

Thesis Supervisor	Thesis Topic
Department of Anesthesiology and Intensive Therapy	
Dr. Anita Korsós assistant lecturer	The role of selective thrombolysis in pulmonary embolism. Clinical audit in the Department of Anaesthesiology and Intensive Care
Prof. Dr. Barna Babik, Head of Department, professor, Dr. Ádám Balogh Ph.D.	The effect of comorbidities on intrapulmonary shunt during cardiac surgery
Prof. Dr. Barna Babik, Head of Department, professor, Dr. Ádám Balogh Ph.D.	Effects of diabetes mellitus on airway response to bronchodilators
Prof. Dr. Barna Babik, Head of Department, professor, Dr. Ádám Balogh Ph.D.	Intraoperative cerebral oxygen saturation in diabetes mellitus
Prof. Dr. Barna Babik, Head of Department, professor, Dr. Ádám Balogh Ph.D.	Noninvasive measurement of intrapulmonary shunt by transcutaneous CO2 monitoring in children
Department of Anatomy, Histology and Embryology	
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor, Tamás Bellák M. Sc., Ph.D., Assistant Professor	Effect of stem cell transplantation on the microenvironment of chronic spinal cord injury.
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor, Tamás Bellák M. Sc., Ph.D., Assistant Professor	Promoting regeneration of contused spinal cord by systemic administration of stem cells.
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor, Rebeka Kristóf M. Sc.	Investigation of inflammasome activation following spinal cord contusion injury
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor, László Gál M. Sc., Research Assistant	Intraspinal application of anti-inflammatory cytokine encoding mRNAs delivered in lipid nanoparticles following spinal cord injury.
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor, László Gál M. Sc., Research Assistant	Intraspinal application of nucleoside-modified mRNAs delivered in lipid nanoparticles following spinal cord injury.
Prof. Antal Nógrádi M.D., Ph.D., D.Sc., Dénes Török M. Sc., Research Assistant	Reinnervation of spinal ganglia following dorsal root injury
Robert Adalbert DVM., Ph.D., Assistant Professor	Mechanisms of distal axonal degeneration in long peripheral nerves: detection of tubulin protein by Western blot analysis
Robert Adalbert DVM., Ph.D., Assistant Professor	Mechanisms of distal axonal degeneration in long peripheral nerves: detection of NMNAT2 protein by Western blot analysis
Prof. András Mihály, MD., PhD., D.Sc., Beáta Krisztinné Péva, teaching assistant	Plasticity of cerebellar cortex in epilepsy
Prof. András Mihály, MD., PhD., D.Sc., Mónika Fejesné Bakos, teaching assistant	Plasticity of hippocampus in epilepsy
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	
Dr. Kiss Hedvig assistant lecturer, PhD, Prof. Dr. Pikó Bettina, professor Ph.D.	Case studies on behavioral addictions
Dr. Tari Gergely, assistant professor, PhD	Medicalization of sexuality
Szilasi Veronika research assistant, Dr. Kálmán Sára assistant lecturer, PhD	Sociocultural aspects of pain perception and management
Department of Dermatology	
Balázs Bende MD (assistant lecturer):	Dermato-oncological operations and their follow up
Erika Gabriella Kis MD, PhD (assistant professor)	Plastic surgery and evidence based medicine
Erika Gabriella Kis MD, PhD (assistant professor)	Electrochemotherapy
Erika Varga MD, PhD (assistant professor)	In vivo confocal microscopy
Erika Varga MD, PhD (assistant professor)	Dermatopathological consequences and adverse reactions of biological and targeted therapies
Győző Szolnoky MD, PhD (assistant 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
Kornélia Szabó PhD (senior scientist)	The role of the microbiome in the healthy skin and in the pathogenesis of skin diseases
Máté Manczinger MD, PhD (assistant professor)	Analysis of adaptive immune recognition in silico
Dr. Varga János (assistant professor), PhD	Surgical treatment of post-thrombotic ulcers

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
Dr. Gergely Ágoston, assistant professor	Cardiological aspects of immunological diseases
Dr. Gergely Ágoston, assistant professor	The diagnosis and treatment of pulmonary hypertension
Dr. András Mohos, assistant lecturer, teaching family doctor - Tiszasziget	The role of GP clusters in Hungarian primary care
Dr. András Mohos, assistant lecturer, teaching family doctor - Tiszasziget	Family medicine as a career option. Career choice motivations of medical students
Dr. András Mohos, assistant lecturer, teaching family doctor - Tiszasziget	Doctor-patient communication in the family practice
Dr. András Mohos, assistant lecturer, teaching family doctor - Tiszasziget	Hypertensive patients' care program in the family practice during the Covid pandemic
Dr. Zoltán Juhász – occupational health doctor	Occupational health aspects of SARS-CoV-2 infection
Dr. Zoltán Juhász – occupational health doctor	Survey of cardiovascular risk factors among university students in occupational health practice.
Dr. Lajos Mester, associate professor	Analysis of GP Partnerships' Services
Dr. Lajos Mester, associate professor	Telemedicine for General Practice
Dr. Blanka Morvai-Illés, assistant lecturer	Differential diagnosis of dyspnoea in the Primary Care setting
Dr. Blanka Morvai-Illés, assistant lecturer	Post PE (pulmonary embolism) follow up
Dr. Blanka Morvai-Illés, assistant lecturer	Post MI (myocardial infarct) follow up
Dr. Tünde Vezér, occupational health doctor	Investigation of the factors shaping influenza vaccination in SZTE students before the COVID-19 pandemic
Dr. Tünde Vezér, occupational health doctor	Investigation of hepatitis B seroconversion among SZTE medical students
Dr. Magdolna Monoki, medical specialist	Recommended vaccines for the adult in primary care
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 Institóris 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
Aliz 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, passengers)</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>

