



# Doctoral School of Health Sciences



University of Pécs,  
Faculty of Health Sciences





# Doctoral School of Health Sciences



**Institution:** University of Pécs, Faculty of Health Sciences

**Doctoral School:** Doctoral School of Health Sciences

**Head of Doctoral School:** **Prof. József BÓDIS MD, PhD, D.Sc.**

university professor

rector of the University of Pécs

doctor of the Hungarian Academy of Sciences

**Area of Science:** Medical Sciences

**Division of Science:** Health Sciences

**Type of Issued Degree:** PhD

**Year of Establishment:** 2006

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Hungary-7621 Pécs, Vörösmarty u. 4.



# Doctoral School of Health Sciences



## Core members

Our **core members** are university professors (med. habil.) of the Faculty of Health Sciences. Four of the members are Doctor of the Hungarian Academy of Sciences.

Our **mission** is to provide support to our students in their research field for their scientific work, publishing novel results, international dissemination and for getting acquainted with the most recent protocols and methods.





# Doctoral School of Health Sciences



## Research Topics

As a result, researchers gaining their PhD-degree from our Doctoral School are working on **various topics and fields** of health sciences.

The research topics of our Doctoral School are continuously **expanding** by the new results obtained by the PhD students.

These **novel results** will be not only published in national and international papers but also **integrated** in these research topics.

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# Doctoral School of Health Sciences



<http://doktoriiskola.etk.pte.hu/programok.php>



# Doctoral School of Health Sciences



University of Pécs Faculty of Health Sciences		
Programmes of the Doctoral School of Health Sciences September 2014		
Head of Doctoral School: Prof. Dr. Bódis, József MD., PhD., DSc.		
	Area of Study	Name of Programmeleader / supervisor
Programme Nr.1 / PR-1	FRONTIERS OF HEALTH SCIENCES	Prof. Dr. Kovács, L. Gábor programme leader
E-1	The effects of social differences on the health care system	Dr. Betlehem József supervisor
E-2	Role of simulated practical training in health care education	Dr. Betlehem József supervisor
E-3	Characteristics of medical provision for various types of catastrophic events	Dr. Betlehem József supervisor
E-4	The context of health economics, quality assurance and performance monitoring in case of public health programmes	Dr. Boncz, Imre supervisor, Dr. Gulácsi, László co-supervisor
E-5	Financial questions of the health care system	Dr. Boncz, Imre supervisor
E-7	Recreation - wellness - health condition	Dr. Jeges, Sára supervisor
E-8	System of values - quality of life - health condition	Dr. Jeges, Sára supervisor
E-9	Testing biorhythms. Examination of biological oscillators' regulatory mechanisms in animal testing models and in vitro system	Dr. Józsa, Rita supervisor
E-10	Chronobiological tests in shift work: examination of external factors' (light/non-light stimuli) effects on human physiological parameters with daily rhythmical variation (melatonin secretion, cardiovascular, hormonal, and mental functions)	Dr. Józsa, Rita supervisor
E-11	Fundamental questions in health care management	Dr. Kovács, L. Gábor supervisor, Dr. Boncz, Imre co-supervisor
E-12	The health status of the population and social factors. Determinants of the work satisfaction and the health status of health professionals	Dr. Lampek, Kinga supervisor
E-13	Social and gender disparities of the population based on follow-up studies in Baranya County, Hungary	Dr. Lampek, Kinga supervisor
E-14	Diversity and prejudice. The health status of the Roma population in Hungary and their relationship with the health institutions	Dr. Lampek, Kinga supervisor
E-15	Effects of working in three-shift system on biorhythm.	Dr. Oláh, András supervisor
E-16	Linguistic aspects of health sciences	Dr. Rébék-Nagy, Gábor supervisor, Dr. Boronkai, Dóra co-supervisor

