

Instructor's name, position, academic qualification	Thesis topic
Institute of Health and Economy Sciences	
Dr. Buzás Norbert PhD, head of department, associate professor	Social and financial burden of the unnecessary- and overdiagnosis
Dr. Buzás Norbert PhD, head of department associate professor	The role of health behavior in the treatment of T2DM
Dr. Buzás Norbert PhD, head of department, associate professor	Effect of parents and teachers' behavior on the choice of technology and care efficiency of children with T1DM
Dr. Buzás Norbert PhD, head of department, associate professor, Thesis advisor outside of the department: Dr. Erdős Attila	Wisdom of the crowd in diagnosis
Dr. Bognár Ágnes PhD, assistant professor	Institutional financial- and capacity planning for inpatient care
Dr. Juhász Zoltán PhD, assistant lecturer	Patient satisfaction in the health care system / emergency care, private care/
Dr. Juhász Zoltán PhD., assistant lecturer	Development of the environment and its tasks in future health care
Department of Anatomy, Histology and Embryology	
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.
Department of Aviation and Space Medicine	
Dr. habil. Szabó Sándor András head of the department, associate professor	Aviators' visuomotor work abilities in hypobaric hypoxia.
Dr. habil. Szabó Sándor András head of the department, associate professor	Monitoring stress during workload in aviators.
Dr. habil. Szabó Sándor András head of the department, associate professor	Instruments and computer-based psychological tests in fitness-to-fly examinations in aviators.
Dr. habil. Szabó Sándor András head of the department, associate professor	Certain aspects of visual information processing during workload in aviators.
Department of Behavioural Science	
Tari Gergely, egyetemi tanársegéd	Islamic bioethics - how does culture influence bioethical principlialism?
Department of Clinical Microbiology	

Instructor's name, position, academic qualification	Thesis topic
Csányiné Dr. Dóczy Ilona	Relevance of the detection of beta-D-glucan antigen in the clinical practice
Dr. Orosz László	<i>In vitro</i> examination of the antibacterial effect of leukocyte and platelet rich fibrin (L-PRF) patches used in dermatological wound treatment
Pappné Dr. Terhes Gabriella	Viral infections in stem cell transplants
Pappné Dr. Terhes Gabriella	Viral infections in patients treated with new chemo- and immunotherapies
Dr. Sóki József	Genetic analysis of <i>Bacteroides</i> spp.
Dr. Sóki József	Examination of the Antibiotic resistance mechanisms of anaerobic human pathogenic bacteria
Department of Cell Biology and Molecular Medicine	
Dr. Ádám Légrádi, PhD., Assistant Professor and Dr. Melinda Szabó, PhD., Research Associate	Pheno- and genotypic characterization of neuronal and glial cell cultures
Dr. Ádám Légrádi, PhD., Assistant Professor	Homing and reintegration of bone marrow-derived stem cells to the central nervous system
Dr. Károly Gulya, PhD., Professor	Stem cell therapies in neuropathological disorders
Dr. Ádám Légrádi, PhD., Assistant Professor	Immunomodulatory roles of galectin proteins in the central nervous system
Dr. Annamária Bjelik, PhD., Assistant Professor and Dr. Melinda Szabó, PhD., Research Associate	The roles of microglia in the pathogenesis of Alzheimer's disease
Dr. Annamária Bjelik, PhD., Assistant Professor	The roles of astrocytes in the pathogenesis of Alzheimer's disease
Dr. Melinda Szabó, PhD., Research Associate	The role of neuroinflammation in the pathogenesis of Alzheimer's disease
Department of Dermatology	
Zsuzsanna Bata MD, DSc (professor):	Clinical immunology studies
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
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
Department of Family Medicine	
Prof. Dr. Albert Varga, professor	The care of hypertensive 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. Erzsébet Garay, teaching family doctor – Gyula	The hypertensive medicines and their therapy use in the viewpoint of the new methods
Dr. Erzsébet Garay, teaching family doctor – Gyula	The care of the cardiovascular patients in family practices
Dr. Erzsébet Garay, teaching family doctor – Gyula	From the heart attack to the hospital (How to decrease the early death?)
Dr. Erzsébet Garay, teaching family doctor – Gyula	The problems of the elderly care in family practices
Dr. Erzsébet Garay, teaching family doctor – Gyula	Family care in primary level
Dr. Erzsébet Garay, teaching family doctor – Gyula	The care of diabetic mellitus patients
Dr. Erzsébet Garay, teaching family doctor – Gyula	Responsibility of medical decision for eligibility at recreation scuba divers and the aspects of the eligibility examination
Prof. Dr. Ferenc Hajnal, professor	Information technology connection between primary level practices and the specialized institutes
Prof. Dr. Ferenc Hajnal, professor	Mutual quality assurance of the primary level practices and the specialized institutes

