2020 in the Clinical Center of University of Szeged, Hungary
László Orosz, assistant professor MD., Ph.D.	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
László Orosz, assistant professor MD., Ph.D.	Changes in prevalence and resistance patterns of <i>Acinetobacter baumannii</i> between 2002 and 2021 in the Clinical Centre of the University of Szeged, with special reference to the COVID-19 pandemic period
Marianna Pappné Ábrók, assistant professor Ph.D.	Application of MALDI-TOF mass spectrometry in different areas of clinical microbiological diagnostics
Marianna Pappné Ábrók, assistant professor Ph.D.	Diagnostics and epidemiology of urogenital infections
Marianna Pappné Ábrók, assistant professor Ph.D.	Clinical microbiological analysis of infections caused by beta-hemolytic streptococci
Department of Medical Physics and Informatics	
Dr. Égerházi László Ph.D, assistant professor, Dr. Ráosi Ferenc Ph. D, assistant professor	Evaluating the capabilities of generative artificial intelligence in validating the accuracy of medical documentations
Dr. Fodor Gergely Ph.D, assistant professor	Respiratory mechanical investigations in small animal models
Lantos Tamás Ph.D, assistant professor	The impact of the COVID-19 pandemic on deaths in Hungary
Dr. Márki Árpád Ph.D, assistant professor, Dr. Nagy Attila Ph.D, assistant professor	Design, 3D printing and testing of functionally graded porous materials
Dr. Égerházi László Ph.D, assistant professor, Dr. Nagy Attila Ph.D, assistant professor	Installation and testing of an ultrasound navigation system suitable for educational and simulation purpose
Dr. Nyári Tibor Ph.D, habilitation, associate professor	The pattern of mortality trends in Hungary
Tarányi Tamás MSc, assistant research fellow (PhD defence in February 2024)	Mechanical Properties of Biomedical Materials During Nanoindentation
Tarányi Tamás MSc, assistant research fellow (PhD defence in February 2024)	Antibacterial Peptides in Aqueous Environment Molecular Dynamics Simulation
Dr. Tolnai József Ph.D, assistant professor	Telemedicine Applications

Thesis Supervisor	Thesis Topic
Department of Neurology	
Dr. Annus Ádám, teaching assistant, PhD	Thrombolysis and thrombectomy in acute ischaemic stroke
Dr. Babarczy Kristóf, teaching assistant	COVID-19 and the nervous system
Dr. Bencsik Krisztina, associate professor, PhD	Clinical aspects of multiple sclerosis
DR. Csát Anett, teaching assistant, PhD	Quality of life studies in headache disorders
Dr. Dézsi Lívía, teaching assistant	Polyneuropathies. Myasthenia gravis. Muscular dystrophias.
Dr. Faragó Péter, assistant professor, PhD	Investigation of MRI alternations in neurological diseases.
Dr. Füvesi Judit, assistant professor, PhD	Treatment of spasticity with intrathecal baclofen pump.
Dr. Füvesi Judit, assistant professor, PhD	Quality of life studies in multiple sclerosis.
Dr. Fricska-Nagy Zsanett, assistant professor, PhD	Clinical examination of multiple sclerosis patients with high disease activity
Dr. Gárdián Gabriella, assistant professor, PhD	Use of botulinum toxin in neurological diseases
Dr. Gárdián Gabriella, assistant professor, PhD	Therapeutic options for post-stroke spasticity
Dr. Horváth Zoltán, clinician	Differential diagnostics of epilepsy.
Dr. Jakab Katalin, head physician	Neurorehabilitation.
Dr. Laczó Bence, teaching assistant	Electrophysiological methods in diagnostics of neuromuscular diseases.
Dr. Nyári Aliz, teaching assistant	Mood disorder and cognitive impairment in multiple sclerosis
Dr. Párdutz Árpád, associate professor	Animal models of trigeminovascular activation.
Dr. Rajda Cecília, associate professor, PhD	Clinical signs and therapy of epilepsy.
Dr. Rajda Cecília, associate professor, PhD	Neurological autoimmune diseases
Dr. Salamon András, teaching assistant	Clinical and genetic examination of complex neurological diseases
Dr. Sandi Dániel, associate professor, PhD	The assessment of psychological manifestations in multiple sclerosis
Dr. Sas Katalin, associate professor	Lipoprotein(a) as a vascular risk factor.
Dr. Sas Katalin, associate professor	Novel oral anticoagulants in neurological disorders.
Dr. Sas Katalin, associate professor	Low back pain.
Dr. Sas Katalin, associate professor	Thrombophilia and stroke.
Dr. Szabó Nikolett, assistant professor, PhD. habil.	Neuroimaging and neurophysiological investigations in neurology.
Dr. Szabó Nikolett, assistant professor, PhD. habil.	Treatment in primary headache disorders.
Dr. Szalárdy Levente, assistant professor, PhD	Biomarker studies in cerebral small vessel diseases
Dr. Szok Délia, associate professor, PhD	Special aspects of epilepsy syndromes.
Dr. Szok Délia, associate professor, PhD	Primary headache disorders: classification, diagnostics and therapy.
Dr. Szpisjak László, associate professor, PhD	Hereditary ataxias.
Dr. Szpisjak László, associate professor, PhD	Clinical features of movement disorders
Dr. Tajti János, university professor	Pathomechanism of primary headache disorders.
Dr. Ungureán Aurélie, clinician	Differential diagnostics of facial pain.
Dr. Zádori Dénes, associate professor	Clinical features of movement disorders and neurocognitive disorders diseases.
Department of Neurosurgery	
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Varga Ádám (senior clinical doctor, consultant)	Surgical treatment of trigeminal neuralgia
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Watfa Kerim (neurosurgeon, consultant)	Significant internal carotid artery stenosis treatment options (theory & rational)
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Watfa Kerim (neurosurgeon, consultant)	Surgical treatment options for cerebral hypoperfusion
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Balázsfi Márton (senior clinical doctor, consultant)	Hydrocephalus internus, normal pressure hydrocephalus – diagnostic methods and treatment.
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Németh Tamás (senior clinical doctor, consultant)	Flow modification principle and its application in the treatment of aneurysms.