Thesis Supervisor	Thesis Topic
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
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 (<i>e.g. informed consent, assisted suicide, malpractice</i>)
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	Investigation of the functionality of cell penetrating peptides
Dr. Roberta Fajka-Boja, PhD, scientific associate	The role of ADP ribosylation in DNA repair and cell aging
Department of Internal Medicine, South Clincinal Divison	
Timea Pálfi Gurbity MD., Ph.D. email: gurbity.palfi.timea@med.u-szeged.hu	The connection between chronic lymphoid leucaemia and solid tumours
Szabolcs Modok, MD, PhD email: modok.szabolcs@med.u-szeged.hu	Current therapy of mantle cell lymphoma
Szabolcs Modok, MD, PhD email: modok.szabolcs@med.u-szeged.hu	Genetics and classification of multiple myeloma
Róbert Sepp MD, PhD email: sepp.robert@med.u-szeged.hu	Genotype-phenotype correlations in hypertrophic cardiomyopathy
Róbert Sepp MD, PhD email: sepp.robert@med.u-szeged.hu	Molecular genetics of long-QT syndrome
András Farkas MD, PhD email: farkas.andras@med.u-szeged.hu	Experimental examination of the physiology of the Langendroff-perfused guinea pig heart: the effect of column pressure on the coronary flow, left ventricular pressure, perfusion perssure, and left ventricular ejection
Prof. Attila Nemes MD, PhD email: nemes.attila@med.u-szeged.hu	The role of 3-dimensional speckle-tracking echocardiography in clinical decision making.
Klára Piukovics MD, PhD email: piukovics.klara@med.u-szeged.hu	Infectious complications following autologous stem cell transplantation
Maté Vámos MD, PhD email: vamos.mate@med.u-szeged.hu	Modern cardiac resynchronisation therapy
Maté Vámos MD, PhD email: vamos.mate@med.u-szeged.hu	The new technologies of transvenous lead extraction
Maté Vámos MD, PhD email: vamos.mate@med.u-szeged.hu	Current issues of anticoagulant therapy for patients undergoing implantation of pacemakers and defibrillators
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 Medical Biology	
Prof. Zsolt Boldogkői (MSc., PhD., DSc.) university professor and Dr. habil. Dóra Tombác (MSc. PhD.) associate professor	Host-Microbe Interactions in Obesity and Comorbidities
Prof. Zsolt Boldogkői (MSc., PhD., DSc.) university professor and Dr. habil. Dóra Tombác (MSc. PhD.) associate professor	Transcriptional analysis of herpesviruses
Prof. Zsolt Boldogkői (MSc., PhD., DSc.) university professor and Dr. habil. Dóra Tombác (MSc. PhD.) associate professor	Analysis of Transcriptional Interference Networks (TINs)

Thesis Supervisor	Thesis Topic
Department of Medical Chemistry	
Dr. Gábor Tóth full 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	Synthesis and examination of multiple disulfide bond-containing antifungal peptides
Dr. Györgyi Váradi associate professor	Investigation of structure-activity relationships of antifungal peptides
Dr. Györgyi Váradi associate professor, Dr. János Szolomájer assistant professor	Application of native chemical ligation for the synthesis of polypeptides and proteins
Dr. Tamás Janáky Tamás full professor	Quantitative proteomic studies of ABC transporters.
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 Szabó assistant professor	Identification of protein biomarkers using the methods of proteomics.
Dr. Zoltán Szabó assistant professor	Development of liquid chromatography and mass spectrometry methods for quantitative determination of proteins.
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	Blocking of protein-protein interactions, development of novel potential drug molecules
Dr. Tamás Martinek full professor, head of department	Cell delivery of therapeutic macromolecules
Department for Medical Communication and Translation Studies	
Asztalos-Zsembergy Eszter MA, university junior lecturer, predoc.	The language of mediation between non-native English doctors and non-native English students
Brandl Gergely MA, university junior lecturer, predoc.	History of Medicine and the healthcare system via key texts
Csenki-Bózsó Réka MA, university junior lecturer, predoc.	The psycholinguistic aspects of early language acquisition
Kruták Anita, MA, medical language expert, predoc.	Medicine in the Middle Ages in the light of narrative sources
Rápoltiné dr. habil. Keresztes Csilla MA PhD, university associate professor	Barriers in doctor–patient intercourse
Skadra Margit MA, university junior lecturer, predoc.	1. Communication barriers in the German healthcare system 2. The effect of the COVID-19 pandemic on the doctor-patient communication
Stötzer Andrea MA, university junior lecturer, predoc.	Learning strategies in medical schools
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. Horváth Emese Ph.D., Dr. Németh Balázs Ph.D	The significance of genetic counselling in pancreatitis
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