Instructor's name, position, academic qualification	Thesis topic
Prof. Dr. Ferenc Hajnal, professor	Continuous medical training and development of its curriculum for the primary level experts. Quality assurance of the trainings
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
Department of Forensic Medicine	
Éva Sija M.D., Katalin Kovács M.D.	Illegal drug use
László Institóris Pharm.D.	Laboratory investigation of drug abuse
Éva Kereszty M.D., Ph.D.	Drunk driving
Beáta Havasi M.D.	Heart-brain crosstalk in cranial injuries
Beáta Havasi M.D., Éva Sija Ph.D.	Thanatochemistry postmortem detection of metabolic disorder
Roland Weiczner M.D., Ph.D.	Forensic histopathology - Dating of injuries
Beáta Havasi M.D., Éva Kereszty M.D., Ph.D.	Evaluation of permanent disability
Éva Kereszty M.D., Ph.D.	Medical causes for compensation (medical experts' evaluation)
Beáta Havasi M.D.	Fitness to drive
Éva Kereszty M.D., Ph.D.	Problems of the health legislation
Éva Kereszty M.D., Ph.D.	Criminalistics
Éva Kereszty M.D., Ph.D.	Death detection in the clinical practice
Alíz Hernádi M.D.	Sudden cardiac death
Árpád Szabó M.D.	Identification
Árpád Szabó M.D., Beáta Havasi M.D.	Unnatural death - Burns from heat
Katalin Kovács M.D.	Unnatural death - Traffic accidents (cyclists, motorcyclists, car, passengers)
Roland Weiczner M.D., Ph.D.	Unnatural death - Household accidents
Katalin Kovács M.D., Éva Kereszty M.D., Ph.D.	Death in prison, deaths of inmates
Roland Weiczner M.D., Ph.D.	Legal problems of compulsory vaccination
Éva Kereszty M.D., Máté Julesz M.D.	Medical law (e.g. informed consent, assisted suicide, malpractice)
Éva Kereszty M.D., Ph.D.	Forensic points of aging - Deaths of the aged
1st Department of Internal Medicine	
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. Lengyel Csaba, professor	Evaluation of short term QT variability in different manifestations of clinical disorders.
Prof. Dr. Várkonyi Tamás PhD, professor	Assessment of central neuronal function in diabetic neuropathy.
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	Irritable bowel syndrome -epidemiological studies.
Dr. med. habil. Róka Richárd, PhD, associate professor, Dr. Incze Orsolya, assistant lecturer	Irritable bowel syndrome and microbiota.
Dr. med.habil. Hajdú Edit PhD, associate professor	Clinical audit of right antibiotic use (4402/2018)
Dr. med.habil. Hajdú Edit PhD, associate professor	Epidemiology of Clostridium difficile infections.(4374/2018)