Thesis topics for 4th year medical students
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Thesis Supervisor	Thesis Topic
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Németh Tamás (senior clinical doctor, consultant)	Mechanical thrombectomy
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Elek Péter (clinical doctor, consultant)	Degenerative cervical spine diseases and treatment methods
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Tóth Tamás (university assistant lecturer, consultant)	Indications of stabilization techniques in degenerative lumbar spine diseases
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Mencser Zoltán (clinical doctor, consultant)/ Dr. Tóth Tamás (university assistant lecturer, consultant)	Minimal invasive lumbar spine surgery: types, techniques and approaches
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Mencser Zoltán (clinical doctor, consultant)	Treatment options of hydrocephalus
Prof. Dr. Veres Róbert (honorary university professor), Dr. Bod Bence (resident, consultant)	Operative management of traumatic thoraco-lumbar spinal fractures
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Balázsfi Márton (clinical doctor, consultant)	Minimal invasive decompression surgeries in degenerative spine diseases
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Kis Dávid (PhD, university assistant lecturer, consultant)	Endoscope and microscope assisted minimal invasive brain surgery Ethical approval number:25/2015
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Kis Dávid (PhD, university assistant lecturer, consultant)	Treatment of movement disorders by deep brain stimulation
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Kis Dávid (PhD, university assistant lecturer, consultant)	The role of advanced neuroimaging methods (fMRI, tractography) in neurosurgery. Ethical approval number:25/2015
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Kis Dávid (PhD, university assistant lecturer, consultant)	Neurosurgical treatment of chronic pain syndromes Ethical approval number:110/2012
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Tahei Arad (consultant)	Unusual infections of the CNS and their treatment
Department of Nuclear Medicine	
Prof. Dr. Pávics László, Professor, Head of Department, DSc	Observations on Radioiodine Therapy in Treatment of Thyroid Cancer
Dr. Besenyi Zsuzsanna MD PhD assistant professor	Multidisciplinary Approach of the Imaging of Autoimmune disease
Dr. Besenyi Zsuzsanna MD PhD assistant professor	The Role of Prostate-Specific Membrane Antigen (PSMA) in Diagnosis and Treatment of Prostate Cancer
Prof. Dr. Pávics László, Professor, Head of Department, DSc	The Role of Radionuclide-labeled Somatostatin Analogues in Therapy and Treatment of Neuroendocrine Tumors
Dr. Besenyi Zsuzsanna MD PhD assistant professor	Quantitative assesment of liver function using hepatobiliary hibrid imaging
Dr. Besenyi Zsuzsanna MD PhD assistant professor	Assesment of quality of life after radioiodine therapy in thyroid cancer patients
Dr. Gion Katalin M.D., radiology specialist	Osteoporosis in postmenopausal women
Department of Obstetrics and Gynaecology	
Prof. Dr. habil Németh Gábor PhD	The role of endoscopy in general gynecology
Dr. habil Gyurkovits Zita PhD	Effects of the Covid-19 pandemic on perinatal outcomes
Dr. habil Gáspár-Surányi Andrea PhD	Placental function in pathological pregnancy (3D-ultrasound study)
Dr. habil Gáspár-Surányi Andrea PhD	Circulatory sytem investigation in prenanat women
Dr. habil Gáspár-Surányi Andrea PhD	Abnormal umbilical cord-perinatal invesigation
Dr. habil Bitó Tamás PhD	Analysis of vaginal smear in case of preterm deliveries
Dr. habil Bitó Tamás PhD	Expected incidence of gestational diabetes mellitus using different diagnostic criteria
Dr. habil Bitó Tamás PhD	Evaluation of adverse pregnancy outcome in case of gestational diabetes mellitus
Dr. habil Bitó Tamás PhD	Evaluation of incidence and background of stillbirth
Prof. Dr. Orvos Hajnalka	Screening for critical congenital heart disease in newborns
Prof. Dr. Orvos Hajnalka	Neonatal outcome of twins
Dr. habil Keresztúri Attila PhD	The role of metformin in gynecological tumors
Dr. habil Keresztúri Attila PhD	Up-to-date diagnostics and therapy of endometriosis
Dr. habil Keresztúri Attila PhD	Ultrasonographic examinations in obstetrics
Dr. Molnár András PhD	The treatment of polycystic ovary syndrome
Dr. habil Pásztor Norbert PhD	Role of the anti-müllerian hormone in the everyday practice - review of the literature
Dr. habil Pásztor Norbert PhD	Impact of the Poseidon categories in the assisted reproduction- review of the literature
Dr. habil Pásztor Norbert PhD	GnRH-agonist and antagonist protocols in the controlled ovarian hyperstimulation - review of the literature
Dr. habil Novák Tibor PhD	Dental disorders in pregnancy

Thesis topics for 4th year medical students
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Thesis Supervisor	Thesis Topic
Dr. habil Novák Tibor PhD	Cardiovascular maternal changes in pregnancy
Dr. habil Novák Tibor PhD	Peripheral neuropathy in pregnancy
Dr. Altorjay Ábel PhD	Measurement of placental vascularization in case of pregnancies complicated with hypertension or diabetes mellitus, and covid-19 infection
Department of Oncotherapy	
Prof. Dr. Katalin Hideghéty PhD habil	Use of DOPA-PET CT in the treatment of brain tumors
Prof. Dr. Katalin Hideghéty PhD habil	Complex management of brain tumors
Prof. Dr. Katalin Hideghéty PhD habil	Preclinical experiments on radiation effect enhancement