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
Dezső Virók, associate professor, MD, Ph.D.	Urogenital tract infections caused by <i>Chlamydia trachomatis</i>
Dezső Virók, 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.	Bacteriophages
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
Department of Medical Physics and Informatics	
Dr. Égerházi László Ph.D, assistant professor	Reliability and reproducibility of vital signs measured with smart devices
Dr. Égerházi László Ph.D, assistant professor, Dr. Fodor Gergely Ph.D, assistant professor	3D printed coloured anatomical structures for educational purposes
Dr. Fodor Gergely Ph.D, assistant professor	Respiratory mechanical investigations in small animal models
Dr. Lücl János Ph.D, assistant professor	The analysis of the ictal-interictal continuum in acute and subacute encephalopathy
Dr. Márki Árpád Ph.D, assistant professor, Dr. Nagy Attila Ph.D, assistant professor	3D printing in medicine and patient care
Dr. Márki Árpád Ph.D, assistant professor, Dr. Nagy Attila Ph.D, assistant professor	Possible uses of virtual reality in patient care and rehabilitation
Dr. Nyári Tibor Ph.D, habilitation, associate professor	Investigation of trends in mortality rates in Hungary
Dr. Tolnai József Ph.D, assistant professor	Telemedicine Applications

Thesis Supervisor	Thesis Topic
Department of Neurology	
Dr. Annus Ádám, teaching assistant	Prognostic biomarkers in acute ischaemic stroke
Dr. Bencsik Krisztina, associate professor	Clinical aspects of multiple sclerosis
Dr. Dézsi Livia, teaching assistant	Polyneuropathies. Myasthenia gravis. Muscular dystrophias.
Dr. Faragó Péter, teaching assistant	Neuroimaging and neurophysiological investigations in neurology.
Dr. Füvesi Judit, assistant professor	Treatment of spasticity with intrathecal baclofen pump.
Dr. Füvesi Judit, assistant professor	Quality of life studies in multiple sclerosis.
Dr. Gárdián Gabriella, teaching assistant	Use of botulinum toxin in neurological diseases
Dr. Gárdián Gabriella, teaching assistant	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. Párdutz Árpád, associate professor	Animal models of trigeminovascular activation.
Dr. Rajda Cecília, associate professor	Clinical signs and therapy of epilepsy.
Dr. Rajda Cecília, associate professor	Neurological autoimmune diseases
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	Neuroimaging and epidemiology investigations in migraine and stroke.
Dr. Szok Délia, associate professor	Special aspects of epilepsy syndromes.
Dr. Szok Délia, associate professor	Primary headache disorders: classification, diagnostics and therapy.
Dr. Szpisjak László, teaching assistant	Hereditary ataxias.
Dr. Tajti János, university professor	Pathomechanism of primary headache disorders.
Dr. Tuboly Gábor, assistant professor	Modelling and therapy of chronic and neuropathic pain.
Dr. Ungureán Aurélia, clinician	Differential diagnostics of facial pain.
Dr. Zádori Dénes, associate professor	Clinical features and pathomechanism of neurodegenerative diseases.
Dr. Zádori Dénes, associate professor	Neurochemical methods in neurological disorders and their animal models
Department of Neurosurgery	
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Varga Ádám (senior clinical doctor)	Surgical treatment of trigeminal neuralgia
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Fischer-Szatmári Tamás (resident)	Skull base tumor surgeries, with emphasis on craniofacial region tumors Ethical approval number:4880/2020
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Watfa Kerim (neurosurgeon)	Significant internal carotid artery stenosis treatment options (theory & rational)
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Watfa Kerim (neurosurgeon)	Surgical treatment options for cerebral hypoperfusion
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Balázsfi Márton (senior clinical doctor)	Hydrocephalus internus, normal pressure hydrocephalus – diagnostic methods and treatment.
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Németh Tamás (senior clinical doctor)	Flow modification principle and its application in the treatment of aneurysms.
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Németh Tamás (senior clinical doctor)	Mechanical thrombectomy
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Elek Péter (clinical doctor)	Degenerative cervical spine diseases and treatment methods
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Tóth Tamás (senior clinical doctor)	Indications of stabilization techniques in degenerative lumbar spine diseases
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Mencser Zoltán (clinical doctor)/ Dr. Tóth Tamás (senior clinical doctor)	Minimal invasive lumbar spine surgery: types, techniques and approaches
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Mencser Zoltán (clinical doctor)	Treatment options of hydrocephalus