Instructor's name, position, academic qualification	Thesis topic
Dr. med.habil. Hajdú Edit PhD, associate professor	Fecal transplantation (3728/2016)
Dr. Nagy Nóra clinician	Assessment of urinary tract infections. (4431/2019)
Dr. Maczák Marianna	Epidemiological examination of Lyme-disease.
Dr. Túri Zita Erzsébet szakorvosjelölt	Epidemiology of hepatitis E virus infection(4522/2019)
Dr. Mencil Edina	Treatment of chronic HCV infection (4522/2019)
Dr. VisnyovszkyÁdám	Clinical examination of CSF abnormality (ethical permission is in progress)
Dr. med. habil. SzepesZoltán, PhD, associate professor, Dr. Bor Renáta, assistant lecturer	Palliative endoscopic treatment in GI track.
Dr. med. habil. SzepesZoltán, PhD, associate professor, Dr. Bor Renáta, assistant lecturer	Clinicopathological examination of colorectal cancers.
Dr. med. habil. SzepesZoltán, PhD, associate professor, Dr. Bor Renáta, assistant lecturer	Endoscopic treatment of early rectal cancers.
Dr. med. habil. SzepesZoltán, PhD, associate professor, Dr. Bor Renáta, assistant lecturer	Assessment of quality of endoscopic examinations.
Dr. med. habil. SzepesZoltán, PhD, associate professor, Dr. Bor Renáta, assistant lecturer	Operative gastrointestinal endoscopy.
Dr. med. habil. SzepesZoltán, PhD, associate 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 lecturer	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 senior lecturer, Dr. Bálint Anita PhD, Dr. Rutka Mariann PhD	Inflammatory bowel diseases.
Prof. Dr. Molnár Tamás, Dsc, professor, Dr Farkas Klaudia senior lecturer, Dr. Bálint Anita PhD, Dr. Rutka Mariann PhD	Histological and endoscopic healing –what is the difference
Prof. Dr. Molnár Tamás, Dsc, professor, Dr Farkas Klaudia senior lecturer, Dr. Bálint Anita PhD, Dr. Rutka Mariann PhD	Fecal microbiota transplantation
Prof. Dr. Molnár Tamás, Dsc, professor, Dr Farkas Klaudia senior lecturer, Dr. Bálint Anita PhD, Dr. Rutka Mariann PhD	Mikrobiom és IBDMicrobiome and IBD
Prof. Dr. Molnár Tamás, Dsc, professor, Dr Farkas Klaudia senior lecturer, Dr. Bálint Anita PhD, Dr. Rutka Mariann PhD	Colorectal carcinomas.
Dr. Valkusz Zsuzsanna, PhD, senior clinical doctor	MEN syndrome.
Dr. Valkusz Zsuzsanna, PhD, senior clinical doctor	Pituitary disease
Dr. Sepp Krisztián, assistant lecturer	Thyroid gland cancers.
Dr. Magony Sándor, senior clinical doctor	Investigations of neuropathic conditions in endocrine diseases.
Dr. Nagy István, senior clinical doctor, Dr. Pálvolgyi Attila, senior clinical doctor, Dr. Czepán Mátyás PhD, senior lecturer	Chronic hepatitis B.
Dr. Nagy István, senior clinical doctor, Dr. Pálvolgyi Attila, senior clinical doctor, Dr. Czepán Mátyás PhD, senior lecturer	Chronic hepatitis C.
Dr. Nagy István, senior clinical doctor, Dr. Pálvolgyi Attila, senior clinical doctor, Dr. Czepán Mátyás PhD, senior lecturer	Chronic liver diseases other than HBV and HCV.
Dr. Légrády Péter PhD, senior lecturer, Dr. Letoha Annamária, senior clinical doctor	Characteristics of antihypertensive treatment of diabetic hypertensive patients based on different guidelines and real clinical practices.
Dr. Légrády Péter PhD, senior lecturer	Characteristics of adult minimal change disease.

Instructor's name, position, academic qualification	Thesis topic
Dr. Légrády Péter PhD, senior lecturer, Dr. Fejes Imola, assistant lecturer	Investigation of arterial stiffness, central blood pressure and baroreflex-sensitivity among hypertensive patients with and without CKD.
Dr. Légrády Péter PhD, senior lecturer, Prof. Dr. Ábrahám György professor	Investigation of central blood pressure, arterial stiffness and baroreflex-sensitivity in hypertensive patients with and without diabetes mellitus.
Dr. Légrády Péter PhD, senior lecturer Dr. Fejes Imola, assistant lecturer	A Potential associations between glomerular volume characterized with histological investigations and clinical parameters.
Dr. Légrády Péter PhD, senior lecturer	Seasonal changes of kidney function of CKD patients.
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. Organoid cultures in the gastrointestinal research.
Dr. Maléth József, PhD, research fellow	Organoid cultures in the gastrointestinal research.
Dr. Németh Balázs PhD, belgyógyász szakorvosjelölt	The genetics of chronic pancreatitis.(ETT TUKEB 22254-1/2012/EKU)
Dr. Pallagi Petra PhD, assistant research fellow	Investigation of ethiological background of pancreatic involvement in inflammatory bowel disease
Dr. Pallagi Petra PhD, assistant research fellow	Animal models in the gastrointestinal research.
2nd Department of Internal Medicine	
Timea Pálfi Gurbity MD., Ph.D.	Current treatment and diagnosis of gastrointestinal lymphomas
Timea Pálfi Gurbity MD., Ph.D.	The connection between chronic lymphoid leukaemia and solid tumours
Szabolcs Modok, MD, PhD	Current therapy of mantle cell lymphoma
Szabolcs Modok, MD, PhD	Genetics and classification of multiple myeloma
Róbert Sepp MD, PhD	Genotype-phenotype correlations in hypertrophic cardiomyopathy
Róbert Sepp MD, PhD	Molecular genetics of long-QT syndrome
András Farkas MD, PhD	Do arrhythmia definitions determine the results of arrhythmia studies?
András Farkas MD, PhD	Is a single ECG lead sufficient for proarrhythmia investigations?
Prof. Attila Nemes MD, PhD	The role of 3-dimensional speckle-tracking echocardiography in clinical decision making.
Klára Piukovics MD, PhD	Infectious complications in patients with acute myeloid leukaemia.
Maté Vámos MD, PhD	Modern cardiac resynchronisation therapy
Maté Vámos MD, PhD	The role of implantable defibrillator therapy (ICD) in the long-term clinical outcomes of patients with channelopathies
Maté Vámos MD, PhD	Prevention of implantable cardiological device (CIED) infections
Maté Vámos MD, PhD	The role of antiarrhythmic medication after atrial fibrillation ablation
Department of Medical Biology	
Prof. Zsolt Boldogkői university professor and Dr. Dóra Tombácz assistant professor	Genetic analysis of complex diseases: suicide/depression
Prof. Zsolt Boldogkői university professor and Dr. Dóra Tombácz assistant professor	Transcriptional analysis of herpesviruses
Prof. Zsolt Boldogkői university professor and Dr. Dóra Tombácz assistant professor	Analysis of Transcriptional Interference Networks (TINs)
Department of Medical Chemistry	
Dr. Gábor Tóth university professor	Posttranslational modification of natural peptides by chemical methods.
Dr. Gábor Tóth university professor	Synthesis of peptide toxins with multiple disulphide bridges.
Dr. Gábor Tóth university professor, Dr. Zsolt Bozsó assistant professor	Synthesis and study of several glycopeptides.
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

