

Thesis Supervisor	Thesis topic
<b>Department of Anesthesiology and Intensive Therapy</b>	
Dr. Korsós Anita 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. Balogh Ádám Ph.D., resident	Changes in haemostasis in COVID-19 patients: increased D-dimer and fibrinolysis shutdown
Prof. Dr. Barna Babik Head of Department, professor, Dr. Balogh Ádám Ph.D., resident	Effects of diabetes mellitus on airway response to bronchodilators
Prof. Dr. Barna Babik Head of Department, professor, Dr. Balogh Ádám Ph.D., resident	Intraoperative cerebral oxygen saturation in diabetes mellitus
Prof. Dr. Barna Babik Head of Department, professor, Dr. Balogh Ádám Ph.D., resident	Effects of pH management during cardiac surgery on postoperative cognitive function
Prof. Dr. Barna Babik Head of Department, professor, Dr. Balogh Ádám Ph.D., resident	Noninvasive measurement of intrapulmonary shunt by transcutaneous CO2 monitoring in children
<b>Department of Anatomy, Histology and Embryology</b>	
Prof. Antal Nógrádi M.D., Ph.D., D.Sc. and Dr. Krisztián Pajer M.Sc., Ph.D., Assistant Professor	Regeneration after injury of the peripheral nervous system in PRMT8 +/- motoneuron disease model.
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor and Zoltán Fekécs M. Sc., Teaching Assistant	Effect of stem cell transplantation on the microenvironment of chronic spinal cord injury.
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor and Tamás Bellák M. Sc., Teaching Assistant	Promoting regeneration of contused spinal cord by systemic administration of stem cells.
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor and László Gál M. Sc., Research Assistant	Analysis of expression kinetics of nucleoside-modified mRNA delivered in lipid nanoparticles in the central nervous system
Dr. Krisztián Pajer M. Sc., Ph.D., Assistant Professor and 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 and 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. and Dénes Török M. Sc., Research Assistant	Reinnervation of spinal ganglia following dorsal root injury
Prof. László Siklós M.Sc., Ph.D., D.Sc. (Institute of Biophysics, Biological Research Centre) and Dr. Krisztián Pajer M.Sc., Ph.D., Assistant Professor	Investigation of immunological and inflammatory processes in neurodegenerative models.
Prof. László Siklós M.Sc., Ph.D., D.Sc. (Institute of Biophysics, Biological Research Centre) and Dr. Krisztián Pajer M.Sc., Ph.D., Assistant Professor	Investigation of ultrastructural and microanalytical changes during motoneuron lesions.
Robert Adalbert DVM., Ph.D., Assistant Professor, Erzsébet Pór, teaching assistant	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
<b>Department of Aviation and Space Medicine</b>	
Prof. Dr. Grósz Andor, CSc. Professor	Aviators' visuomotor work abilities in hypobaric hypoxia.
Prof. Dr. Grósz Andor, CSc. Professor	Certain aspects of visual information processing during workload in aviators.
<b>Department of Behavioural Science</b>	
Prof. Dr. Pikó Bettina, professor Ph.D.	Nutrition and culture: medical anthropological approach
Tari Gergely, assistant lecturer	Ethical issues of the SARS-CoV-2 pandemic
<b>Department of Dermatology</b>	
Dr. Varga János senior lecturer, Ph.D.	Surgical treatment of post-thrombotic ulcers
Győző Szolnoky MD, PhD (assistant professor):	The examination of lymphatic and venous insufficiencies and their cardiovascular influence
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
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

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Máté Manczinger MD, PhD (assistant professor):	Analysis of adaptive immune recognition in silico
Erika Gabriella Kis MD, PhD (assistant professor):	Plastic surgery and evidence based medicine
Erika Gabriella Kis MD, PhD (assistant professor):	Electrochemotherapy
Balázs Bende MD (assistant lecturer):	Dermato-oncological operations and their follow up
<b>Department of Family Medicine</b>	
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, teaching family doctor - Tiszasziget	The role of GP clusters in Hungarian primary care
Dr. András Mohos, teaching family doctor - Tiszasziget	Diabetic patients' care program in the family medicine
Dr. András Mohos, teaching family doctor - Tiszasziget	Family medicine as a career option. Career choice motivations of medical students
Dr. András Mohos, teaching family doctor - Tiszasziget	Screening of Hepatitis C Virus in the family practice
Dr. Zoltán Juhász - occupational health doctor	Occupational health aspects of communicable disease prevention
Dr. Zoltán Juhász - occupational health doctor	Survey of cardiovascular risk factors among university students in occupational health practice
Dr. Lajos Mester, associate professor	Consultation techniques in the relation of the doctor and patient
Dr. Lajos Mester, associate professor	Analysis of GP Partnerships' Services
Dr. Lajos Mester, associate professor	Telemedicine for General Practice
Dr. Blanka Morvai-Illés, medical specialist	Differential diagnosis of dyspnoea in the Primary Care setting
Dr. Blanka Morvai-Illés, medical specialist	Post PE (pulmonary embolism) follow up
Dr. Blanka Morvai-Illés, medical specialist	Post MI (myocardial infarct) follow up
<b>Department of Internal Medicine, South Clinical Division</b>	
Timea Pálfi Gurbity MD., Ph.D. email: gurbity.palfi.timea@med.u-szeged.hu	The connection between chronic lymphoid leukaemia 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	Do arrhythmia definitions determine the results of arrhythmia studies?
András Farkas MD, PhD email: farkas.andras@med.u-szeged.hu	Is a single ECG lead sufficient for proarrhythmia investigations?
András Farkas MD, PhD email: farkas.andras@med.u-szeged.hu	Experimental examination of the physiology of the Langendorff-perfused guinea pig heart: the effect of column pressure on the coronary flow, left ventricular pressure, perfusion pressure, 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
<b>Department of Internal Medicine, West Clinical Division</b>	
Prof. Dr. Czákó László DSc, professor	Therapeutic 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	Incidence of acute pancreatitis in Hungary from 2004-201.