Thesis Supervisor	Thesis Topic
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, specialist of nuclear medicine and radiology, MD, Ph.D.	Multidisciplinary Approach of the Imaging of Autoimmune disease
Dr. Besenyi Zsuzsanna, specialist of nuclear medicine and radiology, MD, Ph.D.	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, specialist of nuclear medicine and radiology, MD	Quantitative assesment of liver function using hepatobiliary hibrid imaging
Dr. Besenyi Zsuzsanna, specialist of nuclear medicine and radiology, MD	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. Németh Gábor, university professor, head of department	The role of endoscopy in general gynecology
Prof. Dr. Orvos Hajnalka, university professor	Epidemiology of preterm birth and its prevention
Dr. Keresztúri Attila, associate professor	The role of metformin in gynecological tumors
Dr. Keresztúri Attila, associate professor	Up-to-date diagnostics and therapy of endometriosis
Dr. Keresztúri Attila, associate professor	Ultrasonographic examinations in obstetrics
Dr. Novák Tibor, associate professor	Study of the relation between pregnancy and maternal dental diseases.
Dr. Novák Tibor, associate professor	Preterm delivery. Threatening preterm delivery
Dr. Novák Tibor, associate professor	Cardiovascular changes in pregnancy
Dr. Bitó Tamás, associate professor	Analysis of vaginal smear in case of preterm deliveries.
Dr. Bitó Tamás, associate professor	Expected incidence of gestational diabetes mellitus using different diagnostic criteria.
Dr. Bitó Tamás, associate professor	Evaluation of adverse pregnancy outcome in case of gestational diabetes mellitus.
Dr. Bitó Tamás, associate professor	Evaluation of incidence and background of stillbirth.
Dr. Sikovanyecz János, associate professor	Evaluation of urogenital abnormalities among terminated pregnancies in the II. trimester.
Dr. Sikovanyecz János, associate professor	The management of monochorionic twin pregnancy
Dr. Kalmár László, clinical head physician	Operative therapy in malignant gynecology diseases and life quality
Dr. Gyurkovits Zita, assistant professor	Prevalence of congenital anomalies
Dr. Gyurkovits Zita, assistant professor	Hearing screening in newborns
Dr. Gyurkovits Zita, assistant professor	Congenital central nervous system malformations
Dr. Pásztor Norbert, assistant professor	Cervical ripening in postdate pregnancies: outcomes and affecting factors
Dr. Pál Zoltán, assistant professor	Psychiatric changes in the perimenopausal period
Dr. Gáspár-Surányi Andrea, senior research fellow	The effect of oral contraceptives for endometrium thickness - ultrasound investigations
Dr. Gáspár-Surányi Andrea, senior research fellow	The correlation between the gestational diabetes mellitus and fetal development.
Dr. Gáspár-Surányi Andrea, senior research fellow	The effect of maternal blood hypertension for fetal development.
Dr. Molnár András, teaching assistant	The treatment of polycystic ovary syndrome.
Dr. Altorjay Ábel, teaching assistant	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. Végh Mihály associate professor, PhD, habil	Benefits of wearing daily disposable contact lenses
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	Metamorphopsia assessment after pars plana vitrectomy for rhegmatogenous retinal detachment
Dr. Sohár Nicolette assistant professor, PhD	Complications of juvenile uveitis
Dr. Vizvári Eszter assistant professor Ph.D.	Treatment of diabetic maculopathy
Dr. Kovács Attila teaching assistant, PhD	Optical coherence tomography biomarkers in wet age -related macular degeneration
Dr. Smeller Lilla	Modern diagnostic tools in the diagnosis of uveitis
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
Dr. János Jarabán senior lecturer	Audiological examinations of bone anchored hearing aid systems
Dr. János Jarabán 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 therapeutic options in peripherae n. facialis palsy
Dr. Ádám Perényi – senior lecturer	Implanted devices and imaging diagnostics in ENT – what examinations can be performed with what expectations and limitations?
Dr. Ádám Perényi – senior lecturer	Speech discrimination, directional hearing, quality of life, social status and satisfaction of patients with cochlear implants
Dr. Ádám 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	Electrophysiology measurements of Cochlear Implant (CI)
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 hungarian speechtest
Rebeka Anna Schulcz psychologist	Quality of life among hearing aid users