Instructor's name, position, academic qualification	Thesis topic
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	Study of the anion transport by NMR spectroscopy.
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
Department for Medical Communication and Translation Studies	
Dr habil. Csilla Keresztes (assistant professor)	Language barriers in doctor-patient communication
Department of Medical Microbiology and Immunobiology	
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
Valéria Endrész, senior research fellow, Ph.D.	<i>Bartonella bacilliformis</i> and Oroya-fever
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.	Antimicrobial resistance
Tímea Mosolygó, assistant professor, MD., Ph.D.	Vaccines of the future
Tímea Mosolygó, assistant professor, MD., Ph.D.	Antimicrobial activity of different compounds
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.	Assessment of acoustic characteristics of respiratory diseases by telemedicine
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
Zölei-Szénási Ráhel PhD student	Methods of signal analysis in the investigation of atrial fibrillation
Dr. Fodor Gergely assistant professor Ph.D.	Respiratory mechanical investigations in small animal models
Department of Medical Rehabilitation and Physical Medicine	
Dr. István Kósa, head of department, associate professor	Effects of telemonitored trainings on patients with metabolic syndrome
Dr. István Kósa, head of department, associate professor	Effects of complex lifestyle intervention on physiological parameters of patients with metabolic syndrome
Dr. Beatrix Rafael deputy head of department, senior lecturer	Role of psychosocial factors in chronic diseases

Instructor's name, position, academic qualification	Thesis topic
Department of Neurology	
Dr. Bencsik Krisztina Associate Professor	Clinical aspects of multiple sclerosis.
Dr. Dézsi Livia Junior Assistant Professor	Polynuropathies. 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 inneurology.
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.
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 disgnostics 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.
Department of Neurosurgery	
Dr. Barzó Pál (PhD, habil.,head of department, professor), Dr. Varga Ádám (clinician	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
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 (clinician)	Neurosurgical treatment options for neurovascular syndromes
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Balázsfi Márton (clinician)	Hydrocephalus internus, normal pressure hydrocephalus – diagnostic methods and treatment.
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Németh Tamás (clinician)	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 (head clinician)	Degenerative cervical spine diseases and treatment methods
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Tóth Tamás (clinician)	Indications of stabilization techniques in degenerative lumbar spine diseases
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Mencser Zoltán ((head clinician)	Minimal invasive lumbar spine surgery: types, techniques and approaches

Instructor's name, position, academic qualification	Thesis topic
Dr. Barzó Pál (PhD, habil., head of department, professor), Dr. Kis Dávid (PhD, assistant lecturer)	Endoscope and microscope assisted minimal invasive brain surgery etikai engedély száma: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. etikai engedély száma:25/2015
Dr. Barzó Pál (Phd, habil., head of department, professor), Dr. Kis Dávid (PhD, assistant lecturer)	Neurosurgical treatment of chronic pain syndromes (etikai engedély száma:110/2012)
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	Multidisciplinary Approach of the Imaging of Seronegative Spondyloarthritis
Dr. Besenyi Zsuzsanna, specialist of nuclear medicine and radiology, MD	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
Department of Obstetrics and Gynaecology	
Dr. Pásztor Norbert	Risk factors and outcome of deliveries with meconium-stained amniotic fluid
Dr. Pásztor Norbert	Microbiological results of the ejaculates of infertile men
Dr. Novák Tibor	Study of the relation between pregnancy and maternal dental diseases.
Dr. Varga-Tóth Andrea	Sexual behavior among young couples
Prof. Dr. Orvos Hajnalka	Neonatal outcome of mothers with epilepsy
Prof. Dr. Orvos Hajnalka	Epidemiology of preterm birth and its prevention
Dr. Pál Zoltán	Psychiatric changes int he 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. Kalmár László	Operative therapy in malignant gynecology deseases and life quality
Dr. Molnár András	The treatment of polycystic ovary syndrome.
Dr. Fekete Zoltán	Methods of mesh and non-mesh techniques.
Department of Oncotherapy	
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