E-17	Socializing effects of school and family on pupils' lifestyle	Dr. Rétsági, Erzsébet supervisor
E-18	Appearance of health related values among primary and secondary school pupils	Dr. Rétsági, Erzsébet supervisor
E-19	Study of recreational activities among various age groups, with special interest in their physical activity	Dr. Rétsági, Erzsébet supervisor, Dr. Ács, Pongrácz co-supervisor
E-20	Epidemiological investigation of territorial health inequalities	Dr. Sándor, János supervisor
E-21	Health status monitoring by secondary database utilization	Dr. Sándor, János supervisor
E-22	Epidemiological investigation of the etiology, and the prevention's and health care services' quality for non-infectious diseases	Dr. Sándor, János supervisor
E-24	Immune system and physical and mental health – the role of recreational sports in health preservation, and the parallel change of exertion ability	Dr. Wilhelm, Márta supervisor, Dr. Katics, László co-supervisor
E-25	Determining fitness of elite sportsmen with biochemical and exertion physiological methods	Dr. Wilhelm, Márta supervisor, Dr. Katics, László co-supervisor
E-26	Elaboration and characterization of nanomedicinal systems	Dr. Kovács, L. Gábor supervisor, Dr. Fodor, Bertalan co-supervisor
E-27	Special situations in emergency care	Dr. Betlehem, József supervisor
E-28	Role of social support and activity in preserving and restore a good health condition	Dr. Betlehem, József supervisor, Dr. Gerevich, József co-supervisor
E-29	Exercise induced muscle damage and adaptation mechanisms during long-term resistance training	Dr. Wilhelm, Márta supervisor, Dr. Vácz, Márk co-supervisor
E-30	Neuromuscular adaptations to resistance training	Dr. Wilhelm, Márta supervisor, Dr. Vácz, Márk co-supervisor
E-31	The role and significance of complementary medicine in prevention and treatment of chronic degenerative diseases	Dr. Kőszegi, Tamás supervisor
E-32	The role of physical activity and sports in health improvement	Dr. Tóth, Ákos Levente supervisor
E-33	Health condition of Hungarian people with disabilities, and possible directions of development in terms of equal opportunities	Dr. Bódis, József supervisor, Dr. Chronowski, Nóra co-supervisor
E-34	Examination of Hungarian medicinal waters using randomised controlled double blind clinical studies	Dr. Varga, Csaba supervisor
E-35	Integrative Medicine as a treatment for stress release of different origins	Dr. Hegyi, Gabriella supervisor
E-36	Inhancement of fitness, reduction of stress-response, improving quality of Life by CAM therapies	Dr. Hegyi, Gabriella supervisor
E-37	Integrative Medicine: demand and acceptance of CAM, possibilities of inserting into Health Care System	Dr. Hegyi, Gabriella supervisor
E-38	Effects of natural substances on the physical performance in humans	Dr. Kőszegi, Tamás supervisor
E-39	International comparative examination of professional minimal conditions' to improve health care services	Dr. Oláh, András supervisor
E-40	Possibilities to improve nursing guidelines and protocols	Dr. Oláh, András supervisor



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E-41	Possibilities to improve nursing practice with respect to the international practice	Dr. Oláh, András supervisor
E-42	Development and implementation of electronic nursing documentation	Dr. Oláh, András supervisor
E-43	Psycho-neuro-immunology in clinical practice	Dr. Repa, Imre supervisor
E-44	Disability and quality of life	Dr. Pusztafalvi, Henriette supervisor
E-45	Examination of the nonlinear distortion of the ear	Dr. Pytel, József supervisor
E-46	Examination and treatment of motion instability in neurological diseases	Dr. Nagy, Ferenc supervisor
E-47	Complex analysis and examination of economic effects of the foreign-language medical education	Dr. Miseta, Attila supervisor
E-48	Health science aspects of free flap breast reconstruction	Dr. Konya, László supervisor
E-49	Comparison of surgical suture materials	Dr. Konya, László supervisor
E-50	Comparison of breast reconstruction surgeries	Dr. Konya, László supervisor
E-51	Role of communication in the health care system	Dr. Lampe, Kinga supervisor, Dr. Baresi, Tamás co-supervisor
E-52	Terminological communication in health sciences	Dr. Warta, Vilmos supervisor
E-53	Use of microchips in laboratory diagnostics of fertility effectiveness during in vitro fertilization	Dr. Kovács, L. Gábor supervisor, Dr. Vermes, István co-supervisor
E-54	Effect of the GP-care's quality on growth of life expectancy	Dr. Kovács, L. Gábor supervisor, Dr. Balogh, Sándor co-supervisor
E-55	Examination of ingestion-controlling neuropeptides in diabetes mellitus and in their animal models	Dr. Figler, Mária supervisor, Dr. Ábrahám, Hajnalka co-supervisor
E-56	Social aspects of medical communication	Dr. Lampe, Kinga supervisor, Dr. Máté, Orsolya co-supervisor
E-57	Salutogenesis in university education. Examination of shift of coherence among students of University of Pécs, Faculty of Health Sciences and Faculty of Sciences, depending on the study program	Dr. Jeges, Sára supervisor, Dr. Tóth, Ákos co-supervisor
E-58	The aspects of patients' right and labor law in health care	Dr. Boncz, Imre supervisor, Dr. Ágoston, István co-supervisor
E-59	The current issues of the health capacity regulation and the resource allocations	Dr. Boncz, Imre supervisor, Dr. Ágoston, István co-supervisor
E-60	The current questions and examination of the sex education in the educational institutions	Dr. Pusztafalvi, Henriette supervisor, Dr. Gyuró, Mónika co-supervisor
E-61	Historical epidemiology studies	Dr. Pusztafalvi, Henriette supervisor
<b>Programme Nr. 2 / PR-2</b>	<b>CARDIOVASCULAR HEALTH SCIENCE</b>	<b>Dr. Verzár, Zsófia programme leader</b>
K-1	Preventive methods for cardio-, and cerebrovascular diseases	Dr. Cziráki, Attila supervisor, Dr. Verzár, Zsófia co-supervisor