Thesis Supervisor	Thesis Topic
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. Kóvári 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. Sejbén Anita/Dr. Zombori Tamás	Immunophenotype of triple negative breast cancer
Dr. Sejbén Anita/Dr. Zombori Tamás	Prognostic factors of triple negative breast cancer
Dr. Sejbén Anita/Dr. Zombori Tamás	Evaluation of regression grading systems in patients who received neoadjuvant therapy
Dr. Sejbén Anita/Dr. Zombori Tamás	Prognostic factors of neoadjuvant therapy receiving 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
Zsófia Mezei, associate professor, MD, PhD	Role of platelets in the pathophysiological processes
Zsófia Mezei, associate professor, MD, PhD	Role of human platelets in the pathomechanism of neurological disorders
Zsófia Mezei, associate professor, MD, PhD	Examination of intracellular processes in diabetic rat platelets
Zsófia Mezei, associate professor, MD, PhD	Examination of intracellular processes in platelets of rats with heart failure
Miklós Jászberényi, associate professor, MD, PhD, DSc, Gyula Telegdy, emeritus professor, MD, PhD, DSc, HAS	The Pathophysiology of Alzheimer's Disease
Miklós Jászberényi, associate professor, MD, PhD, DSc, Gyula Telegdy, emeritus professor, MD, PhD, DSc, HAS	The role of neuropeptide mediators in the control of affective, emotional and cognitive processes
Miklós Jászberényi, associate professor, MD, PhD, DSc, Gyula Telegdy, emeritus professor, MD, PhD, DSc, HAS	The Effect of Neuropeptides on the Hypothalamus-Pituitary-Adrenal system
Zsolt Bagosi, senior assistant professor, MD, PhD	The role of CRF and urocortins in social interaction
Zsolt Bagosi, senior assistant professor, MD, PhD	The role of CRF and urocortins in drug addiction
Zsolt Bagosi, senior assistant professor, MD, PhD	The effects of neuropeptides on hypothalamic neurohormones
Zsolt Bagosi, senior assistant professor, MD, PhD	The effects of neuropeptides on extra-hypothalamic neurotransmitters
Krisztina Anna Csabafi, senior assistant professor, MD, PhD	The effect of kisspeptin on amyloid-beta neurotoxicity
Krisztina Anna Csabafi, senior assistant professor, MD, PhD	Effect of Kisspeptins on carbohydrate metabolism
Krisztina Anna Csabafi, senior assistant professor, MD, PhD	Effect of neuropeptides on nociception and morphine induced analgesia, tolerance
Krisztina Anna Csabafi, senior assistant professor MD, PhD, Katalin Eszter Ibos, PhD student, MD	Role of neuropeptides in anxiety and the development of anxious phenotype
Zoltán Rakonczay, Chairman, MD, PhD DSc, Lóránd Kiss, research associate, PhD	The pathomechanism of experimental acute pancreatitis and therapeutic investigations
by agreement with the supervisor	Any topic from Pathophysiology

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	Treatment and genetic background of rare thyroid disorders
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	Phenotypic characteristics of Crohn disease/colitis ulcerosa in our practice
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 alpha therapy in our practice with IBD treatment
Dr. Takács Andrea	Indication for endoscopic retrograde cholangiopancreatography (ERCP) during childhood
Dr. Mari Judit	Ophthalmology Screening on the Neonatal Unit
Dr. Mari Judit	Microbiological surface swabs' role in early onset sepsis
Dr. Kiss Judit	Pain management in neonatology
Dr. Kiss Judit	Neonatal seizure, diagnosis and prognosis among NICU patients
Dr. Kiss Judit	Chosen topic of interest in Neonatal Care
Dr. Bereczki Csaba	Short and long term outcome after kidney transplantation in children
Dr. Jakab Dániel	Primary tubulopathies
Dr. Szabó Hajnalka	Chosen topic of interest in Paediatric Pulmonology
Dr. Blázsó Péter	Prevalence of immunodeficiencies among the new immunology outpatients and its consequences
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. Rácz Gábor	Expanded newborn screening: experiences from the first 10 years
Dr. Kapornai Krisztina, PhD, associate professor	Risk factors of childhood-onset depression
Dr. Kiss Enikő PhD, assistant professor	Risk and protective factors in childhood and adolescent psychiatric problems
Dr. Tóth Anett PhD, psychologist	Obsessive-compulsive disorder (OCD)
Dr. Kaczvinsky Emília, clinical head physician	PTSD and its treatment
Dr. Dochnál Roberta, teaching assistant	Non-suicidal self-injury in children and adolescents
Dr. Szabó Krisztina, teaching assistant	Cognitive-behavioral treatment of ADHD
Kakuszi Szilvia, clinical psychologist	Eating disorders
Dr. Pintér Sarolta, clinical doctor	Adolescent antecedents of personality disorders