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Prof. Dr. Lengyel Csaba, professor, Dr. Vágvölgyi Anna assistant lecturer	Evaluation of short term QT variability in different manifestations of clinical disorders.
Prof. Dr. Várkonyi Tamás PhD, professor, Dr. Nyiraty Szabolcs Ph.D., assistant lecturer	Assessment of autonomic neuropathy (etiology, manifestations).
Dr. med. habil. Rosztóczy András, PhD, associate professor	Clinical and experimental studies in esophageal motility disorders.
Dr. med. habil. Rosztóczy András, PhD, associate professor	Barrett's esophagus.
Dr. med. habil. Róka Richárd, PhD, associate professor, Dr. Incze Orsolya, assistant lecturer	Novel pathophysiological factors in irritable bowel sy.
Dr. med.habil. Hajdú Edit PhD, associate professor	Assessment of urinary tract infections. (4431/2019)
Dr. med.habil. Hajdú Edit PhD, associate professor	Survey of nosocomial infections
Dr. med.habil. Hajdú Edit PhD, associate professor	Epidemiology of Clostridium difficile infections
Dr. med.habil. Hajdú Edit PhD, associate professor	Epidemiology of hepatitis infections (4522/2019)
Dr. med.habil. Hajdú Edit PhD, associate professor, Dr. Visnyovszki Ádám infectious diseases specialist candidate	Evaluation of the results of CSF samples in different clinical diseases (4641/2019)
Dr. med.habil. Hajdú Edit PhD, associate professor, Dr. Visnyovszki Ádám infectious diseases specialist candidate	Epidemiology of Covid-19 infections
Dr. med.habil. Hajdú Edit PhD, associate professor, Dr. Visnyovszki Ádám infectious diseases specialist candidate	Antiviral therapy during Covid-19 pandemia
Dr. Nagy Nóra infectious diseases specialist	Epidemiological examination of Lyme-disease.
Dr. Maczák Marianna infectious diseases specialist	Epidemiology of hepatitis infections (3869/2016)
Dr. med. habil. Szepes Zoltán, PhD, assoiate professor, Dr. Bor Renáta, assistant lecturer	Palliative endoscopic treatment in GI track.
Dr. med. habil. Szepes Zoltán, PhD, assoiate professor, Dr. Bor Renáta, assistant lecturer	Clinicopathological examination of colorectal cancers.
Dr. med. habil. Szepes Zoltán, PhD, assoiate professor, Dr. Bor Renáta, assistant lecturer	Endoscopic treatment of early rectal cancers.
Dr. med. habil. Szepes Zoltán, PhD, assoiate professor, Dr. Bor Renáta, assistant lecturer	Assesment of qualy of endoscopic examinations.
Dr. med. habil. Szepes Zoltán, PhD, assoiate professor, Dr. Bor Renáta, assistant lecturer	Operative gastrointestinal endoscopy.
Dr. med. habil. Szepes Zoltán, PhD, assoiate professor, Dr. Bor Renáta, assistant lecturer	Diagnostic and interventional endoscopic ultrasound in the hepatobiliary system.
Dr. Szécsi Mihály PhD, senior research fellow	Investigation methods for the activity and inhibition of 5alpha-reductase type 1 and type 2 isozymes.
Dr. Szécsi Mihály PhD, senior research fellow	Effect of 17-hydroxylase/C17,20-lyase enzyme activity and its inhibition on the biosynthesis of steroid hormones.
Dr. Takács Róbert, senior clinical doctor	Evaluation of the relationship between fasting plasma glucose and autonomic dysfunction in healthy subjects with a normal carbohydrate metabolism.
Prof. Dr. Molnár Tamás, Dsc, professor, Dr Farkas Klaudia associate professor	Inflammatory bowel diseases.
Prof. Dr. Molnár Tamás, Dsc, professor, Dr Farkas Klaudia associate professor	Colorectal carcinomas.
Dr. Valkusz Zsuzsanna, PhD, senior clinical doctor	Primary and secondary osteoporosis
Dr. Valkusz Zsuzsanna, PhD, senior clinical doctor	MEN syndrome.
Dr. Valkusz Zsuzsanna, PhD, senior clinical doctor	Pituitary disease
Dr. Sepp Krisztián, senior lecturer	Thyroid gland cancers.
Dr. Magony Sándor, senior clinical doctor	Investigations of neuropathic conditions in endocrine diseases.
Dr. Nagy István, senior clinical doctor, Dr. Pálvölgyi Attila, senior clinical doctor	Chronic hepatitis B.
Dr. Nagy István, senior clinical doctor, Dr. Pálvölgyi Attila, senior clinical doctor	Chronic hepatitis C.
Dr. Nagy István, senior clinical doctor, Dr. Pálvölgyi Attila, senior clinical doctor	Chronic liver diseases other than HBV and HCV.
Dr. Letoha Annamária, senior clinical doctor	A retrospective analysis of characteristics of diabetic nephropathy diagnosed with or without renal histology
Dr. habil. Légrády Péter PhD, senior lecturer, Dr. Fejes Imola, assistant lecturer	Single nephron size in different parenchymal kidney diseases