K-2	The role of the clinical laboratory in the primary and secondary prevention of cardiovascular diseases	Dr. Kovács, L. Gábor supervisor
K-3	Effects of meteorological factors on cardio-, and cerebrovascular diseases	Dr. Verzár, Zsófia supervisor
K-5	Endothel function and cardiovascular disease	Dr. Sulyok, Endre supervisor
K-6	The effect of stress on health conditions (with a focus on work-related stress)	Dr. Vattay, Péter supervisor
K-7	Stem cells-based therapy for cardiovascular diseases	Dr. Vermes, István supervisor
K-8	Challenge of the 21st century: the human papillomavirus	Dr. Bódis, József supervisor
K-9	Effect of climate factors on seasonal diseases	Dr. Verzár, Zsófia supervisor
K-11	Preventive methods in tumour diseases	Dr. Kásler, Miklós supervisor
K-12	Prevention methods for vascular and cardiovascular diseases	Dr. Arató, Endre supervisor
K-13	Individual and community factors of health status and health inequalities	Dr. Füzesi, Zsuzsanna supervisor
K-14	The importance of the effects of co-morbidities in acute patient care	Dr. Oláh, Tibor supervisor, Dr. Betlehem, József co-supervisor
K-15	Analysis of publicly and privately financed health care services	Dr. Sebestyén, Andor supervisor
K-16	Genetical, gene expressional background connection with lifestyle and occupational factors in cardiovascular diseases	Dr. Verzár, Zsófia supervisor
K-17	The role of arterial stiffness in cardiovascular prevention and risk evaluation	Dr. Arató, Endre supervisor
K-18	Monitoring of cardiovascular effects of legal and illegal drugs focusing on designer drugs	Dr. Verzár, Zsófia supervisor
K-19	Quality of life measurement and its implication in developing modern therapeutic strategies in non ST elevation myocardial infarction	Dr. Verzár, Zsófia supervisor
K-20	Care and primary and secondary prevention of cardio-cerebrovascular diseases	Dr. Balogh, Sándor supervisor
<b>Programme Nr. 3 / PR-3</b>	<b>TREATMENT OF LOCOMOTIVE DISORDERS</b>	<b>Prof. Dr. Kráncz, János programme leader</b>
M-1	Prevention, possibilities of care and effects on quality of life of congenital deformity of lower limbs	Dr. Kráncz, János supervisor Dr. Pusztafalvi, Henriette co-supervisor
M-2	Connection between obesity and the clinical picture of locomotive disorders, and their possible treatments	Dr. Kráncz, János supervisor
M-3	Methods in the clinical laboratories to study bone metabolism	Dr. Kovács, L. Gábor supervisor
M-4	Biomechanical, biochemical, epidemiological and pathophysiological aspects of prevention of infantile and adult spine diseases	Dr. Kráncz, János supervisor
M-5	Possible primary, secondary and tertiary prevention of osteoporosis in healthy people and in diseases of organs responsible for bone metabolism	Dr. Kráncz, János supervisor



