

# Doctoral School of Clinical Medicine

## Faculty of Medicine, University of Szeged

Program head: Prof. Kemény Lajos MD, PhD, DSc

**Chair: Prof. Lajos Kemény MD, DSc**  
Department of Dermatology and Allergology  
H-6720 Szeged, Korányi fasor 6., Hungary  
Phone: (+36 62) 545 277,  
E-mail: [kemeny.lajos@med.u-szeged.hu](mailto:kemeny.lajos@med.u-szeged.hu)

**Assistant Chair: Prof. Zsuzsanna Bata-Csörgő MD, DSc**  
Department of Dermatology and Allergology  
H-6720 Szeged Korányi fasor 6., Hungary  
Phone: (+36 62) 545 996,  
E-mail: [bata.zsuzsa@med.u-szeged.hu](mailto:bata.zsuzsa@med.u-szeged.hu)

**Secretary: Dr. Kornélia Szabó PhD**  
Department of Dermatology and Allergology  
H-6720 Szeged, Korányi fasor 6., Hungary  
Phone: (+36 62) 545 260  
E-mail: [szabo.kornelia@med.u-szeged.hu](mailto:szabo.kornelia@med.u-szeged.hu)

Administrator: Eszter Martinovits  
Department of Dermatology and Allergology  
H-6720 Szeged, Korányi fasor 6., Hungary  
Phone: (+36 62) 546 465  
E-mail: [martinovits.eszter@med.u-szeged.hu](mailto:martinovits.eszter@med.u-szeged.hu)

### 9 Doctoral programs of the Doctoral School:

#### I. Dermatology:

Programme director: Prof. Lajos Kemény MD, DSc  
Department of Dermatology and Allergology  
H-6720 Szeged, Korányi fasor 6., Hungary  
Phone: (+36 62) 545 277,  
E-mail: [kemeny.lajos@med.u-szeged.hu](mailto:kemeny.lajos@med.u-szeged.hu)

#### II. Immunology:

Programme director: Prof. Zsuzsanna Bata-Csörgő MD, DSc  
Department of Dermatology and Allergology  
H-6720 Szeged Korányi fasor 6., Hungary  
Phone: (+36 62) 545 996,  
E-mail: [bata.zsuzsa@med.u-szeged.hu](mailto:bata.zsuzsa@med.u-szeged.hu)

#### III. Reproductive Health:

Programme director: Prof. György Bártfai MD, DSc  
Department of Obstetrics and Gynaecology  
H-6726 Szeged, Semmelweis u. 1., Hungary  
Phone.: (+36 62) 545 499, Fax.: (+36 62) 545 711  
E-mail: [bartfai.gyorgy@med.u-szeged.hu](mailto:bartfai.gyorgy@med.u-szeged.hu)

**IV. Clinical and Experimental Neurosciences:**

Programme director: Prof. László Vécsei MD, MHAS  
Department of Neurology  
H-6726 Szeged, Semmelweis u. 6., Hungary  
Phone: (+36 62) 545 348, Fax: (+36 62) 545 597  
E-mail: [vecsei.laszlo@med.u-szeged.hu](mailto:vecsei.laszlo@med.u-szeged.hu)

**V. Experimental and Clinical Investigation of the Cardiovascular System**

Programme director: Prof. Tamás Forster  
2<sup>nd</sup> Department of Internal Medicine and Cardiology Center  
H-6726 Szeged, Semmelweis u. 6., Hungary  
Phone: (+36 62) 545 820  
E-mail: [forster.tamas@med.u-szeged.hu](mailto:forster.tamas@med.u-szeged.hu)

**VI. Clinical and Experimental Research for Reconstructive and Organ-Sparing Surgery**

Programme director: Prof. György Lázár  
Department of Surgery  
H-6725 Szeged, Semmelweis u. 8.  
Phone: (+36 62) 545 445  
E-mail: [Lazar.gyorgy@med.u-szeged.hu](mailto: Lazar.gyorgy@med.u-szeged.hu)

**VII. Study on the Pathomechanism and Therapeutic Possibilities of Different Diseases in Children**

Programme director: Prof. Márta Katona  
Department of Pediatrics  
H-6720 Szeged, Korányi fasor 14-15.  
Phone: (+36 62) 545 330  
E-mail: [katona.marta@med.u-szeged.hu](mailto:katona.marta@med.u-szeged.hu)