Instructor's name, position, academic qualification	Thesis topic
Dr. Torday László PhD, senior lecturer	Clinical experience with capecitabine+bevacizumab protocol in palliative therapy of metastatic colorectal cancer
Department of Ophthalmology	
Dr. Végh Mihály associate professor, PhD, habil	Benefits of wearing daily disposable contact lenses
Dr. Orosz Zsuzsanna associate professor, PhD	Tear Film Stability
Dr. Orosz Zsuzsanna associate professor, PhD	Management and Clinical Outcome of Penetrating Keratoplasty
Dr. Hári-Kovács András senior lecturer, PhD	Astigmatism correction by insertion of Acrysof SN6AT and Precizon toric intraocular lenses: analysis of the surgical outcome.
Dr. Sohár Nicolette senior lecturer, PhD	Complications of juvenile uveitis
Dr. Gyetvai Tamás head clinician	Visual outcome following cataract surgery
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 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 assistant lecturer	Audiological examinations of bone anchored hearing aid systems
Dr. János Jarabín assistant lecturer	Differential diagnostics of vestibular disorders
Dr. Gábor Vass assistant lecturer	Surgical methods of the tumors of the sinuses with covert approaches, the facial degloving technique
Dr. Gábor Vass assistant lecturer	Disturbed wound healing following the surgeries of implantable hearing aid systems – surgical methods and the possibilities of prevention
Dr. Diána Szabó – assistant lecture	New therapeutic options in peripherae n. facialis palsy.
Dr. Perényi Ádám – assistant lecturer	Implanted devices and imaging diagnostics in ENT – what examinations can be performed with what expectations and limitations?
Dr. Perényi Ádám – assistant lecturer	Speech discrimination, directional hearing, quality of life, social status and satisfaction of patients with cochlear implants
Dr. Perényi Ádám – assistant lecturer	Speech discrimination, directional hearing, quality of life, social status and satisfaction of patients with middle ear implants
Department of Pathology	
Dr. Hortobágyi Tibor	Comparative molecular pathological examination of primary and metastatic malignant melanoma

Instructor's name, position, academic qualification	Thesis topic
Dr. Hortobágyi Tibor	Cerebral lymphomas
Dr. Tiszlavicz László	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. Kővári Bence	Examination of the diagnostic and prognostic histological markers of inflammatory bowel disease with immunohistochemistry.
Dr. Kővári Bence	Examination of neuroendocrine tumours with immunohistochemistry and molecular pathology 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. Zombori Tamás	Clinicopathological features of neuroendocrine tumours of the lungs.
Dr. Zombori Tamás	Clinicopathological evaluation of perinatal pathological examinations.
Department of Pathophysiology	
Júlia Szakács senior assistant professor, M.D., Ph.D.	Study of the behavioral effects of neuropeptides
Zsófia Mezei, associate professor, M.D., Ph.D.	Role of platelets in the pathophysiological processes
Zsófia Mezei, associate professor, M.D., Ph.D.	Role of human platelets in the pathomechanism of neurological disorders
Zsófia Mezei, associate professor, M.D., Ph.D.	Examination of intracellular processes in diabetic rat platelets
Zsófia Mezei, associate professor, M.D., Ph.D.	Examination of intracellular processes in platelets of rats with heart failure
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 off 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 social interaction
Zsolt Bagosi, senior assistant professor, M.D., Ph.D.	The role CRF and urocortins in drug addiction
Zsolt Bagosi, senior assistant professor, M.D., Ph.D.	The effects of neuropeptides on hypothalamic neurohormones
Zsolt Bagosi, senior assistant professor, M.D., Ph.D.	The effects of neuropeptides on extra-hypothalamic neurotransmitters
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 Ibos, Ph.D. student, 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
Teachers of the Department - by agreement	Any topic from Pathophysiology