Thesis Supervisor	Thesis Topic
Department of Ophthalmology	
Dr. Orosz Zsuzsanna assistant professor, PhD	Management of Corneal Wound healing
Dr. Orosz Zsuzsanna assistant professor, PhD	Investigations on Tear Film Stability
Dr. Hári-Kovács András assistant professor, PhD	Silicon oil induced glaucoma in vitrectomized eyes.
Dr. Sohár Nicolette assistant professor, PhD	Complications of juvenile uveitis
Dr. Vizvári Eszter assistant professor Ph.D.	Diagnosis and therapy of age-related macular degeneration
Dr. Kovács Attila teaching assistant, PhD	Optical coherence tomography biomarkers in wet age -related macular degeneration
Dr. Kovács Attila teaching assistant, PhD	Impact of different vitreous conditions on the effectiveness of intravitreal anti-VEGF treatment and changes in intraocular pressure
Dr. Smeller Lilla teaching assistant	Modern diagnostic tools in the diagnosis of uveitis
Dr. B. Tóth Barbara clinical specialist	New approach in the therapy of diabetic retinopathy
Dr. B. Tóth Barbara clinical specialist	Diabetic retinopathy in type 1 diabetes mellitus
Department of Oral and Maxillofacial Surgery	
Dr. Vereb Tamás PhD, assistant professor	Facial Gender Affirmation surgery - literature review
Dr. Vereb Tamás PhD, assistant professor	Osteonecrosis of the jaws caused by target therapies - literature review
Dr. Major László, clinical physiciam	Objective, metric-based verification of subjective judgements regarding the accuracy of dental implant placement
Dr. Janovszky Ágnes PhD, assistant professor	Treatment of odontogenic abscess processes at the University of Szeged, Department of Oral and Maxillofacial Surgery
Dr. Lázár Péter György, clinical physician	Immediate implantation: a literature review
Department of Orthopaedics	
Dr. habil Krisztián Sisák Ph. D.	Long term follow-up on the Proxima short stem
Dr. habil Krisztián Sisák Ph. D.	Uncemented total hip replacement in the elderly, advantages and risks
Dr. habil Krisztián Sisák Ph. D.	The treatment of periprosthetic joint infection of the hip - the results of two-stage revision
Dr. habil Gellért Sohár Ph.D.	Role of obesity in the survivor of unidondylar knee prosthesis
Dr. Ernest Nagy clinical doctor	Is hypoproteinemia a pre-op risk factor for septic infection in elective knee (TKR) & hip (THR) surgery?
Dr. Arany László assistant lecturer	The effect of tranexamic acid on transfusion rate after lowerlimb arthroplasty
Dr. Gáality Hristifor assistant lecturer	Analysis of TKA revisions due to aseptic loosening at our department
Dr. Gombár Csaba assistant lecturer	Estimating component sizes in hip and knee arthroplasty using antropometric methods
Department of Oto-Rhino Laryngology	
Prof. Dr. habil. László Rovó Ph.D., head of department	Objective and subjective functional examination methods of the therapy of laryngeal diseases
Prof. Dr. habil. László Rovó Ph.D., head of department	Evaluation of the efficiency of modern implantable hearing aids
Dr. habil. József Géza Kiss Ph.D, scientific advisor	Methods of objective audiometry / Brainstem evoked response tests
Dr. habil. József Géza Kiss Ph.D, scientific advisor	Methods of objective audiometry/ Examination of P300
Dr. habil. József Géza Kiss Ph.D, scientific advisor	Methods of objective audiometry/ Otoacoustic emission
Dr. habil. József Géza Kiss Ph.D, scientific advisor	Methods of objective audiometry/ Diseases of the inner ear, cochlear implantation
Dr. László Iván Ph.D., associate professor	Surgical therapy of pharyngeal-laryngeal tumors
Dr. László Iván Ph.D., associate professor	Function-sparing surgery of the larynx
Dr. László Iván Ph.D., associate professor	Complex oncological therapy of patients with head and neck malignancies
Dr. Miklós Csanády Ph.D., associate professor	Endolaryngeal laser surgery
Dr. Miklós Csanády Ph.D., associate professor	Partial resection of the larynx and the pharynx
Dr. Miklós Csanády Ph.D., associate professor	Evaluation of the oncological therapy of patients with head and neck malignancies
Dr. Zsolt Bella Ph.D., senior lecturer	Endoscopic surgery of the skullbase
Dr. Zsolt Bella Ph.D., senior lecturer	Endoscopic surgery of the paranasal sinuses
Dr. Zsolt Bella Ph.D., senior lecturer	Evaluation and therapy of sleep related breathing disorders
Dr. Balázs Sztanó Ph.D., senior lecturer	Modern evaluation of upper airway stenoses
Dr. habil. József Géza Kiss Ph.D, scientific advisor / Roland Nagy., research assistant	Cochlear implant fitting
Dr. habil. József Géza Kiss Ph.D, scientific advisor / Balázs Dimák., research assistant	Objective electrophysiological examinations in audiology

Thesis topics for 4th year medical students
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Thesis Supervisor	Thesis Topic
Dr. János Jarabin senior lecturer	Audiological examinations of bone anchored hearing aid systems
Dr. János Jarabin senior lecturer	Differential diagnostics of vestibular disorders
Dr. Gábor Vass senior lecture	Surgical methods of the tumors of the sinuses with covert approaches „ the facial degloving technique”.
Dr. Gábor Vass senior lecture	Disturbed wound healing following the surgeries of implantable hearing aid systems – surgical methods and the possibilities of prevention
Dr. Diána Szabó – senior lecture	New therapeutie options in peripherae n. facialis palsy
Dr. Adám Perényi – senior lecturer	Implanted devices and imaging diagnostics in ENT – what examinations can be performed with what expectations and limitations?
Dr. Adám Perényi – senior lecturer	Speech discrimination, directional hearing, quality of life, social status and satisfaction of patients with cochlear implants
Dr. Adám Perényi – senior lecturer	Speech discrimination, directional hearing, quality of life, social status and satisfaction of patients with middle ear implants
Dr. Zsófia Bere senior lecture	Surgical Techniques of Bone Conductive Hearing Implants — Introduction of Minimally Invasive Surgical Procedures.
Dr. Zsófia Bere senior lecture	Audiological examination of Bone Conduction Hearing Aided patients
Dr. Zsófia Bere senior lecture	Health and Quality of Life Outcomes of Bone Conduction Hearing Aided patients
Dr. Roland Nagy research fellow	Pupillometry in audiology
Dr. Roland Nagy research fellow	Sound localization test for implantable hearing aid patients
Dr. Roland Nagy research fellow	Electrophysiology measurements of Cochlear Implant (CI)
Dr. Roland Nagy research fellow	3D reconstruction in ear surgery
Dr. Balázs Dimák	Objective electrophysiological measurements on implantable hearing aids
Dr. Balázs Dimák	Software development of hungarian speechtest
Dr. Balázs Dimák	Construction and validation of hungraian speechtest
Rebeka Anna Schulcz psychologist	Quality of life among hearing aid users
Rebeka Anna Schulcz psychologist	Quality of life among cochlear implant users
Department of Pathology	
Dr. Tiszlavicz László/Dr. Radics Bence	Predictive markers of lung tumours
Dr. Cserni Gábor	Prevalence changes of lobular breast cancer
Dr. Vörös András/Dr. Oláh-Németh Orsolya	Potential predictive and prognostic value of stromal CD-10 expression in breast cancer
Dr. Vörös András/Dr. Oláh-Németh Orsolya	Diffusely invasive lobular breast cancer, a special type of breast malignancies
Dr. Vörös András/Dr. Oláh-Németh Orsolya	Retrospective immunohistochemistic analysis of sentinel axillary lymph nodes in case of neoadjuvant oncologic therapy
Dr. Vörös András/Dr. Oláh-Németh Orsolya	Retrospective comparison of different ways of analysis of resection margins on breast excision samples
Dr. Vörös András/Dr. Oláh-Németh Orsolya	Possible prognostic and predictive values of tumor cell density in breast cancer
Dr. Vörös András/Dr. Oláh-Németh Orsolya	Morphologic analysis of the neostroma in breast cancer
Dr. Vörös András/Dr. Oláh-Németh Orsolya	Examination of the diagnostic and prognostic histological markers of inflammatory bowel disease with immunohistochemistry
Dr. Kővári Bence/Dr. Turkevi-Nagy Sándor	Examination of neuroendocrine tumours with immunohistochemistry and molecular pathological methods
Dr. Vasas Béla	Clinicopathological examination of stage pT1 colorectal carcinomas
Dr. Kuthi Levente	Prognostic factors of kidney cancers
Dr. Zombori Tamás	Clinicopathological features of neuroendocrine tumours of the lungs
Dr. Kaizer László	Clinicopathological evaluation of perinatal pathological examinations
Dr. Sejben Anita/Dr. Zombori Tamás	Immunophenotype of triple negative breast cancer
Dr. Sejben Anita/Dr. Zombori Tamás	Prognostic factors of triple negative breast cancer
Dr. Sejben Anita/Dr. Zombori Tamás	Evaluation of regression grading systems in patients who recieved neoadjuvant therapy
Dr. Sejben Anita/Dr. Zombori Tamás	Prognostic factors of neoadjuvant therapy recieving breast cancer cases
Dr. Nagy Bence	Correlation of cervical cytology results and resection samples
Department of Pathophysiology	
Júlia Szakács senior assistant professor, MD, PhD	Study of the behavioral effects of neuropeptides
Miklós Jászberényi, associate professor, MD, PhD, DSc	The Pathophysiology of Alzheimer's Disease
Miklós Jászberényi, associate professor, MD, PhD, DSc	The role of neuropeptide mediators in the control off affective, emotional and cognitive processes
Miklós Jászberényi, associate professor, MD, PhD, DSc	The Effect of Neuropeptides on the Hypothalamus-Pituitary-Adrenal system