Thesis Supervisor	Thesis Topic
Department of Pharmacology and Pharmacotherapy	
<p>Thesis coordinator: Dr. Zoltán Husti PhD 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</p>	
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 atrial fibrillation. Authority approval file number: CSI/01/3330-4/2017; approval number: XIII/3330/2017
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	The effect of ethanol and cigarette smoking on esophageal epithelial cells. (Authority approval is in process)
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. János Prorok PhD	Electrophysiological study of cardioactive compounds by in vitro experimental techniques (Authority approval is not needed)
Dr. med. habil. Péter Bencsik assistant professor, PhD	Biochemical mechanism of the ischemic adaptation of the myocardium /Authority approval No. XXVIII./171/2018.
Dr. med. habil. Péter Bencsik assistant professor, 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. med. habil. Péter Bencsik assistant professor, PhD	Investigation of cardioprotective mechanisms against reperfusion injury after myocardial infarction / Authority approval No. XXVIII./171/2018
Dr. med. habil. Péter Bencsik assistant professor, PhD	Effects of hyperlipidemia on ischemic adaptation of the heart / Authority approval No. XXVIII./171/2018.
Dr. med. habil. Péter Bencsik assistant professor, 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. med. habil. Péter Bencsik assistant professor, PhD	Role of capsaicin-sensitive nerves in adaptation of the heart / Authority approval No. XXVIII./171/2018.
Dr. med. habil. Péter Bencsik assistant professor, 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. med. habil. Anikó Görbe assistant professor, PhD	Cardiocytoprotection in in vitro cell culture models (Authority approval is not needed)
Dr. med. habil. Anikó Görbe assistant professor, PhD	Ischemic conditioning on stem cell-derived cardiac myocytes (Authority approval is not needed)
Dr. med. habil. Anikó Görbe assistant professor, 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	Pharmacology of inflammatory bowel diseases (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)

Thesis Supervisor	Thesis Topic
Department of Physiology	
Dr. Bodosi Balázs, assistant professor, PhD, Dr. Nagy Attila, associate professor, PhD	Sleep research on rats
Dr. Berényi Antal, assistant professor, PhD	Investigation of neuronal network dynamics with high-resolution approaches
Dr. Berényi Antal, assistant professor, PhD	Application of focused transcranial electrical stimulation in epileptic animal models
Dr. Domoki Ferenc, associate professor, PhD, Dr. Remzső Gábor, research assistant, 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, associate professor, PhD, Tóthné Dr. Rosta Judit, assistant professor, PhD	Study of the sensory and vascular functions of the dura mater encephali in an experimental model of migraine headache
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, assistant professor, PhD	Electrophysiological investigation of implicit learning
Karcsoné Dr. Kis Gyöngyi, assistant professor, PhD	Expression changes in the primary sensory neurons in animal models of neuropathic and inflammatory pain
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. Kovács Viktória, assistant professor, PhD	Molecular mechanisms of neuroprotection in a translational pig model of neonatal hypoxic-ischemic encephalopathy
Dr. Mezei Zsófia, associate professor, PhD	The role of platelets in the body's defense responses
Dr. Nagy Attila, associate professor, PhD	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. Sántha Péter, associate professor, PhD	Pathobiology of peripheral nerve injuries
Dr. Sántha Péter, associate professor, PhD	Neurobiology of pain
Dr. Sárosi Gyula, Head of Department, professor, Doctor of Science	Neuroscience of language.
Tóthné Dr. Rosta Judit, assistant professor, PhD	Investigation of the trigeminal system in the pathomechanism of vasospasm following subarachnoid hemorrhage in an animal model.
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	
János Kálmán Professor and Head of Department, MD. PhD. DSc	The neuroimmunological aspects of schizophrenia
János Kálmán Professor and Head of Department, MD. PhD. DSc	The neuroimmunological aspects of depression
János Kálmán Professor and Head of Department, MD. PhD. DSc	The neuroimmunological aspects of Alzheimer's disease
János Kálmán Professor and Head of Department, MD. PhD. DSc	The connectivity disfunctions in schizophrenia
János Kálmán Professor and Head of Department, MD. PhD. DSc	Stress and gut-brain axis
János Kálmán Professor and Head of Department, MD. PhD. DSc	Anxiety, depression and gut-brain axis
János Kálmán Professor and Head of Department, MD. PhD. DSc	The role of the default mode network in schizophrenia
János Kálmán Professor and Head of Department, MD. PhD. DSc	The role of the default mode network in depression
János Kálmán Professor and Head of Department, MD. PhD. DSc	The role of the default mode network in Alzheimer's disease
János Kálmán Professor and Head of Department, MD. PhD. DSc	Language disfunctions in neurocognitive disorders
János Kálmán Professor and Head of Department, MD. PhD. DSc	Language disfunctions in Alzheimer's disease
János Kálmán Professor and Head of Department, MD. PhD. DSc	Psychotic disorders in the peripartum period
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 Álmós MD, PhD. assistant professor	Examination of habitual and goal-directed behavior in depression
Péter Zoltán Álmós MD, PhD. assistant professor	Anomie and suicide among physicians
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