Instructor's name, position, academic qualification	Thesis topic
Department of Pediatrics	
Dr. Kapornai Krisztina, PhD	Risk factors of childhood-onset depression
Dr. Kiss Enikő PhD	Risk and protective factors in childhood and adolescent psychiatric problems
Dr. Tóth Anett PhD	Selective mutism
Dr. Kacsvinszky Emília	PTSD and its treatment
Dr. Dochnál Roberta	Non-suicidal self-injury in children and adolescents
Dr. Szabó Krisztina	Cognitive-behavioral treatment of ADHD
Kakuszi Szilvia	Eating disorders
Dr. Szűcs Szabina	Autism spectrum disorder
Dr. Szűcs Szabina	Adolescent antecedents of personality disorders
Department of Pharmacology and Pharmacotherapy	
<p><u>Thesis coordinator: Dr. István Koncz PhD</u></p> <p>Homepage: http://web.med.u-szeged.hu/phcol/</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. 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 $\text{Na}^+/\text{Ca}^{2+}$ 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: ETT TUKEB 25229-5/2018/EKU and ETT TUKEB 34124-1/2019/EKU)
Dr. István Koncz MD PhD	J wave syndromes (Early Repolarization Syndrome)
Dr. István Koncz MD PhD	Antiarrhythmic drugs. (Authority approval is not needed)
Dr. med. habil. Péter Bencsik assistant professor, PhD	Cardioprotective mechanisms against ischemia/reperfusion injury /Ethical approval No. XXVIII./171/2018.
Dr. med. habil. Péter Bencsik assistant professor, PhD	Cardioprotection evoked by ischemic pre- and postconditioning in rodent models of acute myocardial infarction and chronic post-infarction heart failure / Ethical approval No. XXVIII./171/2018.
Dr. med. habil. Péter Bencsik assistant professor, PhD	Investigation of cardioprotective processes against reperfusion injury after myocardial infarction/ Ethical approval No. XXVIII./171/2018.
Dr. med. habil. Péter Bencsik assistant professor, PhD	The effects of hyperlipidemia on myocardial ischemic stress adaptation/ Ethical approval No. XXVIII./171/2018.
Dr. med. habil. Péter Bencsik assistant professor, PhD	The role of matrix metalloproteinases in myocardial ischemic stress adaptation and in disease models / Ethical approval No. TUKEB 53010/2012/EKU (799/PI/12.)
Dr. med. habil. Péter Bencsik assistant professor, PhD	MicroRNA network mapping and target analysis in cardiovascular diseases co-supervisor: Prof. Dr. med. habil. PéterFerdinandy, PhD, DSc, MBA. (no need for ethical approval)

Instructor's name, position, academic qualification	Thesis topic
Dr. med. habil. Görbe Anikó assistant professor, PhD	Investigation of cardioprotection in cultured cardiac myocytes(no need for ethical approval)
Dr. med. habil. Görbe Anikó assistant professor, PhD	Ischemic conditionings in stem cell-derived cardiac myocytes (no need for ethical approval)
Dr. med. habil. Görbe Anikó assistant professor, PhD	Investigation of comorbidities and hyperlipidemia in cultured cardiac myocytes faced to simulated ischemia/reperfusion induced injury (no need for ethical approval)
Dr. Szűcs Kálmán, PhD	Pharmacology of inflammatory bowel diseases (Authority approval is not needed)
Dr. Gáspár Róbert, PhD	Pharmacological and therapeutic aspects of contraception (Authority approval is not needed)
Department of Physiology	
Dr. Bodosi Balázs, senior lecturer, PhD, Dr. Nagy Attila, associate professor, PhD	Sleep research on rats
Dr. Bodosi Balázs, senior lecturer, PhD, Dr. Nagy Attila, associate professor, PhD	
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, associate professor, PhD	Study of the sensory and vascular functions of the dura mater encephali in an experimental model of migraine headache
Dr. Dux Mária, associate professor PhD, Tóthné Dr. Rosta Judit, associate professor, PhD	
Dr. Horváth Gyöngyi professor, MTA doktora	Investigation of new therapeutic ways in a chronic schizophrenia rat model
Dr. Horváth Gyöngyi professor, MTA doktora	Investigation of spatial learning capability in a chronic schizophrenia rat model
Dr. Horváth Gyöngyi professor, MTA doktora	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, MTA doktora	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

Instructor's name, position, academic qualification	Thesis topic
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. Nagy Attila, associate professor, PhD, Dr. Eördegh Gabriella, college associate lecturer, PhD, SZTE ETSZK	
Dr. Nagy Attila, associate professor, PhD, Dr. Eördegh Gabriella, college associate lecturer, PhD, SZTE ETSZK	
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, MTA doktora	Electrophysiology of the primate visual system.
Karcsuné Dr. Kis Gyöngyi, senior lecturer, PhD	The peripheral antinociceptive effects of oxytocin and their cellular and molecular mechanisms
Karcsuné Dr. Kis Gyöngyi, senior lecturer, PhD	Morphological and functional characterisation of chemosensitive afferent nerves of the dental pulp
Tóthné Dr. Rosta Judit, senior lecturer, PhD	The role of insulin-sensitive trigeminal afferent neurons in the pain perception
Department of Public Health	
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 nurses' health status and health behaviour – literature review.
Department of Pulmonology	
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	Monitoring of composition of body mass in rehabilitation of COPD patients
Prof. Attila Somfay MD, Imre Lajkó MD	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	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