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Dr. habil. Légrády Péter PhD, senior lecturer, Dr. Fejes Imola, assistant lecturer	Seasonal variations of kidney function of CKD patients
Dr. habil. Légrády Péter PhD, senior lecturer, Prof. Dr. Ábrahám György professor	Use of antihypertensive agents and achieve recommended target blood pressure in hypertensive patients referring to up-to-date guidelines (ethical number is in progress)
Dr. Maléth József, PhD, research fellow	Epithelial signaling and secretion in physiology and pathophysiology.
Dr. Maléth József, PhD, research fellow	The role of redox sensitive calcium channels in the pathogenesis of acute pancreatitis.
Dr. Maléth József, PhD, research fellow	Organoid cultures in the gastrointestinal research.
Dr. Németh Balázs PhD, assistant lecturer	The genetics of chronic pancreatitis.(ETT TUKEB 22254-1/2012/EKU)
Dr. Pallagi Petra PhD, assistant research fellow	Investigation of ethiological background of inflammatory bowel disease-associated pancreatic damage
<b>Department of Medical Biology</b>	
Prof. Zsolt Boldogkői (MSc., PhD., DSc.) university professor and Dr. habil. Dóra Tombácz (MSc. PhD.) associate professor	Host-Microbe Interactions in Obesity and Comorbidities
Prof. Zsolt Boldogkői (MSc., PhD., DSc.) university professor and Dr. habil. Dóra Tombácz (MSc. PhD.) associate professor	Transcriptional analysis of herpesviruses
Prof. Zsolt Boldogkői (MSc., PhD., DSc.) university professor and Dr. habil. Dóra Tombácz (MSc. PhD.) associate professor	Analysis of Transcriptional Interference Networks (TINs)
<b>Department of Medical Chemistry</b>	
Dr. Gábor Tóth university professor	Posttranslational modification of natural peptides by chemical methods.
Dr. Gábor Tóth university professor, Dr. Zsolt Bozsó assistant professor	Synthesis of peptide toxins with multiple disulphide bridges.
Dr. Gábor Tóth university professor	Synthesis of antimicrobial peptides and peptide analogs.
Dr. Gábor Tóth university professor	Synthesis and structural study of conformationally restricted peptides.
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 senior lecturer	Application of native chemical ligation for the synthesis of polypeptides and proteins
Dr. Tamás Janáky Tamás university professor	Quantitative proteomic studies of ABC transporters.
Dr. Livia Fülöp associate professor	Investigation of sigma-1 receptor agonists in in vitro and in vivo biological systems
Dr. Lajos Kovács associate research fellow	Synthesis of nucleosides.
Dr. Lajos Kovács associate 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 senior lecturer	Identification of protein biomarkers using the methods of proteomics.
Dr. Zoltán Szabó senior lecturer	Development of liquid chromatography and mass spectrometry methods for quantitative determination of proteins.
Dr. Anasztázia Hetényi senior lecturer	Antibiotic adjuvants: mechanism of action and development
Dr. Tamás Martinek university professor, head of department	Development of novel antimicrobial strategies and potential therapeutics
Dr. Tamás Martinek university professor, head of department	Blocking of protein-protein interactions, development of novel potential drug molecules
Dr. Tamás Martinek university professor, head of department	Cell delivery of therapeutic macromolecules
<b>Department for Medical Communication and Translation Studies</b>	
Rápoltné dr habil.Keresztes Csilla MA Ph.D., university associate professor	Barriers in doctor-patient intercourse
Asztalos-Zsembery Eszter MA, medical language expert., predoc.	The language of mediation between non-native English doctors and students
Brandl Gergely MA, medical language expert, predoc.	History of Medicine and the Healthcare System a Key Texts
Csenki-Bózsó Réka MA, university junior lecturer, predoc.	The psycholinguistic aspects of early language acquisition
Skadra Margit MA, university junior lecturer, predoc.	Communication barriers in the German healthcare system
<b>Department of Medical Microbiology and Immunobiology</b>	