Thesis Supervisor	Thesis Topic
Zoltán Terenyi MD. PhD. psychotherapist, psychiatrist consultant	Analysing media representations of psychiatric problems
Magdolna Pákási MD. PhD. senior research fellow	Application of anti dementia medications in memory clinic of Szeged
Magdolna Pákási MD. PhD. senior research fellow	Incidence and characteristics of mild cognitive impairment in memory clinic of Szeged
Magdolna Pákási MD. PhD. senior research fellow	Incidence of conversion of mild cognitive impairment to dementia in patients cared in memory clinic of Szeged
Magdolna Pákási MD. PhD. senior research fellow	Incidence of behavioural and psychiatric symptoms (BPSD) in patients cared in memory clinic of Szeged
Bence András Lázár MD. PhD. assistant professor	Role of neuronal insulin receptors in the central nervous system
Bence András Lázár MD. PhD. assistant professor, Bálint Andó PhD. assistant professor, clinical psychologist	Detailed analysis of alcohol withdrawal syndrome
Bence András Lázár MD. PhD. assistant professor, Bettina Kata Kádár MD. specialist in psychiatry	Neuro-morphological background of neuropsychiatric disorders
Bence András Lázár MD. PhD. assistant professor, Bettina Kata Kádár MD. specialist in psychiatry	Metabolic side effects of antipsychotic treatment
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	Key features of alcohol use disorder
Sára Kálmán MD. PhD. assistant lecturer, Ildikó Kovács PhD resident in clinical psychology	Psychodiagnostics of premenstrual dysphoric disorder
Sára Kálmán MD. PhD. assistant lecturer, Ildikó Kovács PhD resident in clinical psychology	Neuromodulation techniques in psychiatric disorders
Gábor Sándor Bálint MD, PhD, DSc professor emeritus	Malaria cases in Hungary
Gábor Sándor Bálint MD, PhD, DSc professor emeritus	Multiresistant TBC among tropical circumstances
Gábor Sándor Bálint MD, PhD, DSc professor emeritus	On the basis of a preliminary permission any suitable subject in the field of Tropical Medicine
Erika Tóth MD. assistant lecturer, psychotherapist; Bálint Andó PhD. assistant professor, clinical psychologist	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
Bernadett Ildikó Gál licensed health psychologist	Stigmatization of patients with schizophrenia in the health care system
Bernadett Ildikó Gál licensed health psychologist	The impact of burden of disease to prognosis and recovery in families of patients lived with schizophrenia
Bernadett Ildikó Gál licensed health psychologist	Healthy mistrust or maladaptive cognitive distortion? - Mechanisms of deception detection

Thesis Supervisor	Thesis Topic
Department of Public Health	
Prof. Dr. Edit Paulik Ph.D., professor	Epidemiological characteristics of COVID-19 pandemic
Dr. habil. András Papp Ph.D., associate professor	Analysis of an environmental health issue relevant to Europe or to the student's home country.
Dr. Regina Molnár Ph.D., assistant professor	The family-professional roleconflict among female doctors
Dr. Zsuzsanna Máté Ph.D., assistant professor	Health effects of breastfeeding.
Dr. Zsuzsanna Máté Ph.D., assistant professor	Epidemiology of breast cancer
Dr. Ágnes Maróti-Nagy Ph.D., assistant lecturer	The role of ketogenic diet in the prevention of lifestyle-related diseases
Dr. Gábor Oszlanczi Ph.D., assistant lecturer	The effect of artificial sweeteners on human health
Csaba Erdős, assistant lecturer	Sociodemographic and sociocultural characteristics of sexual health.
Csaba Erdős, assistant lecturer	Disease and stigmatisation
Department of Pulmonology	
Chief of Scientific working group: Csaba Máthé MD, PhD Phone: +36-62-571-552 Email: mathe.csaba@med.u-szeged.hu	
Csaba Máthé MD, PhD	Cisplatin nephrotoxicity
Csaba Máthé MD, PhD	Lung cancer rehabilitation
Csaba Máthé MD, PhD	Rehabilitation in COPD
Csaba Máthé MD, PhD	Cytotoxic drugs side effects
Csaba Máthé MD, PhD	Chest ultrasound
Csaba Máthé MD, PhD	Inhalation therapy in COPD and asthma
Prof. Attila Somfay MD, Imre Lajkó MD, Krisztián Aranyász PT	Endurance and strength breathing tarining int the rehabilitation of COPD patients
Prof. Attila Somfay MD, Imre Lajkó MD	Role of ergospirometry in assessment of exercise tolerance in chronic respiratory diseases
Prof. Attila Somfay MD, Imre Lajkó MD	Lung function abnormalities in systemic autoimmune diseases
Edit Csada MD	Endobronchial ultrasound
Edit Csada MD	Combined bronchological sampling techniques in lung cancer diagnosis
Edit Csada MD	Postoperative follow-up and treatment of patients with stage I and II lung cancer
Edit Csada MD	Bronchoalveolar lavage in interstitial lung diseases (ILD)
Edit Csada MD, Klára Szalontai MD	Diagnosis and treatment of sarcoidosis
Edit Csada MD, Klára Szalontai MD	Diagnosis and treatment of mediastinal lymphadenomegaly
Klára Szalontai MD	Immunotherapy in NSCLC (non small cell lung cancer)
Klára Szalontai MD	Treatment of lung adenocarcinoma with EGFR mutation
Klára Szalontai MD	Efficacy of Nintedanib + Docetaxel therapy in lung cancer
Klára Szalontai MD	Chemoradiotherapy in lung cancer
Katalin Barna MD	Role of transbrochial needle aspiration (TBNA) nt he diagnosis of lung cancer
Katalin Barna MD	Treatment of pleuritis carcinomatosa
Katalin Barna MD	The role of best supportive care in improving quality of life of lung cancer patients
Regina Pálföldi MD, PhD	Hyponatraemia as a prognostic factor in SCLC (small cell lung cancer)
Regina Pálföldi MD, PhD	Chemotherapy induced neutropenia and its treatment
Regina Pálföldi MD. PhD	Extrapulmonary manifestation in sarcoidosis
Gábor Ádám MD	Sreening of sleep apnoe with polygraph