Instructor's name, position, academic qualification	Thesis topic
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 Pálfoldi MD, PhD	Hyponatraemia as a prognostic factor in SCLC (small cell lung cancer)
Regina Pálfoldi MD, PhD	Chemotherapy induced neutropenia and its treatment
Regina Pálfoldi MD, PhD	Extrapulmonary manifestation in sarcoidosis
Gábor Ádám MD	Sreening of sleep apnoe with polygraph
Katalin Ugocsai MD, PhD, Ágnes Kovács MD	Pulmonary and cardiac components of dyspnoe in COPD
Katalin Ugocsai MD, PhD, Ágnes Kovács MD	Non-invasive ventilatory support in acute respiratory insufficiency
Katalin Ugocsai MD, PhD, Judit Tóth-Lipták MD, PhD	Pleural fluid cell block analysis in patients with lung disease
Department of Radiology	
Dr. Gion Katalin, Dr. Bartha Éva	Diagnostic imaging of osteoporosis
Dr. Gion Katalin, Dr. Bartha Éva	E-mail: eva.bartha21@freemail.hu
Dr. Gion Katalin	Ankle pain: ankle impingement syndrome
Dr. Gion Katalin	E-mail: gion.katalin@gmail.com
Dr. Kincses Zsigmond Tamás	Quantitative imaging in neurological disorders
Dr. Kincses Zsigmond Tamás	E-mail: kincses.zsigmond.tamas@med.u-szeged.hu
Dr Séllei Ágnes	MRI and CT imaging of the cardiovascular system
Dr Séllei Ágnes	E-mail: agnes.sellei@gmail.com
Department of Rheumatology and Immunology	
Dr. Varga Borisz	The role of kinurenic acid metabolism and kinurenic acid analogues in systemic inflammatory rheumatic disease.
Dr. Bocskai Márta assistant lecturer	Alterations in pyrophosphate metabolism and its modification in relation to calcinosis in scleroderma
Dr. Honfi Dániel rezidens	The clinical presentation and disease course in ANCA-associated vasculitides

Instructor's name, position, academic qualification	Thesis topic
Department of Surgery	
Prof. Dr. Lázár György head of department, professor	The complex treatment of the esophageal cancer
Prof. Dr. Lázár György head of department, professor	The clinicum and surgery of the functional esophageal disorders
Prof. Dr. Lázár György head of department, professor	New indications in the minimal invasive surgery
Prof. Dr. Lázár György head of department, professor	Minimally invasiv surgery of the GI tract
Prof. Dr. Lázár György head of department, professor	Surgery of the breast cancer
Prof. Dr. Lázár György head of department, professor	Surgery of the IBD
Prof. Dr. Petri András professor	The surgical treatment of the focal benign liver tumors
Prof. Dr. Petri András professor	Complex treatment of the liver abscesses
Prof. Dr. Petri András professor	Surgery of the liver metastasis of the colorectal cancer
Dr. Furák József associate professor	Surgical treatment of the lung cancer
Dr. Furák József associate professor	Prognostic factors in lung cancer
Dr. Furák József associate professor	Surgery of the mediastinum
Dr. Furák József associate professor	Surgical treatment of the recidives of the Crohn disease
Dr. Furák József associate professor	The role of neoadjuvant radio-chemotherapy in the treatment of rectum tumours
Dr. Furák József associate professor	The role of neoadjuvant radio-chemotherapy in the treatment of gastric cancer
Dr. Furák József associate professor	Complex treatment and surgical aspects of GIST
Dr. Furák József associate professor	Surgical treatment types of the stomach's benign and malign tumours
Dr. Farkas Gyula Jr. senior lecturer	The changes of surgical therapy in the treatment of CP
Dr. Farkas Gyula Jr. senior lecturer	The possibilities of the treatment of pancreatic cancers in the view of the duration of symptoms
Dr. Palásthy Zsolt senior lecturer	Reconstruction of visceral arteries
Dr. Palásthy Zsolt senior lecturer	Hybrid surgical treatment of lower extremity artery stenosis
Dr. Palásthy Zsolt senior lecturer	The possibilities of the treatment of aorta aneurisms
Dr. Palásthy Zsolt senior lecturer	Reconstructions of the internal carotid artery
Dr. Szederkényi Edit senior lecturer	Role of patient adherence in kidney graft survival
Dr. Szederkényi Edit senior lecturer	Incidence of urological complications after kidney transplantation
Dr. Szederkényi Edit senior lecturer	The incidence of the malignant tumor after kidney transplantation
Dr. Szederkényi Edit senior lecturer	Results of the marginal Kidneys transplanted patients
Dr. Szederkényi Edit senior lecturer	Early complications after Kidney transplantation
Dr. Ábrahám Szabolcs senior lecturer	Role of intraoperative endoscopy in the colorectal oncological surgery
Dr. Ábrahám Szabolcs senior lecturer	Theraphy of the perianal fistula in Crohn disease
Dr. Ábrahám Szabolcs senior lecturer	The role of ultrasound guided drainage in the therapy of acute choletistitis
Dr. Simonka Zsolt senior lecturer	Application of negative-pressure wound therapy in general surgery
Dr. Simonka Zsolt senior lecturer	Complex surgical management of breast cancer
Dr. Simonka Zsolt senior lecturer	Volumetric measurement and determination of breast cancer with the use of breast MRI
Dr. Simonka Zsolt senior lecturer	Surgical management of acute abdominal diseases
Dr. Höhn József senior lecturer	Postoperative effects of Pringle maneuver after liver resections
Dr. Höhn József senior lecturer	The importance of CT volumetry in liver surgery
Dr. Höhn József senior lecturer	Liver resections due to primary and metastatic cancer
Dr. Takács Tibor senior lecturer	The treatments of the aorto-iliac vascular disaeses
Dr. Takács Tibor senior lecturer	The treatments of the inguinal vascular disaeses
Dr. Borda Bernadett senior lecturer	Frequency and treatment of the anaemia after kidney transplantation
Dr. Borda Bernadett senior lecturer	Causes, diagnosis and presentation of the DM after kidney transplantation