**VIII. Dental Medicine (*Research in Dental Medicine*) >>**

Programme director: Prof. János Minárovits  
Department of Oral Biology and Experimental Dentistry  
H-6720 Szeged, Tisza Lajos körút 64-66.  
Phone: (+36 62) 342 532  
E-mail: [minarovits.janos@stoma.szote.u-szeged.hu](mailto: minarovits.janos@stoma.szote.u-szeged.hu)

**IX. Translational Medicine**

Programme director: Prof. Dr. Péter Hegyi  
1<sup>st</sup> Department of Internal Medicine  
H-6720 Szeged, Korányi fasor. 8-10.  
Phone: (+36 62) 545 200  
E-mail: [hegyi.peter@med.u-szeged.hu](mailto:hegyi.peter@med.u-szeged.hu)

**HAC accreditation** of the CMS Doctoral School:

number of resolution:

resolution date:

expiration date:

full compliance

2017/6/IX/26/2/1120

2017. VII. 07.

2019. XII. 31.

Current thesis topic proposals of University of Szeged, Doctoral School of Clinical Medicine (2018 Autumn)

<https://doktori.hu/index.php?menuid=116&lang=EN>

Current thesis topic proposals of CM Doctoral School (2018 Autumn)			
thesis supervisor	research topic	deadline for application	location of studies (in Hungarian)
<u>Tamás Molnár</u>	<u>Inflammatory Bowel Diseases</u>	2019-01-10	1BEL
<u>András Mihály</u>	<u>Pathomechanisms of neurodegeneration in epilepsy</u>	2019-01-10	ANAT
<u>András Mihály</u>	<u>Pathomechanisms of neurodegeneration in epilepsy</u>	2019-01-10	ANAT
<u>László Seres</u>	<u>Investigation of epidemiology and effect of medication related osteonecrosis of the jaw on the quality of life</u>	2019-01-10	ARCÁL
<u>László Seres</u>	<u>A multidisciplinary online database for Gorlin-Goltz syndrome</u>	2019-01-10	ARCÁL
<u>Róbert Sepp</u>	<u>Genetic analysis of familial heart muscle diseases.</u>	2019-01-10	BEL2
<u>Kornél Kovács</u> <u>Kinga Turzó</u>	<u>Interaction between bacteria and biomaterials in the oral cavity</u>	2019-01-10	BIOTE
<u>Márk Antal</u>	<u>Synergy between Tobacco Smoking and Periodontitis in Systemic Diseases</u>	2019-01-10	FOG
<u>Kinga Turzó</u>	<u>Role of the microstructure of implant surfaces and surface modifications enhancing osseointegration</u>	2019-01-10	FOG
<u>Melinda MadlÉna</u>	<u>Investigations in pediatric dentistry, orthodontics and dental prevention</u>	2019-01-10	FOK
<u>Márk Tibor Fráter</u>	<u>Fibre-reinforced biomimetic direct and indirect restorations</u>	2019-01-10	FOK
<u>József Géza Kiss</u>	<u>Objective audiometrical and psychophysical investigation in case of cochlear implant</u>	2019-01-10	FÜL
<u>László Rovó</u>	<u>Technological development of new microsurgical technics and methods in airway surgery</u>	2019-01-10	FÜL
<u>József Géza Kiss</u>	<u>Cochlear implantation, electrophysiological investigation</u>	2019-01-10	FÜL
<u>Krisztina Kapornai</u>	<u>Biobehavioral inflexibility and juvenile onset major depression</u>	2019-01-10	Gyerm
<u>Enikő Kiss</u>	<u>Pediatric depression and cardiac risk factors.</u>	2019-01-10	GYERM
<u>Balázs Németh</u>	<u>Genetics of Pancreatitis</u>	2019-01-10	IBEL
<u>András Garami</u>	<u>Investigation of the mediators of systemic inflammation in different animal models</u>	2019-01-10	IBEL
<u>András Garami</u>	<u>The role of transient receptor potential ion channels and neuropeptides in the regulation of complex energy balance</u>	2019-01-10	IBEL
<u>Pál Barzó</u>	<u>The importance of cerebral vasoreactivity in different central nervous system diseases.</u>	2019-01-10	IDEG
<u>Pál Barzó</u>	<u>Modern treatment of severe traumatic brain injury (TBI)</u>	2019-01-10	IDSEB
<u>Pál Barzó</u>	<u>The role of functional MRI and DWI imaging (modalities) in neurosurgical and neurological disorders.</u>	2019-01-10	IDSEB
<u>Tibor Varga</u>	<u>The role of alcoholic impairment in traffic</u>	2019-01-10	IGORV