Thesis topics for 4th year medical students
2023/2024

Thesis Supervisor	Thesis Topic
Zsolt Bagosi, senior assistant professor, MD, PhD	The effects of CRF and the urocortins on anxiety and depression
Zsolt Bagosi, senior assistant professor, MD, PhD	The effect of CRF and urocortins on sociability and preference for social novelty
Zsolt Bagosi, senior assistant professor, MD, PhD	The effects of binge drinking on anxiety and depression
Zsolt Bagosi, senior assistant professor, MD, PhD	The effects of binge drinking on sociability and preference for social novelty
Krisztina Anna Csabafi, MD, PhD Associate Professor, Éva Bodnár Assistant lecturer	The effect of kisspeptin on amyloid-beta neurotoxicity
Krisztina Anna Csabafi, MD, PhD Associate Professor, Éva Bodnár Assistant lecturer	Effect of neuropeptides on nociception and morphine induced analgesia, tolerance
Krisztina Anna Csabafi, MD, PhD Associate Professor Katalin Eszter Ibos, PhD student, MD	Role of neuropeptides in anxiety and the development of anxious phenotype
Zoltán Rakoncay, MD, PhD DSc Professor Lóránd Kiss PhD Research Fellow	The pathomechanism of experimental acute pancreatitis and therapeutic investigations
Márta Sárközy, MD, PhD, Associate Professor	Experimental investigation of the molecular mechanisms and potential therapeutic targets of uremic cardiomyopathy
Márta Sárközy, MD, PhD, Associate Professor	Experimental investigation of the mechanisms and potential therapeutic targets of chemotherapeutic-induced chronic cardiotoxicity
Márta Sárközy, MD, PhD, Associate Professor	Experimental investigation of mechanisms and potential therapeutic targets of heart failure as a chronic side effect of radiotherapy
István Koncz, MD, PhD, Adjunct professor	Mechanisms of Cardiac Arrhythmia
By agreement with the supervisor	Any topic from Pathophysiology

Thesis topics for 4th year medical students
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Thesis Supervisor	Thesis Topic
Department of Pediatrics	
Dr. Maróti Ágnes assistant professor	Role of continuous tissue glucose monitoring in carbohydrate metabolic disorders
Dr. Maróti Ágnes assistant professor	Childhood obesity and comorbidities
Dr. Gellén Balázs associate professor, Dr. Miklós Györgyi	Special aspects of management and associated malformations of Turner syndrome
Dr. Gellén Balázs associate professor, Dr. Miklós Györgyi	Management of congenital hypothyreosis
Dr. Szűcs Dániel/Dr. Takács Andrea/Dr. Gavallér Gabriella	Our experience with biologics in inflammatory bowel disease (IBD)
Dr. Szűcs Dániel/Dr. Takács Andrea/Dr. Gavallér Gabriella	Surgery indication in case of patient treated with IBD
Dr. Szűcs Dániel/Dr. Takács Andrea/Dr. Gavallér Gabriella	Loss of function of anti-TNF alfa therapy in our practice with IBD treatment
Dr. Takács Andrea	Indication for endoscopic retrograde cholangiopancreatography (ERCP) during childhood
Dr. Takács Andrea	Pancreas-specific stool tests in paediatric gastroenterology
Dr. Takács Andrea	Results of upper endoscopic examination after foreign body ingestion
Dr. Mari Judit	Antibiotic use in preterm infants
Dr. Mari Judit	Microbiological surface swabs' role in early onset sepsis
Dr. Kiss Judit	Chosen topic of interest in Neonatology
Dr. Bereczki Csaba	Short and long term outcome after kidney transplantation in children
Dr. Szabó Hajnalka	Chosen topic of interest in Paediatric Pulmonology
Dr. Blaszó Péter	Sustained hypogammaglobulinaemia after B-cell depletion - Proposed mechanisms and management
Dr. Blaszó Péter	Immunoglobulin deficiency in Takenouchi-Kosaki syndrome
Dr. Blaszó Péter	Arbitrary topic within pediatric immunology based on preliminary discussions
Dr. Zimmermann Alíz	Adherence of patients with cerebral palsy to physical therapy and the use of orthotic/assistive devices
Dr Kovács Tamás	Investigation of VACTERL association among newborns operated on oesophageal atresia
Dr. Balogh Brigitta	Congenital abdominal wall defects (omphalocele and gastroschisis) in our department
Dr. Rác Gábor	Expanded newborn screening: experiences from the first 10 years
Dr. Kósa Magdolna	Genetic background of biochemically mild galactosemias detected by newborn screening
Dr. Kapornai Krisztina, PhD, associate professor	Risk factors of childhood-onset depression
Dr. Kiss Enikő PhD, assistant professor	Quality of life in child and adolescent psychiatry
Dr. Tóth Anett PhD, psychologist	Psychology of neurodevelopmental disorders
Dr. Dochnal Roberta, teaching assistant	Non-suicidal self-injury in children and adolescents
Dr. Szabó Krisztina, teaching assistant	Attention deficit hyperactivity disorder in children and adolescents
Kakuszi Szilvia, clinical psychologist	Eating disorders
Dr. Pintér Sarolta, clinical doctor	Child abuse, bullying