Thesis Supervisor	Thesis topic
Katalin Burián, associate professor, MD., Ph.D.	Recently described polyomaviruses and their clinical manifestations
Katalin Burián, associate professor, MD., Ph.D.	Pathomechanism of <i>Toxoplasma gondii</i> infection
Katalin Burián, associate professor, MD., Ph.D.	Flaviviruses transmitted by ticks
Katalin Burián, associate professor, MD., Ph.D.	Diseases caused by <i>Streptococcus agalactiae</i> and vaccines under development to prevent them
Dezső Virók, senior research fellow, MD, Ph.D.	Urogenital tract infections caused by <i>Chlamydia trachomatis</i>
Dezső Virók, senior research fellow, 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.	Vaccines of the future
Tímea Mosolygó, assistant professor, MD., Ph.D.	Antimicrobial activity of different compounds
Anita Varga-Bogdanov, Ph.D.	Antimicrobial chemotherapy
Department of Medical Physics and Informatics	
Dr. Farkas Eszter associate professor, Ph.D. habilitation	Pathophysiology of ischemic brain injury
Dr. Tolnai József assistant professor Ph.D.	Telemedicine Applications
Dr. Nyári Tibor associate professor Ph.D. habilitation	Investigation of trends in mortality rates in Hungary
Dr. Lückl János assistant professor Ph.D.	The analysis of the ictal-interictal continuum in acute and subacute encephalopathy
Dr. Fodor Gergely assistant professor Ph.D.	Respiratory mechanical investigations in small animal models
Dr. Márki Árpád assistant professor Ph.D., Dr. Nagy Attila assistant professor, Ph.D.	3D printing in medicine and patient care
Dr. Márki Árpád assistant professor Ph.D., Dr. Nagy Attila assistant professor, Ph.D.	Possible uses of virtual reality in patient care and rehabilitation
Department of Neurology	
Dr. Bencsik Krisztina Associate Professor	Clinical aspects of multiple sclerosis
Dr. Dézsi Livia Junior Assistant Professor	Polyneuropathies. Myasthenia gravis. Muscular dystrophias.
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. Horváth Zoltán Junior Assistant Professor	Differential diagnostics of epilepsy.
Dr. Jakab Katalin Head Physician	Neurorehabilitation.
Dr. Szabó Nikolett Assistant Professor	Neuroimaging and neurophysiological investigations in neurology.
Dr. Zádori Dénes Associate Professor	Clinical features and pathomechanism of neurodegenerative diseases.
Dr. Párdutz Árpád Associate Professor	Animal models of trigeminovascular activation.
Dr. Rajda Cecília Associate Professor	Clinical signs and therapy of epilepsy.
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. Szok Délia Associate Professor	Special aspects of epilepsy syndromes.
Dr. Szok Délia Associate Professor	Primary headache disorders: classification, diagnostics and therapy.

Thesis Supervisor	Thesis topic
Dr. Szpisjak László Junior Assistant Professor	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.
Laczó Bence Assistant Professor	Electrophysiological methods in diagnostics of neuromuscular diseases.
Dr. Zádori Dénes Assistant Professor	Neurochemical methods in neurological disorders and their animal models
<b>Department of Neurosurgery</b>	
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. Fülöp Béla (PhD, assistant lecturer)	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. Fülöp Béla (PhD, assistant lecturer)	Significant internal carotid artery stenosis treatment options (theory & rational)
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Fülöp Béla (PhD, assistant lecturer)	Surgical treatment options for cerebral hypoperfusion
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Balázsfi Márton (senior clinical doctor)	Neurosurgical treatment options for neurovascular syndromes
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)	Carotid endarterectomy a neurosurgical comparative analysis (literature & clinical) of stenting vs surgery - Based on the european ACST-2 study
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)	Minimal invasive lumbar spine surgery: types, techniques and approaches
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Kis Dávid (PhD, assistant lecturer )	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, assistant lecturer)	Treatment of movement disorders by deep brain stimulation
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Kis Dávid (PhD, assistant lecturer)	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, assistant lecturer)	Neurosurgical treatment of chronic pain syndromes (Ethical approval number: 110/2012)
<b>Department of Nuclear Medicine</b>	
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
<b>Department of Obstetrics and Gynaecology</b>	
Dr. Pásztor Norbert	Risk factors and outcome of deliveries with meconium-stained amniotic fluid
Dr. Novák Tibor	Study of the relation between pregnancy and maternal dental diseases.
Dr. Novák Tibor	Preterm delivery. Threatening preterm delivery
Dr. Varga-Tóth Andrea	Sexual behavior among young couples
Prof. Dr. Orvos Hajnalka	Epidemiology of preterm birth and its prevention
Dr. Pál Zoltán	Psychiatric changes in the perimenopausal period
Dr. Sikovanyecz János	Evaluation of urogenital abnormalities among terminated pregnancies in the II. trimester.
Dr. Surányi Andrea	The effect of oral contraceptives for endometrium thickness-ultrasound investigations
Dr. Surányi Andrea	The effect of maternal blood hypertension for fetal development.
Dr. Surányi Andrea	The correlation between the gestational diabetes mellitus and fetal development.
Dr. Kalmár László	Operative therapy in malignant gynecology diseases and life quality

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Dr. Molnár András	The treatment of polycystic ovary syndrome.
<b>Department of Oncotherapy</b>	
Prof. Dr. Oláh Judit habil DSc, professor	Rare skin tumours
Prof. Dr. Oláh Judit habil DSc, professor	Skin toxicity of oncological drugs
Prof. Kahán Zsuzsanna habil DSc, professor	Novel radiotherapy method in breast cancer: heart protection with deep inspiration breath hold (DIBH) technique
Prof. Kahán Zsuzsanna habil DSc, professor	Dose escalation in the radiotherapy of cervical carcinoma radiotherapy
Prof. Kahán Zsuzsanna habil DSc, professor	Precision Oncology
Dr. Torday László PhD, senior lecturer	Perioperative chemotherapy of resectable gastric cancer: clinical experience with the FLOT protocol
Dr. Torday László PhD, senior lecturer	Locally advanced, irresistible gastric cancer: clinical experience with chemotherapies
Dr. Torday László PhD, senior lecturer	Modern chemotherapy of irresectable pancreatic cancer
Dr. Torday László PhD, senior lecturer	Chemotherapy of neuroendocrine tumors: experience with the capecitabine-temozolomide-bevacizumab protocol
Dr. Torday László PhD, senior lecturer	Experience in treating neuroendocrine tumors with SSA-s given as antiproliferative agents
Dr. Torday László PhD, senior lecturer	Clinical experience in the adjuvant treatment of stage III. colorectal cancer with CAPOX protocol: focus on toxicity
Dr. Torday László PhD, senior lecturer	Clinical experience with capecitabine+bevacizumab protocol in palliative therapy of metastatic colorectal cancer
<b>Department of Ophthalmology</b>	
Dr. Végh Mihály associate professor, PhD, habil	Benefits of wearing daily disposable contact lenses
Dr. Orosz Zsuzsanna senior lecturer, PhD	Management of Corneal Wound healing
Dr. Orosz Zsuzsanna senior lecturer, PhD	Investigations on Tear Film Stability
Dr. Hári-Kovács András senior lecturer, PhD	Metamorphopsia assessment after pars plana vitrectomy for rhegmatogenous retinal detachment
Dr. Sohár Nicolette senior lecturer, PhD	Complications of juvenile uveitis
Dr. Vizvári Eszter senior lecturer Ph.D.	Treatment of diabetic maculopathy
Dr. B. Tóth Barbara assistant lecturer	New approach in the therapy of diabetic retinopathy
Dr. B. Tóth Barbara assistant lecturer	Diabetic retinopathy in type 1 diabetes mellitus
Dr. Smeller Lilla	Modern diagnostic tools in the diagnosis of uveitis
<b>Department of Oto-Rhino Laryngology</b>	
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