<u>Tibor Varga</u>	<u>The role of licit and illicit drugs in traffic accidents</u>	2019-01-10	IGORV
<u>Péter Tenke</u> <u>Béla Köves</u>	<u>The methods of minimizing iatrogenic infections</u>	2019-01-10	Jahn
<u>Béla Köves</u>	<u>Modern prevention of urinary tract infections</u>	2019-01-10	JAHN
<u>Judit Deák</u>	<u>The role of climate changing in the development of infectious diseases</u>	2019-01-10	KliMi
<u>Oguz Kelemen</u>	<u>Visual and cognitive processes in schizophrenia</u>	2019-01-10	MagTu
<u>József Sóki</u>	<u>Examination of the antibiotic resistance mechanisms of anaerobic pathogens by molecular methods</u>	2019-01-10	MIKRO
<u>Péter Klivényi</u>	<u>Novel therapeutics in neurodegenerative disorders.</u>	2019-01-10	NEURO
<u>Délia Szok</u>	<u>Emotional perception and communication in pain syndromes</u>	2019-01-10	NEURO
<u>Levente Szalárdy</u>	<u>Assessment of biomarkers and pathogenic pathways in neurodegenerative diseases of the central nervous system</u>	2019-01-10	NEURO
<u>Délia Szok</u>	<u>Effect of hormonal contraception to the primary headache disorders</u>	2019-01-10	NEURO
<u>Tamás Bitó</u>	<u>Contraception</u>	2019-01-10	NŐGY
<u>Anikó Maráz</u>	<u>Complex oncological treatment of malignant tumors</u>	2019-01-10	ONKO
<u>Tibor Nyári</u>	<u>Investigation of the role of human papilloma virus in cervical carcinoma</u>	2019-01-10	OrFiz
<u>Tamás Bender</u>	<u>Evidence Based Physiotherapy</u>	2019-01-10	ORTO
<u>László Pajor</u> <u>Farkas Sükösd</u>	<u>Mathematical Description the Quality of Surgical Resection and Its Clinical Importance</u>	2019-01-10	Patho
<u>Zsolt László</u> <u>Datki</u>	<u>Gastrointestinal motility in different psychiatric disorders</u>	2019-01-10	Pszic
<u>Zsolt László</u> <u>Datki</u>	<u>In vivo catabolism of Alzheimer's disease specific beta-amyloid in <i>Philodina acuticornis</i></u>	2019-01-10	PSZIC
<u>Erika Vörös</u>	<u>Modern neuroimaging</u>	2019-01-10	RADIO
<u>Edit Tóth-Molnár</u>	<u>Physiology and pathophysiology of the lacrimal gland. Pharmacological modulation of tear secretion</u>	2019-01-10	SZEM
<u>Edit Tóth-Molnár</u>	<u>Modern imaging techniques in the diagnosis of ocular pathology</u>	2019-01-10	SZEM
<u>György Bártfai</u> <u>Tamás Bitó</u>	<u>Preservation of reproductive health - a holistic approach</u>	2019-01-10	SZÜL
<u>Andrea Surányi</u> <u>Gábor Németh</u>	<u>The investigation of fetoplacental system by ultrasound.</u>	2019-01-10	SZÜL
<u>Zoltán Kozinszky</u>	<u>Questionnaires studies focusing on infertility and pregnancy.</u>	2019-01-10	SZÜL
<u>Zoltán Kozinszky</u>	<u>Pathologic pregnancies: specific interventions, sonographic characteristics, pregnancy outcome</u>	2019-01-10	SZÜL
<u>Zoltán Kozinszky</u>	<u>Contraceptive behaviour in Hungary.</u>	2019-01-10	SZÜL
<u>Tamás Bitó</u>	<u>Diabetes and pregnancy</u>	2019-01-10	SZÜL
<u>Zoltán Bajory</u>	<u>Urological infectology</u>	2019-01-10	UROL
<u>Zoltán Bajory</u>	<u>Circulatory based pathology of the urogenital organs</u>	2019-01-10	UROL