Thesis Supervisor	Thesis Topic
Department of Rheumatology and Immunology	
Dr. Hemelein Rita teaching assistant	Assessment of the value of a novel hybrid imaging technique in scleroderma patients
Dr. Hulló Daniella clinician	The ultrasound examination of various organ manifestations of systemic autoimmune diseases
Dr. Bodor Gergely resident, Prof. Dr. Kovács László university professor, head of department	B-cell depleting monoclonal antibody treatment in systemic lupus erythematosus - what is the optimal strategy?
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 invasiv 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
Prof. Dr. Petri András professor, Ph.D.	The surgical treatment of the focal benign liver tumors
Prof. Dr. Petri András professor, Ph.D.	Complex treatment of the liver abscesses
Prof. Dr. Petri András professor, Ph.D.	Surgery of the liver metastasis of the colorectal cancer
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 assistant professor, Ph.D.	Role of patient adherence in kidney graft survival
Dr. Szederkényi Edit assistant professor, Ph.D.	Incidence of urological complications after kidney transplantation
Dr. Szederkényi Edit assistant professor, Ph.D.	The incidence of the malignant tumor after kidney transplantation
Dr. Szederkényi Edit assistant professor, Ph.D.	Results of the marginal Kidneys transplanted patients
Dr. Szederkényi Edit assistant professor, 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 assistant professor, Ph.D.	The treatments of the aorto-iliac vascular disaeses
Dr. Takács Tibor assistant professor, Ph.D.	The treatments of the inguinal vascular disaeses

Thesis Supervisor	Thesis Topic
Dr. Borda Bernadett assistant professor, Ph.D.	Frequency and treatment of the anaemia after kidney transplantation
Dr. Borda Bernadett assistant professor, Ph.D.	Causes, diagnosis and presentation of the DM after kidney transplantation
Dr. Ottlakán Aurél assistant professor, Ph.D.	Electrochemotherapy in general surgery
Dr. Ottlakán Aurél assistant professor, Ph.D.	Minimally invasive surgery of the adrenal gland
Dr. Horváth Zoltán teaching assistant, Ph.D.	Treatment of axilla in breast cancer
Institute of Surgical Research	
Prof. Dr. habil. Mihály Boros, M.D., Ph.D., D.Sc., Head of Department, Dr. Gabriella Varga, Ph.D., senior lecturer	Pathomechanism of the small bowel ischemia-reperfusion. <i>In vivo</i> examinations with confocal laser scanning endomicroscopy.
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, Dr. Tamara Horváth, Ph.D., assistant research fellow	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	Examination of the effects of low intensity laser light and shock wave therapies during regeneration processes.
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. Tamara Horváth, Ph.D., assistant research fellow	Examination of the effects of preservation solutions on cold ischemic damage in <i>ex vivo</i> liver transplantation.
Dr. Tamara Horváth, Ph.D., assistant research fellow	Examination of the behavioural effects of medicinal and other active substances.
Department of Traumatology	
Prof. Dr. Endre Varga Ph. D.	Geriatric fractures
Prof. Dr. Endre Varga Ph. D.	Chest wall stabilization
Prof. Dr. Endre Varga Ph. D.	Navigation in trauma surgery.
Dr. Endre Csonka clinical senior physician Ph. D.	Clinical follow up of radius fractures.
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. Ákos Csonka Ph.D., assistant professor	Treatment options for interprosthetic and periimplant fractures
Dr. László Török Head of the Department, associate professor Ph.D.	Injury and treatment of the anterior cruciate ligament
Dr. Zoltán Tóth clinical senior physician Ph.D.	Post-traumatic carpal instability: treatment and follow up
Dr. Zoltán Tóth clinical senior physician Ph.D.	Treatment and rehabilitation of flexor tendon injuries
Dr. Zoltán Tóth clinical senior physician Ph.D.	Peripheral nerve palsy: diagnosis, treatment and follow up
Dr. Petra Hartmann clinical senior physician Ph. D.	Biomarker study of polytrauma patients

Thesis Supervisor	Thesis Topic
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. Hajdú Erzsébet specialist	Endoscopy of the upper urinary tract
Dr. Király István PhD, senior lecturer	The role of cryotherapy in the management of prostate cancer
Prof. Dr. Bajory Zoltán, professor	Incontinence