Thesis Supervisor	Thesis Topic
Department of Pharmacology and Pharmacotherapy	
<u>Thesis coordinator: Dr. Zoltán Husi PhD</u>	
Phone: +36 62 545 679, +36 70 218 8364	
Email: husti.zoltan@med.u-szeged.hu , husti.zoltan@gmail.com	
Homepage: http://phcol.szote.u-szeged.hu	
Dr. András Varró MD, DSc	The mechanisms of action of antiarrhythmic drugs
Dr. András Varró MD, DSc	Cellular electrophysiology of the cardiac muscle.(Authority approval is not needed)
Dr. István Leprán DSc	Investigation of antiarrhythmic mechanisms in rat models.(Authority approval is not needed)
Dr. László Virág PhD and Dr. Norbert Jost PhD	Investigation of cardiovascular diseases by applying in vitro electrophysiological methods. (Authority approval is not needed)
Dr. István Baczkó MD PhD	Mechanisms of proarrhythmia: studies in animal models. Authority approval file number: CSI/01/4227-7/2016; approval number: XIII/4227/2016
Dr. István Baczkó MD PhD	Novel therapeutical approaches to the pharmacological treatment of heart failure (Authority approval not needed)
Dr. István Baczkó MD PhD	Presentation of the "Medicine of the Year" awarded by the Hungarian Society for Experimental and Clinical Pharmacology in the current year (Authority approval is not needed)
Dr. Viktória Venglovecz Viktória PhD	Interaction between exocrine and endocrine pancreas (Authority approval is in process)
Dr. Viktória Venglovecz Viktória PhD	Pathogenesis of acute pancreatitis
Dr. Viktória Venglovecz Viktória PhD	Examination of exophagical acid-base transporters under pathological conditions.
Dr. Norbert Nagy PhD	Investigation of the cardiac Na ⁺ /Ca ²⁺ exchanger: from physiology to arrhythmias. (Authority approval is not needed)
Dr. Andrea Orosz MD PhD	Investigation of cardiac ventricular repolarization parameters in different clinical conditions. (Authority approval file numbers: No. 34124-1/2019/EKU)
Dr. Péter Bencsik MD PhD	Biochemical mechanism of the ischemic adaptation of the myocardium /Authority approval No. XXVIII./171/2018.
Dr. Péter Bencsik MD PhD	Cardioprotection induced by ischemic pre- or postconditioning in acute myocardial infarction and in chronic heart failure models / Authority approval No. XXVIII./171/2018.
Dr. Péter Bencsik MD PhD	Investigation of cardioprotective mechanisms against reperfusion injury after myocardial infarction / Authority approval No. XXVIII./171/2018
Dr. Péter Bencsik MD PhD	Role of matrix metalloproteinases in adaptation of the heart and in disease models / Authority approval No. TUKEB 53010/2012/EKU (799/PI/12.)
Dr. Péter Bencsik MD PhD	Exploration of microRNA network and target analysis in cardiovascular disease models co-supervisor: Prof. Dr. Péter Ferdinandy, PhD, DSc, MBA (Authority approval is not needed)
Dr. Anikó Görbe MD PhD	Cardiocytoprotection in in vitro cell culture models (Authority approval is not needed)
Dr. Anikó Görbe MD PhD	Ischemic conditioning on stem cell-derived cardiac myocytes (Authority approval is not needed)
Dr. Anikó Görbe MD PhD	Investigation of comorbidities and hyperlipidemia in cultured cardiac myocytes faced to simulated ischemia/reperfusion induced injury (Authority approval is not needed)
Dr. Kálmán Szűcs, PhD	Endocrine Pharmacology (Authority approval is not needed)
Dr. Kálmán Szűcs, PhD	New aspects of pharmacotherapy (Authority approval is not needed)
Dr. Róbert Gáspár, PhD	Pharmacological and therapeutic aspects of contraception (Authority approval is not needed)
Dr. Tibor Hornyik PhD	Screening options for proarrhythmic side effects of drug candidate compounds during drug development