## Study requirements - credit plan:

Duration of the programme: 4+4 semesters

Credits: min. 240 / 8 semesters

- I. Module (I-IV. semester of PhD studies):
  - I.a Basic (obligatory) PhD courses
  - I.b Special (PhD program related) optional PhD courses
- II. Module (I-VIII. semester of PhD studies): Research activities
- III. Module (I-VIII. semester of PhD studies): Educational activities (optional)
- IV. Module: Publication activities (obligatory, continuous)

### I.a Module: Basic (obligatory) PhD courses in the 2018-2019 school year (I-IV. semester of PhD studies, min. 20 credits):

1. **Biostatistics** (=Biostatistics for PhD students) (6 credits)  
Head of the course: Dr. Krisztina Boda  
Schedule: Lecture + practices:  
Department of Medical Informatics and Medical Physics
2. **The use of electronic databases for scientific literature surveys** (2 credits)  
Head of the course: Dr. Zsolt Szakonyi  
Schedule: Semmelweis Dormitory, computer cabinet #2 (Semmelweis str.4.)
3. **Software tools for scientific research** (5 credits)  
Head of the course: Prof. Dr. Ferenc Peták and Dr. József Tolnai  
Schedule:  
Department of Medical Informatics and Medical Physics
4. **Research ethics** (2 Credits)  
Head of the course: Prof. Dr. János Szabó  
Tbd (in one block)
5. **Methodologies of scientific publishing** (1 credit)  
Head of the course: Prof. Dr. Ernő Duda  
Tbd (in one block)

### I.b Module: Special (PhD program related) optional PhD courses in the 2018-2019 school year (I-IV. semester of PhD studies, min.18 credits):

Clinical immunology and allergology (Prof. Zsuzsanna Bata, [bata.zsuzsa@med.u-szeged.hu](mailto:bata.zsuzsa@med.u-szeged.hu))  
Clinical dermatology (Prof. Lajos Kemény, [kemeny.lajos@med.u-szeged.hu](mailto:kemeny.lajos@med.u-szeged.hu))  
Regenerative Medicine and Stem Cell Biology (Zoltán Veréb, [vereb.zoltan@med.u-szeged.hu](mailto:vereb.zoltan@med.u-szeged.hu))  
Selected chapters of immunology (Zoltán Veréb, [vereb.zoltan@med.u-szeged.hu](mailto:vereb.zoltan@med.u-szeged.hu))

**Complex exam:** obligatory, at the end of the IV<sup>th</sup> semester

**II. Module: Research activities:** obligatory (I-VIII. semester), max. 176 credits/8 semester  
Research work (obligatory, max. 20 credits/semester).  
Work report (obligatory, at the end of every school year), 3 credits/report.

**III. Module: Educational activities** (optional)

**IV. Module: Publication activities** (obligatory, continuous)

- publication (min. 2 scientific journal article)
- congress participation (international):
  - with oral presentation: 5 credits
  - with poster: 5 credits
  - participation without oral pres. or poster: 2 credits

## About Doctoral Programs >>:

### Who should apply?

We expect applicants to be interested in the research programmes published on our website, and it is an advantage if the applicant has a background in scientific research.

### Application requirements:

Certificates of language proficiency in English: at least intermediate level certified by internationally accredited language examination (TEL C B2, ECL B2, TOE FL iBT test score of at least 72, or PBT score at least 550; Cambridge First Certificate at least "B"; IELTS S score of at least 5.5) and on individual interview online. Specific expectations: students having previous scientific work in the above fields. **Applicants should choose a topic proposal, contact the relevant supervisor of the proposal and agree on the given research theme, before submitting the application.**

*\*Academic Records: an official English version OR translation of your full Bachelor's transcript including an explanation of the grading system, and an official English version OR translation of your Bachelor's degree.*

### Application for a doctoral program:

<https://www.u-szeged.hu/doctoral/doctoral-studies-161201/doctoral-studies>

### Online application: >>

Start of the programme: September of each year

Tuition fee: 5000 EUR per semester

Other fees: 30 EUR entrance exam fee

Level of the programme PhD

Application for a doctoral program can be done using the **electronic application form** (open from 15th of April to 15th of May each year). Consider the theses topic proposals of our university at the homepage of the Hungarian Doctoral Council.

### Stipendium Hungaricum Scholarship Programme

The Stipendium Hungaricum programme consists of intergovernmental contracts that are made in favour of the opening towards the East and South in the form of bilateral agreements. For more information and application please visit >>.