Instructor's name, position, academic qualification	Thesis topic
Institute of Surgical Research	
Prof. Dr. habil. Mihály Boros, M.D., Ph.D., D.Sc., Head of Department, Dr. Gabriella Varga, Ph.D., assistant professor	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., assistant 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. Petra Hartmann Ph.D., assistant professor	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 Tallósy, Ph.D., assistant research fellow	Acting mechanism and interplay of biologically active gases in sterile inflammation and <i>in vitro</i> systems.
Dr. habil. József Kaszaki, Ph.D., associate professor, Dr. Marietta Poles, Ph.D., assistant research fellow	Examination of the hypoxia-induced intestinal motility dysfunction –significance of the neuroprotection.
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. Petra Hartmann, Ph.D., assistant professor, Dr. László Juhász, Ph.D., assistant 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., assistant research fellow	Assessment of mitochondrial function of the enteral mucosa in physiological and pathophysiological states.
Dr. Gabriella Varga, Ph.D., assistant professor, Dr. Dániel Érces, Ph.D., assistant professor	Assessment of the hemodynamic and biochemical consequences of partial aorta occlusion in experimental animal model.
Dr. Gabriella Varga, Ph.D., assistant professor, Dr. Dániel Érces, Ph.D., assistant professor	Early non-invasive diagnosis of circulatory shock induced gastrointestinal circulatory disorders.
Dr. Petra Hartmann, Ph.D., assistant professor	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., assistant professor	Non-bacterial methane production: molecular mechanism and significance in clinical diagnostics.
Dr. Gabriella Varga, Ph.D., assistant professor, Dr. Dániel Érces, Ph.D., assistant professor	Examination of the complications of extracorporeal circulation on a large animal model.
Dr. Gabriella Varga, Ph.D., assistant professor, Dr. Dániel Érces, Ph.D., assistant professor	Non-invasive investigation of the lung and gastrointestinal microcirculation.
Dr. habil. József Kaszaki, Ph.D., associate professor, Dr. Szabolcs Péter Tallósy, 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., assistant 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., assistant 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., assistant 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., assistant research fellow	State-of-the-art assessment methods for quantification of surgical skills.
Department of Traumatology	
Prof. Dr. Endre Varga Head of the Department Ph. D.	Finite Element Analysis in trauma surgery.
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.

Instructor's name, position, academic qualification	Thesis topic
Department of Urology	
Dr. Molnár Sándor, senior clinical doctor	Laparoscopic urology
Dr. Papos István, senior clinical doctor	Laser therapy of male genital organs
Dr. Papos István, senior clinical doctor	Reconstruction with bowel int he urology
Dr. Király István PhD, assistant lecturer	Urethroplasty
Dr. Szalay István, senior clinical doctor	Kidney cancer
Dr. Király István PhD, assistant lecturer	Transsexual operations
Prof. Dr. Bajory Zoltán, professor	Arteficial sphincter
Dr. Deák Gábor, assistant lecturer	Endoscopy of the upper irunary tract
Dr. Király István PhD, assistant lecturer	The role of cryotherapy int he management of prostate cancer