Thesis Supervisor	Thesis Topic
Department of Physiology	
Dr. Bodosi Balázs, assistant professor, PhD, Dr. Nagy Attila, associate professor, PhD	Sleep research on rats
Dr. Benyhe András, assistant professor, PhD	Visual processes during reading
Dr. Berényi Antal, assistant professor, PhD, Dr. Gellért Levente, kutató PhD	Investigation of neuronal network dynamics by high-resolution approaches electrophysiological tools
Dr. Berényi Antal, assistant professor, PhD	Altering neuronal network dynamics by closed-loop neurostimulation
Dr. Berényi Antal, assistant professor, PhD	Developing time and space targeted neurostimulation methods to terminate epileptic seizures
Dr. Berényi Antal, assistant professor, PhD	Developing novel neurostimulation approaches to treat depression and anxiety
Dr. Domoki Ferenc, associate professor, PhD, Dr. Remsző Gábor, assistant professor, PhD	The study of neurovascular unit function under physiological and pathological conditions of the central nervous system
Dr. Domoki Ferenc, associate professor, PhD	Development of neuroprotective strategies to treat neonatal encephalopathy
Dr. Dux Mária, professor, PhD, DSc Dr. Oszlács Orsolya, associate professor, PhD	Study of the sensory and vascular functions of the dura mater encephali in an experimental model of migraine headache
Dr. Fehér Ágnes, assistant professor, PhD	Exploring speech and sound perception using EEG
Dr. Horváth Gyöngyi professor, Doctor of Science, Dr. Kékesi Gabriella, associate professor, PhD	Investigation of new therapeutic ways in a chronic schizophrenia rat model
Dr. Horváth Gyöngyi professor, Doctor of Science	Investigation of spatial learning capability in a chronic schizophrenia rat model
Dr. Kaposvári Péter, associate professor, PhD	Electrophysiological investigation of implicit learning
Dr. Kékesi Gabriella, associate professor, PhD	The animal models of schizophrenia
Dr. Kéri Szabolcs professor, Doctor of Science	Cognitive investigation of higher-level nervous system functions
Dr. Lőrincz Magor, associate professor, PhD	Corticothalamic ictal neuronal dynamics in animal models of epilepsy
Dr. Mezei Zsófia, associate professor, PhD	The role of platelets in certain pathological processes (pathological process - optional)
Dr. Mezei Zsófia, associate professor, PhD	The role of platelets in physiological processes
Dr. Mezei Zsófia, associate professor, PhD	Adipose tissue as an endocrine organ
Dr. Nagy Attila, associate professor, PhD, Dr. Tót Kálmán research assistant	Investigation of sensorimotor functions of the basal ganglia in large animal models
Dr. Nagy Attila, associate professor, PhD, Dr. Eördegh Gabriella, college associate lecturer, PhD, SZTE ETSZK	Sensory guided associative learning in psychiatric and neurologic disorders connected to the dysfunction of the basal ganglia
Dr. Sárly Gyula, Head of Department, professor, Doctor of Science	Neuroscience of language.
Tóthné Dr. Rosta Judit, associate professor, PhD	Investigation of early and late complications of subarachnoid hemorrhage in an animal model
Tóthné Dr. Rosta Judit, associate professor, PhD	The role of meningeal macrophages and the lymphatic system in inflammatory processes following traumatic and non-traumatic brain injury
Department of Preventive Medicine	
Dr. habil. Kósa István	Lifestyle change conducted by telemedical intervention in cardio-metabolic conditions
Dr. Rafael Beatrix	Psychological factors in connection with cardiovascular diseases
Department of Psychiatry	
Tibor Rudisch PhD associate professor, clinical psychologist	The psychology of pain
Tibor Rudisch PhD associate professor, clinical psychologist	Applied psychology in medical care
Péter Zoltán Álmos MD, PhD. assistant professor	Examination of habitual and goal-directed behavior in depression
Péter Zoltán Álmos MD, PhD. assistant professor	Anomie and suicide among physicians
Bálint Andó PhD. assistant professor, clinical psychologist	Personality tests and neurocognitive examinations in the clinical practice
Bálint Andó PhD. assistant professor, clinical psychologist	Neurocognitive correlates of substance-related disorders
Bálint Andó PhD. assistant professor, clinical psychologist	Personality correlates of substance-related disorders
Bálint Andó PhD. assistant professor, clinical psychologist	Behavioral addictions
Bálint Andó PhD. assistant professor, clinical psychologist Bence András Lázár MD. PhD. assistant professor	Non-medical use of sedatives/hypnotics
Bence András Lázár MD. PhD. assistant professor	Virtual reality in psychiatry
Bence András Lázár MD. PhD. assistant professor	The ALCO-VR software
Bence András Lázár MD. PhD. assistant professor	Biological and psychological aspects of craving for alcohol
Bence András Lázár MD. PhD. assistant professor, med. habil Bálint Andó PhD. assistant professor,	Systematic evaluation of alcohol withdrawal syndrome
Bettina Kata Kádár MD, assistant lecturer, specialist in psychiatry, Bence András Lázár MD. PhD. assistant professor	Examination of drug-induced psychiatric disorders

Thesis topics for 4th year medical students
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Thesis Supervisor	Thesis Topic
Bettina Kata Kádár MD., assistant lecturer, specialist in psychiatry, Bence András Lázár MD. PhD. assistant professor	Alcohol use disorder in schizophrenia
Sára Kálmán MD. PhD. assistant lecturer, Ildikó Kovács PhD assistant lecturer clinical psychologist	Psychodiagnostics of premenstrual dysphoric disorder
Sára Kálmán MD. PhD. assistant lecturer, Ildikó Kovács PhD. assistant lecturer clinical psychologist	Neuromodulation techniques in psychiatric disorders
Zoltán Terenyi MD. PhD. psychotherapist, psychiatrist consultant	Stigma as communicative trouble
Zoltán Terenyi MD. PhD. psychotherapist, psychiatrist consultant	The role of Psychoterapeutic Weekend movement in the modernization of psychiatry
Zoltán Terenyi MD. PhD. psychotherapist, psychiatrist consultant	Power and mutuality along the process of creating psychiatric diagnoses
Zoltán Terenyi MD. PhD. psychotherapist, psychiatrist consultant	Analysing media representations of psychiatric problems
Erika Tóth MD. assistant lecturer, psychotherapist;	Empathy in medicine
Erika Tóth MD. assistant lecturer, psychotherapist	Ways of examination of credibility in medicine
Erika Tóth MD. assistant lecturer, psychotherapist	Metacommunication as a psychotherapeutic factor
Ildikó Kovács PhD, assistant lecturer, clinical psychologist	Saccadic eye movements in psychiatric disorders
Ildikó Kovács PhD, assistant lecturer, clinical psychologist	Appearance and assessment of impulsivity in psychiatric diseases
Klára Mária Hegedűs PhD, assistant lecturer	Neuropsychological correlates of suicidal behaviour

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Thesis Supervisor	Thesis Topic
Department of Public Health	
Prof. Dr. Edit Paulik Ph.D., professor	Epidemiological characteristics of lifestyle-related diseases
Dr. Zsuzsanna Máté Ph.D., assistant professor	Effects of climate change on human health and on the environment
Dr. Gábor Oszlanczi Ph. D. assistant professor	Occurrence of Clostridiodies difficile and ppossibilities of its prevention in the clinical practice
Dr. Mária Markó-Kucsera Ph. D. assistant lecturer	Cancer distress and quality of life
Department of Pulmonology	
Chief of Scientific working group: Csaba Máthé MD, PhD Phone: +36-62-571-552 Email: mathe.csaba@med.u-szeged.hu	
Dr. Tóth Judit, PhD	Bronchoalveolar lavage in interstitial lung diseases
Dr. Tóth Judit, PhD	Diagnosis and therapy of mediastinal lymphadenomegaly
Dr. Tóth Judit, PhD	Diagnosis and therapy of sarcoidosis
Dr. Tóth Judit, PhD	Cell block analysis from pleural effusion
Dóra Paróczai MD, Ph.D	The role of netosis and NETs (neutrophil extracellular traps) in obstructive lung diseases
Dóra Paróczai MD, Ph.D	Characteristics of neutrophil cell-mediated respiratory diseases and their potential prevention options
Dóra Paróczai MD, Ph.D	Immunological characteristics and therapeutic possibilities of eosinophilic asthma
Dóra Paróczai MD, Ph.D	Effects of lung surgery with intubated and non-intubated VATS techniques from immune cells to the clinic
Prof. Dr. Moldvay Judit, head of the department, clinical oncologist, pathologist, pulmonologist	Examination of prognostic and predictive factors of lung cancer
Dr. Regina Pálföldi MD, PhD	Prognostic significance of hyponatraemia in small cell lung cancer
Dr. Regina Pálföldi MD, PhD	Treatment options for chemotherapy-induced neutropenia
Dr. Regina Pálföldi MD, PhD	Extrapulmonary manifestation in sarcoidosis
Dr. Ugocsai Katalin, PhD	Non-invasive respiratory support in acute respiratory failure
Dr. Ugocsai Katalin, PhD	Pulmonary and cardiac components of dyspnea in COPD
Department of Radiology	
Dr. Éva Bartha, PhD	Prevalence of splachnic thrombosis in acute pancreatitis