Thesis Supervisor	Thesis topic
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 and Nagy Roland - Research Assistant	Cochlear implant fitting
Dr. habil. József Géza Kiss Ph.D, scientific advisor and Dimák Balázs - Research Assistant	Objective electrophysiological examinations in audiology
Dr. János Jarabín senior lecturer	Audiological examinations of bone anchored hearing aid systems
Dr. János Jarabín senior lecturer	Differential diagnostics of vestibular disorders
Dr. Gábor Vass senior lecturer	Surgical methods of the tumors of the sinuses with covert approaches „, the facial degloving technique
Dr. Gábor Vass senior lecturer	Disturbed wound healing following the surgeries of implantable hearing aid systems – surgical methods and the possibilities of prevention
Dr. Diána Szabó – senior lecturer	New therapeutic options in peripherae n. facialis palsy.
Dr. Perényi Ádám – senior lecturer	Implanted devices and imaging diagnostics in ENT – what examinations can be performed with what expectations and limitations?
Dr. Perényi Ádám – senior lecturer	Speech discrimination, directional hearing, quality of life, social status and satisfaction of patients with cochlear implants
Dr. Perényi Ádám – 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)
<b>Department of Pathology</b>	
Dr. Hortobágyi Tibor Head of the Department	The pathology of COVID-19
Dr. Hortobágyi Tibor Head of the Department	COVID-19 and the brain
Dr. Hortobágyi Tibor Head of the Department	Oral disease and dementia - a systematic review of the literature
Dr. Hortobágyi Tibor Head of the Department	Oral pathology and dementia - literature review (topic for dentistry students)
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. Kuthi Levente	Clinicopathology of testicular cancers
Dr. Kuthi Levente	The role of HPV in the development of penis cancers
Dr. Kuthi Levente	Peritumoral kidney parenchyma lesions
Dr. Kuthi Levente	Clinicopathology of childhood kidney tumours
Dr. Kuthi Levente	Immunophenotype of metastatic prostate cancer
Dr. Kuthi Levente	Clinicopathology of ureter tumours
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 received neoadjuvant therapy
Dr. Sejben Anita/Dr. Zombori Tamás	Prognostic factors of neoadjuvant therapy receiving breast cancer cases
Dr. Nagy Bence	Correlation of cervical cytology results and resection samples
Dr. Tiszlavicz László/Dr. Radics Bence	Predictive markers of lung tumours
Dr. Cserni Gábor	Prevalence changes of lobular breast cancer