Thesis topics for 4th year medical students
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Thesis Supervisor	Thesis Topic
Department of Rheumatology and Immunology	
Dr. Csörgő-Legány Nóra egyetemi tanársegéd	Investigation of nailfold capillary microscopy pattern in secondary Raynaud's syndrome
Department of Surgery	
Prof. Dr. Lázár György head of department, professor, Doctor of Science	The complex treatment of the esophageal cancer
Prof. Dr. Lázár György head of department, professor, Doctor of Science	The clinicum and surgery of the functional esophageal disorders
Prof. Dr. Lázár György head of department, professor, Doctor of Science	New indications in the minimal invasive surgery
Prof. Dr. Lázár György head of department, professor, Doctor of Science	Minimal invasive surgery of the GI tract
Prof. Dr. Lázár György head of department, professor, Doctor of Science	Surgery of the breast cancer
Prof. Dr. Lázár György head of department, professor, Doctor of Science	Surgery of the IBD
Dr. Furák József associate professor, Ph.D.	Surgical treatment of the lung cancer
Dr. Furák József associate professor, Ph.D.	Prognostic factors in lung cancer
Dr. Furák József associate professor, Ph.D.	Surgery of the mediastinum
Dr. Paszt Attila assistant professor, Ph.D.	Surgical treatment of the recidives of the Crohn disease
Dr. Paszt Attila assistant professor, Ph.D.	The role of neoadjuvant radio-chemotherapy in the treatment of rectumours
Dr. Paszt Attila assistant professor, Ph.D.	The role of neoadjuvant radio-chemotherapy in the treatment of gastric cancer
Dr. Paszt Attila assistant professor, Ph.D.	Complex treatment and surgical aspects of GIST
Dr. Paszt Attila assistant professor, Ph.D.	Surgical treatment types of the stomach's benign and malign tumours
Dr. Farkas Gyula assistant professor, Ph.D.	The changes of surgical therapy in the treatment of CP
Dr. Farkas Gyula assistant professor, Ph.D.	The possibilities of the treatment of pancreatic cancers in the view of the duration of symptoms
Dr. Palásthy Zsolt assistant professor, Ph.D.	Reconstruction of visceral arteries
Dr. Palásthy Zsolt assistant professor, Ph.D.	Hybrid surgical treatment of lower extremity artery stenosis
Dr. Palásthy Zsolt assistant professor, Ph.D.	The possibilities of the treatment of aorta aneurisms
Dr. Palásthy Zsolt assistant professor, Ph.D.	Reconstructions of the internal carotid artery
Dr. Szederkényi Edit senior lecturer, Ph.D.	Role of patient adherence in kidney graft survival
Dr. Szederkényi Edit senior lecturer, Ph.D.	Cause of graft loss after kidney transplantation, indication for grafrectomy
Dr. Szederkényi Edit senior lecturer, Ph.D.	Incidence of urological complications after kidney transplantation
Dr. Szederkényi Edit senior lecturer, Ph.D.	The incidence of the malignant tumor after kidney transplantation
Dr. Szederkényi Edit senior lecturer, Ph.D.	Early complications after kidney transplantation
Dr. Ábrahám Szabolcs assistant professor, Ph.D.	Role of intraoperative endoscopy in the colorectal oncological surgery
Dr. Ábrahám Szabolcs assistant professor, Ph.D.	Therapy of the perianal fistula in Crohn disease
Dr. Ábrahám Szabolcs assistant professor, Ph.D.	The role of ultrasound guided drainage in the therapy of acute choletistitis
Dr. Simonka Zsolt assistant professor, Ph.D.	Application of negative-pressure wound therapy in general surgery
Dr. Simonka Zsolt assistant professor, Ph.D.	Complex surgical management of breast cancer
Dr. Simonka Zsolt assistant professor, Ph.D.	Volumetric measurement and determination of breast cancer with the use of breast MRI
Dr. Simonka Zsolt assistant professor, Ph.D.	Surgical management of acute abdominal diseases
Dr. Höhn József assistant professor, Ph.D.	Postoperative effects of Pringle maneuver after liver resections
Dr. Höhn József assistant professor, Ph.D.	The importance of CT volumetry in liver surgery
Dr. Höhn József assistant professor, Ph.D.	Liver resections due to primary and metastatic cancer
Dr. Takács Tibor senior lecturer, Ph.D.	The treatments of the aorto-iliac vascular disaeses
Dr. Takács Tibor senior lecturer, Ph.D.	The treatments of the infra inguinal vascular disaeses
Dr. Borda Bernadett senior lecturer, Ph.D.	Frequency and treatment of the anaemia after kidney transplantation
Dr. Borda Bernadett senior lecturer, Ph.D.	Frequency and treatment of surgical cimplications after kidney transplant
Dr. Borda Bernadett senior lecturer, Ph.D.	Risk factors and therapeutic facilities of newly formed diabetes mellitus after kidney transplant
Dr. Borda Bernadett senior lecturer, Ph.D.	Early and late indications of grafrectomies
Dr. Ottlakán Aurél senior lecturer, Ph.D.	Deep-seated electrochemotherapy in the treatment of soft tissue