Thesis Supervisor	Thesis topic
Dr. Zombori Tamás	Clinicopathological features of neuroendocrine tumours of the lungs
Dr. Zombori Tamás	Evaluation of prognostic markers of lung adenocarcinoma
Dr. Zombori Tamás	Exploration of prognostic markers of lung squamous cell carcinoma
Dr. Zombori Tamás	Immunohistochemical evaluation of spread through air spaces (STAS) in lung adenocarcinoma
Dr. Zombori Tamás	Evaluation of clinicopathologic features of sarcomatoid carcinoma of lung
Dr. Zombori Tamás	Clinicopathologic features of COVID-19 pneumonia
Dr. Zombori Tamás	Evaluation of prognostic markers of oral squamous cell carcinoma
<b>Department of Pathophysiology</b>	
Júlia Szakács senior assistant professor, M.D., Ph.D.	Study of the behavioral effects of neuropeptides
Miklós Jászberényi, associate professor, M.D., Ph.D., D.Sc. And Gyula Telegdy, emeritus professor, MD, PhD., D.Sc., HAS	The Pathophysiology of Alzheimer's Disease
Miklós Jászberényi, associate professor, M.D., Ph.D., D.Sc. And Gyula Telegdy, emeritus professor, MD, PhD., D.Sc., HAS	The role of neuropeptide mediators in the control of affective, emotional and cognitive processes
Miklós Jászberényi, associate professor, M.D., Ph.D., D.Sc. And Gyula Telegdy, emeritus professor, MD, PhD., D.Sc., HAS	The Effect of Neuropeptides on the Hypothalamus-Pituitary-Adrenal system
Zsolt Bagosi, senior assistant professor, M.D., Ph.D.	The role of CRF and urocortins in anxiety, depression and social interaction
Zsolt Bagosi, senior assistant professor, M.D., Ph.D.	The effects of urocortins and its fragments in anxiety and depression
Zsolt Bagosi, senior assistant professor, M.D., Ph.D.	The hypothalamic and extra hypothalamic regulation of CRF
Zsolt Bagosi, senior assistant professor, M.D., Ph.D.	The role of CRF and urocortins in alcohol, nicotine and cannabis addiction
Krisztina Anna Csabafi, senior assistant professor MD. Ph.D.	The effect of kisspeptin on amyloid-beta neurotoxicity
Krisztina Anna Csabafi, senior assistant professor MD. Ph.D.	Effect of Kisspeptins on carbohydrate metabolism
Krisztina Anna Csabafi, senior assistant professor MD. Ph.D.	Effect of neuropeptides on nociception and morphine induced analgesia, tolerance
Krisztina Anna Csabafi, senior assistant professor MD. Ph.D. and Katalin Eszter Iboş M.D.	Role of neuropeptides in anxiety and the development of anxious phenotype
Zoltán Rakonczay, Chairman, M.D., Ph.D. D.Sc. and Lóránd Kiss, research associate, Ph.D.	The pathomechanism of experimental acute pancreatitis and therapeutic investigations
by agreement with the supervisor	Any topic from Pathophysiology
<b>Department of Pediatrics</b>	
Dr. Bereczki Csaba Head of the Department, associate professor	Rituximab therapy in paediatric nephrotic syndrome
Dr. Bereczki Csaba Head of the Department, associate professor	The role of complement system in childhood kidney diseases
Dr. Kapornai Krisztina, PhD	Risk factors of childhood-onset depression
Dr. Kiss Enikő PhD senior lecturer	Risk and protective factors in childhood and adolescent psychiatric problems
Dr. Tóth Anett PhD	Obsessive-compulsive disorder (OCD)
Dr. Kaczvinsky Emília	PTSD and its treatment
Dr. Dochnal Roberta	Non-suicidal self-injury in children and adolescents
Dr. Szabó Krisztina	Cognitive-behavioral treatment of ADHD
Kakuszi Szilvia	Eating disorders
Dr. Szűcs Szabina	Adolescent antecedents of personality disorders
Dr. Takács Andrea	Indications for endoscopic retrograde cholangiopancreatography (ERCP) during childhood
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Chosen topic of interest in Neonatal Care
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Challenges in management of ELBW neonates and long term neurodevelopmental outcome
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	ELBW Weight gain of ELBW neonates
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Frequency of RBC transfusion in premature infants
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Quality control indicators on the Neonatal Intensive Care Unit
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Renal function in VLBW infants and follow up
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Genetic syndromes on the Neonatal Intensive Care Unit
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Ophthalmology Screening on the Neonatal Unit

Thesis Supervisor	Thesis topic
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Use of indwelling catheters and its complications on the Neonatal Unit
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Microbiological surface swabs' role in early onset sepsis
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Early onset sepsis – sepsis calculators, use and length of ABs, umbilical cord hemoculture
Dr. Kiss Judit clinical specialist, Dr. Mari Judit assistant lecturer Dr. Gajda Anna	Use of hydrocortisone in prevention and treatment of BPD
Dr. Blászó Péter	Prevalence of immunodeficiencies among the new immunology outpatients and its consequences
Prof. Dr. Katona Márta	The role of prenatal diagnostic methods in the outcome of severe congenital malformations
Dr. Zimmermann Alíz	Adherence of patients with cerebral palsy to physical therapy and the use of orthotic/assistive devices
<b>Department of Pharmacology and Pharmacotherapy</b>	
<p>Thesis coordinator: Dr. Zoltán Husti PhD  Phone: +36 62 545 679, +36 70 218 8364  Email: <a href="mailto:husti.zoltan@med.u-szeged.hu">husti.zoltan@med.u-szeged.hu</a>, <a href="mailto:husti.zoltan@gmail.com">husti.zoltan@gmail.com</a>  Homepage: <a href="http://phcol.szote.u-szeged.hu">http://phcol.szote.u-szeged.hu</a></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 <sup>+</sup> /Ca <sup>2+</sup> 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. István Konecz MD PhD	Antiarrhythmic drugs. (Authority approval is not needed)
Dr. János Prorok PhD	The role of disturbed calcium handling in the arrhythmogenesis. (Authority approval is not needed)
Dr. János Prorok PhD	Investigation of arrhythmogenic risk factors on rodent heart models. (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. Görbe Anikó assistant professor, PhD	Cardiocytoprotection in in vitro cell culture models (Authority approval is not needed)
Dr. med. habil. Görbe Anikó assistant professor, PhD	Ischemic conditioning on stem cell-derived cardiac myocytes (Authority approval is not needed)

Thesis Supervisor	Thesis topic
Dr. med. habil. Görbe Anikó 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. Szűcs Kálmán, PhD	Pharmacology of inflammatory bowel diseases (Authority approval is not needed)
Dr. Szűcs Kálmán, PhD	New aspects of pharmacotherapy (Authority approval is not needed)
Dr. Gáspár Róbert, PhD	Pharmacological and therapeutic aspects of contraception (Authority approval is not needed)
<b>Department of Physiology</b>	
Dr. Sáró Gyula, Head of Department, professor, Doctor of Science	Electrophysiology of the primate visual system.
Dr. Bodosi Balázs, senior lecturer, PhD, Dr. Nagy Attila, associate professor, PhD	Sleep research on rats
Dr. Berényi Antal, senior lecturer, PhD	Investigation of neuronal network dynamics with high-resolution approaches
Dr. Berényi Antal, senior lecturer PhD	Application of focused transcranial electrical stimulation in epileptic animal models
Dr. Csibri Péter, senior lecturer, PhD	Virtual reality rehabilitation
Dr. Domoki Ferenc, associate 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, associate professor PhD, Tóthné Dr. Rosta Judit, senior lecturer, 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, Ph.D.	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. Horváth Gyöngyi professor, Doctor of Science, Dr. Büki Alexandra senior lecturer, Ph.D.	Investigation of autonomic functions in a chronic schizophrenia rat model
Dr. Kaposvári Péter, senior lecturer, 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. Kovács Viktória, senior lecturer PhD	Molecular mechanisms of neuroprotection in a translational pig model of neonatal hypoxic-ischemic encephalopathy
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
Karcsúné Dr. Kis Gyöngyi, senior lecturer, PhD	The peripheral antinociceptive effects of oxytocin and their cellular and molecular mechanisms
Tóthné Dr. Rosta Judit, senior lecturer, PhD	Investigation of the trigeminal system in the pathomechanism of vasospasm following subarachnoid hemorrhage in an animal model.
<b>Department of Psychiatry</b>	
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	The connectivity disfunctions in depression
János Kálmán Professor and Head of Department, MD. PhD. DSc	The connectivity disfunctions in Alzheimer's disease
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
László Zsolt Datki MSc. PhD. senior research fellow – Zita Gálik-Oláh MSc. PhD research fellow	Analysis of lacrimal fluid protein amount in neurodegenerative diseases and psychiatric disorders

Thesis Supervisor	Thesis topic
László Zsolt Datki MSc. PhD. senior research fellow – Zita Gálik-Oláh MSc. PhD research fellow	Exceptional catabolic attack against neurotoxic aggregates, an <i>in vivo</i> answer
László Zsolt Datki MSc. PhD. senior research fellow – Zita Gálik-Oláh MSc. PhD research fellow	Investigation of relations between aging, lifespan and autophagy in rotifers
László Zsolt Datki MSc. PhD. senior research fellow – Zita Gálik-Oláh MSc. PhD research fellow	Pharmacological molecular screening and mechanism of action study in rotifers
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
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 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
Nóra Domján PhD. assistant professor, clinical psychologist	Emotional aspects of the processing of auditory stimuli - misophonia and autonomous sensory meridian response
Nóra Domján PhD. assistant professor, clinical psychologist	Neurocognition in psychosis
Nóra Domján PhD. assistant professor, clinical psychologist	Psychoterapeutic approach in psychiatry
Nóra Domján PhD. assistant professor, clinical psychologist	Relaxation methods
Nóra Domján PhD. assistant professor, clinical psychologist	Psychological correlations of personality disorders
Erika Tóth MD. psychotherapist, psychiatrist consultant; Bálint Andó PhD. assistant professor, clinical psychologist	Empathy in medicine
Ildikó Kovács PhD, resident in clinical psychology	Saccadic eye movements in psychiatric disorders
Bernadett Ildikó Gál licensed health psychologist	Stigmatization of patients with schizophrenia in the health care system
Bernadett Ildikó Gál licensed health psychologist	Healthy mistrust or maladaptive cognitive distortion? - Mechanisms of deception detection
Bernadett Ildikó Gál licensed health psychologist	The impact of burden of disease to prognosis and recovery in families of patients lived with schizophrenia
<b>Department of Public Health</b>	
Dr. habil. András Papp Ph.D. associate professor	Analysis of an environmental health issue relevant to Hungary
Dr. Vezér Tünde Ph.D., associate professor	Changes in the epidemiological situation of meningococcus in EU Member States in the last 10 years
Dr. Regina Molnár Ph.D. senior lecturer	The family-professional roleconflict among female doctors
Dr. Máté Szusanna Ph.D., senior lecturer	Health effects of breastfeeding
Dr. Oszlanczi Gábor Ph.D., assistant lecturer	The effect of artificial sweeteners on human health (literature review)
Erdős Csaba assistant lecturer	Sociodemographic and sociocultural characteristics of sexual health

Thesis Supervisor	Thesis topic
<b>Department of Pulmonology</b>	
<b>Chief of Scientific working group: Csaba Máthé MD, PhD</b> <b>Phone: +36-62-571-552</b> <b>Email: mathe.csaba@med.u-szeged.hu</b>	
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 training in 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 transbronchial needle aspiration (TBNA) in the 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 Pálköldi MD, PhD	Hyponatraemia as a prognostic factor in SCLC (small cell lung cancer)
Regina Pálköldi MD, PhD	Chemotherapy induced neutropenia and its treatment
Regina Pálköldi MD, PhD	Extrapulmonary manifestation in sarcoidosis
Gábor Ádám MD	Screening of sleep apnoea with polygraph
<b>Department of Rheumatology and Immunology</b>	
Dr. Kádár Gabriella assistant lecturer	The assessment of the levels of micro-RNA-s and other biomarkers in rheumatoid arthritis and ankylosing spondylitis- can they help in the identification of patients in whom the biological therapies can be tapered?
Dr. Helemein Rita assistant lecturer	The evaluation of the value of a novel capillaroscopic technique in scleroderma
Dr. Honfi Dániel resident	The clinical presentation and disease course in ANCA-associated vasculitides
<b>Department of Surgery</b>	
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