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Thesis Supervisor	Thesis Topic
Dr. Ottlakán Aurél senior lecturer, Ph.D.	Minimally invasive surgery of the adrenal gland
Dr. Horváth Zoltán assistant professor, Ph.D.	Treatment of axilla in breast cancer
Dr. Horváth Zoltán assistant professor, Ph.D.	The impact of COVID-19 on the surgical treatment of breast cancers
Dr. Horváth Zoltán assistant professor, Ph.D.	Surgical treatment of breast cancers and axilla after neoadjuvant treatment
Dr. Mán Eszter assistant professor, Ph.D.	Effect of the introduction of Emergency Care Unit on the acute surgical care system- advantages and disadvantages of the 'one gate system'-retrospective study
Institute of Surgical Research	
Prof. Dr. habil. Mihály Boros, M.D., Ph.D., D.Sc., Dr. Marietta Poles, Ph.D., research fellow	Protective effects of biological gases in circulatory disorders.
Prof. Dr. habil. Mihály Boros, M.D., Ph.D., D.Sc., Head of Department	Effects of biological gases on ischemia-reperfusion injury <i>in vitro</i> , <i>ex vivo</i> and <i>in vivo</i> systems.
Prof. Dr. habil. Mihály Boros, M.D., Ph.D., D.Sc., Head of Department, Dr. Szabolcs Péter Tallós, Ph.D., assistant lecturer	Acting mechanism and interplay of biologically active gases in sterile inflammation and <i>in vitro</i> systems.
Dr. László Juhász, Ph.D., research fellow, Dr. Attila Rutai, Ph.D., assistant research fellow	Therapeutic possibilities of the microcirculatory and mitochondrial dysfunction in septic condition.
Dr. László Juhász, Ph.D., research fellow	Assessment of mitochondrial function in local and systemic inflammatory diseases.
Prof. Dr. habil. Mihály Boros, M.D., Ph.D., D.Sc., Head of Department, Dr. László Juhász, Ph.D., research fellow	Assessment of mitochondrial function of the enteral mucosa in physiological and pathophysiological states.
Dr. Gabriella Varga, Ph.D., senior lecturer, Dr. Dániel Ércs, Ph.D., senior lecturer	Early non-invasive diagnosis of circulatory shock induced gastrointestinal circulatory disorders.
Prof. Dr. habil. Mihály Boros, M.D., Ph.D., D.Sc., Head of Department	Non-bacterial methane production: molecular mechanism and significance in clinical diagnostics.
Dr. Gabriella Varga, Ph.D., senior lecturer, Dr. Dániel Ércs, Ph.D., senior lecturer	Examination of the complications of extracorporeal circulation on a large animal model.
Dr. Gabriella Varga, Ph.D., senior lecturer, Dr. Dániel Ércs, Ph.D., senior lecturer	Non-invasive investigation of the lung and gastrointestinal microcirculation.
Dr. László Juhász, Ph.D., research fellow, Dr. Attila Rutai, Ph.D., assistant research fellow	Effects of kynurenic acid analogues on mitochondrial function in circulatory diseases.
Dr. habil. Andrea Szabó, M.D., Ph.D., associate professor, Dr. Marietta Poles, Ph.D., research fellow	Assessment and modulation of the biochemical and microcirculatory consequences of urogenital diseases.
Dr. habil. Andrea Szabó, M.D., Ph.D., associate professor, Dr. Marietta Poles, Ph.D., research fellow	Assessment and modulation of the injury of endothelial glycocalyx caused by circulatory disorders.
Dr. habil. Andrea Szabó, M.D., Ph.D., associate professor, Dr. Marietta Poles, Ph.D., research fellow	State-of-the-art assessment methods for quantification of surgical skills.
Dr. Szabolcs Péter Tallós, PhD, assistant, professor, Dr. Attila Rutai, PhD, assistant research fellow	Formation of neurophil extracellular trap and therapeutic influence in circulatory failure.
Department of Traumatology	
Prof. Dr. habil. Endre Varga Ph. D.	Geriatric fractures
Prof. Dr. habil. Endre Varga Ph. D.	Chest wall stabilization
Prof. Dr. habil. Endre Varga Ph. D.	Navigation in trauma surgery
Prof. Dr. habil. Endre Varga Ph. D.	Pelvic fractures
Prof. Dr. habil. Endre Varga Ph. D.	Intertrochanteric fractures follow-up
Dr. Ákos Csonka clinical doctor, Ph D.	Plate osteosynthesis versus intramedullary nailing for oblique and transverse fractures of the middle third with complete displacement of the clavicle - a prospective study
Dr. Edina Butt, clinical doctor, Ph D.	Clinical follow up of radius fractures
Dr. Endre Csonka, assistant professor Ph. D.	Minimally invasive treatment of humerus and scapula fractures
Dr. Endre Csonka, assistant professor Ph. D.	Surgical treatment of proximal humerus fractures
Dr. Endre Csonka, assistant professor Ph. D.	Arthroscopic treatment of glenoid labrum injuries
Dr. Endre Csonka, assistant professor Ph. D.	Arthroscopic treatment of shoulder joint injuries
Dr. László Török Head of the Department, associate professor Ph. D., Dr. Sándor Körmöndi, clinical senior physician	Negative pressure therapy in traumatology
Dr. László Török Head of the Department, associate professor Ph. D., Dr. Sándor Körmöndi, clinical senior physician	Infection diseases in traumatology
Dr. László Török Head of the Department, associate professor Ph. D.	Injury and treatment of the anterior cruciate ligament

Thesis topics for 4th year medical students
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Thesis Supervisor	Thesis Topic
Dr. Zoltán Tóth, assistant professor Ph. D.	Treatment and rehabilitation of flexor tendon injuries
Dr. Zoltán Tóth, assistant professor Ph. D.	Peripheral nerve palsy: diagnosis, treatment and follow up
Dr. habil.Petra Hartmann, assistant professor Ph. D.	Biomarker study of polytrauma patients
Department of Urology	
Prof. Dr. Bajory Zoltán, professor	Laparoscopic urology
Dr. Fehér Ádám, specialist	Laser therapy of male genital organs
Dr. Papos István, head clinician	Reconstruction with bowel in the urology
Dr. Király István PhD, senior lecturer	Urethroplasty
Dr. Szalay István, head clinician	Kidney cancer
Dr. Király István PhD, senior lecturer	Transsexual operations
Prof. Dr. Bajory Zoltán, professor	Uro-gynecology
Dr. Király István PhD, senior lecturer	The role of cryotherapy in the management of prostate cancer
Prof. Dr. Bajory Zoltán, professor	Incontinence
Dr. Deák Gábor, specialist	Endoscopy of the upper urinary tract