Thesis Supervisor	Thesis topic
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 senior lecturer, Ph.D.	Surgical treatment of the recidives of the Crohn disease
Dr. Paszt Attila senior lecturer, Ph.D.	The role of neoadjuvant radio-chemotherapy in the treatment of rectum tumours
Dr. Paszt Attila senior lecturer, Ph.D.	The role of neoadjuvant radio-chemotherapy in the treatment of gastric cancer
Dr. Paszt Attila senior lecturer, Ph.D.	Complex treatment and surgical aspects of GIST
Dr. Paszt Attila senior lecturer, Ph.D.	Surgical treatment types of the stomach's benign and malignant tumours
Dr. Farkas Gyula senior lecturer, Ph.D.	The changes of surgical therapy in the treatment of CP
Dr. Farkas Gyula senior lecturer, Ph.D.	The possibilities of the treatment of pancreatic cancers in the view of the duration of symptoms
Dr. Palásthy Zsolt senior lecturer, Ph.D.	Reconstruction of visceral arteries
Dr. Palásthy Zsolt senior lecturer, Ph.D.	Hybrid surgical treatment of lower extremity artery stenosis
Dr. Palásthy Zsolt senior lecturer, Ph.D.	The possibilities of the treatment of aorta aneurisms
Dr. Palásthy Zsolt senior lecturer, 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.	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.	Results of the marginal Kidneys transplanted patients
Dr. Szederkényi Edit senior lecturer, Ph.D.	Early complications after Kidney transplantation
Dr. Ábrahám Szabolcs senior lecturer, Ph.D.	Role of intraoperative endoscopy in the colorectal oncological surgery
Dr. Ábrahám Szabolcs senior lecturer, Ph.D.	Therapy of the perianal fistula in Crohn disease
Dr. Ábrahám Szabolcs senior lecturer, Ph.D.	The role of ultrasound guided drainage in the therapy of acute cholelitis
Dr. Simonka Zsolt senior lecturer, Ph.D.	Application of negative-pressure wound therapy in general surgery
Dr. Simonka Zsolt senior lecturer, Ph.D.	Complex surgical management of breast cancer
Dr. Simonka Zsolt senior lecturer, Ph.D.	Volumetric measurement and determination of breast cancer with the use of breast MRI
Dr. Simonka Zsolt senior lecturer, Ph.D.	Surgical management of acute abdominal diseases
Dr. Höhn József senior lecturer, Ph.D.	Postoperative effects of Pringle maneuver after liver resections
Dr. Höhn József senior lecturer, Ph.D.	The importance of CT volumetry in liver surgery
Dr. Höhn József senior lecturer, Ph.D.	Liver resections due to primary and metastatic cancer
Dr. Takács Tibor senior lecturer, Ph.D.	The treatments of the aorto-iliac vascular diseases
Dr. Takács Tibor senior lecturer, Ph.D.	The treatments of the inguinal vascular diseases
Dr. Borda Bernadett assistant lecturer, Ph.D.	Frequency and treatment of the anaemia after kidney transplantation
Dr. Borda Bernadett assistant lecturer, Ph.D.	Causes, diagnosis and presentation of the DM after kidney transplantation
Dr. Ottlakán Aurél assistant lecturer, Ph.D.	Electrochemotherapy in general surgery
Dr. Ottlakán Aurél assistant lecturer, Ph.D.	Minimally invasive surgery of the adrenal gland
<b>Institute of Surgical Research</b>	
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. habil. Petra Hartmann Ph.D., senior lecturer	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.

Thesis Supervisor	Thesis topic
Dr. habil. József Kaszaki, Ph.D., associate professor, Dr. habil. Andrea Szabó, Ph.D., associate professor	Therapeutic possibilities of the microcirculatory and mitochondrial dysfunction in septic condition.
Dr. habil. Petra Hartmann, Ph.D., senior lecturer, 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 Ércses, Ph.D., senior lecturer	Assessment of the hemodynamic and biochemical consequences of partial aorta occlusion in experimental animal model.
Dr. Gabriella Varga, Ph.D., senior lecturer, Dr. Dániel Ércses, Ph.D., senior lecturer	Early non-invasive diagnosis of circulatory shock induced gastrointestinal circulatory disorders.
Dr. Petra Hartmann, Ph.D., senior lecturer	Investigation of the pathomechanism of arthritis and its therapeutic possibilities.
Prof. Dr. habil. Mihály Boros, M.D., Ph.D., D.Sc., Head of Department, Dr. Petra Hartmann, Ph.D., senior lecturer	Non-bacterial methane production: molecular mechanism and significance in clinical diagnostics.
Dr. Gabriella Varga, Ph.D., senior lecturer, Dr. Dániel Ércses, 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 Ércses, Ph.D., senior lecturer	Non-invasive investigation of the lung and gastrointestinal microcirculation.
Dr. habil. József Kaszaki, Ph.D., associate professor, Dr. Szabolcs Péter Tallósy, Ph.D., assistant lecturer	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. habil. Hartmann Petra, Ph.D., senior lecturer, 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
<b>Department of Traumatology</b>	
Prof. Dr. Endre Varga, Head of the Department Ph. D.	Geriatric fractures
Prof. Dr. Endre Varga, Head of the Department Ph. D.	Ches wall stabilization
Prof. Dr. Endre Varga, Head of the Department Ph. D.	Navigation in trauma surgery.
Dr. Sándor Pintér associate professor Ph. D.	Clinical follow up of radius fractures.
Dr. László Török associate professor Ph. D., Dr. Sándor Körmöndi clinical senior physician	Negative pressure therapy in traumatology.
Dr. László Török 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 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
<b>Department of Urology</b>	
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