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M-6	Examination of muscle- and trunk balance and body composition in the age group of 10-25-year-olds, and the primary prevention of osteoporosis	Dr. Kránicz, János supervisor
M-7	Analysis of the shoulder's kinesiology, biomechanics and pathology with ZEBRIS CMS-HS ultrasound-based spatial motion monitoring	Dr. Kránicz, János supervisor
M-8	Examination of factors affecting the efficiency of radiosynoviorthesis	Dr. Szentesi, Margit supervisor
M-9	Stem cells for repair of cartilage and bone injuries	Dr. Vermes, István supervisor
M-10	Connection between the biological risk, the local activity of joints, and the efficiency of radiosynoviorthesis	Dr. Szentesi, Margit supervisor, Dr. Zánbó, Katalin co-supervisor
M-11	Efficiency of radiosynoviorthesis in case of chronic synovitis of rheumatoid arthritis	Dr. Szentesi, Margit supervisor
M-12	Follow up study of gene expression in rheumatological diseases	Dr. Langmár, Zoltán supervisor
M-13	Role of the ultrasound examination in the diagnosis prior to radiosynoviorthesis and in evaluating the efficacy of treatment	Dr. Szentesi, Margit supervisor
M-14	The role of biological therapy in treatment of inflammatory rheumatologic disease	Dr. Szentesi, Margit supervisor
M-15	Biological therapy as a revolutionary new way to improve clinical symptoms and quality of life of children with JIA	Dr. Szentesi, Margit supervisor
M-16	Epidemiology of hip fractures	Dr. Sebestyén, Andor supervisor
M-17	Relationship between functional asymmetry and injuries among sportsmen	Dr. Wilhelm, Márta supervisor, Dr. Váczi, Márk co-supervisor
M-18	Aspects of thyroid disease in health sciences, with a focus on pathological mutation, prevention and treatment of organs of locomotion	Dr. Gáti, István supervisor
M-19	Aspects of prostate tumours in health sciences, with a focus on multinuscular changes, their prevention and treatment	Dr. Gáti, István supervisor
<b>Programme Nr. 4 / PR-4</b>	<b>PERINATAL HEALTH SCIENCE</b>	<b>Prof. Dr. Sulyok, Endre programme leader</b>
P-1	Hyperglycaemia in neonatal and infantile age	Dr. Ertl, Tibor supervisor
P-2	Epidemiology of congenital anomalies	Dr. Sándor, János supervisor
P-3	Low birthweight: epidemiological, sociological, pathophysiological and clinical consideration	Dr. Sulyok, Endre supervisor
P-4	The importance of low birthweight in the development of adult diseases	Dr. Sulyok, Endre supervisor
P-5	Modern aspects of infants' feeding	Dr. Sulyok, Endre supervisor
P-6	Water and electrolyte metabolism in the neonate: renal and endocrine regulation	Dr. Sulyok, Endre supervisor
P-7	Primary and secondary prevention of perinatal hypoxic brain injury (epidemiology, neurohabilitation, early developmental programs)	Dr. Sulyok, Endre supervisor
P-8	The importance of smoking in perinatal, infant and childhood morbidities	Dr. Sulyok, Endre supervisor

P-9	Clinical significance of hormones derived from adipocyte and skeletal tissues	Dr. Sulyok, Endre supervisor
P-10	The importance of novel hormones, hormone-like substances in the perinatal adaptation	Dr. Sulyok, Endre supervisor
P-11	Correlations among vitamin D supply, circulating forms of parathormone and serum protein fractions in patients with renal failure	Dr. Toldy, Erzsébet témavezető
P-12	Risk of the mechanism behind accelerated arteriosclerosis in case of patients with uremic hemodialysis	Dr. Csiky Botond témavezető
<b>Programme Nr. 5 / PR-5</b>	<b>HUMAN REPRODUCTION</b>	<b>Prof. Dr. Bódis, József programme leader</b>
R-1	The effects of maternal illnesses and pharmacological therapies on pregnancy outcome	Dr. Ács, Nándor supervisor
R-2	Suicides, and suicide attempts in Hungary	Dr. Bódis, József supervisor, Dr. Röhner, Zoltán co-supervisor
R-3	Short- and long-term consequences of obstetric and gynecological interventions on life-style, and the possibilities to influence these effects	Dr. Bódis, József supervisor, Dr. Koppán, Miklós co-supervisor
R-4	Cumulation, and familial-genetical background of gynecological-, breast-, and gastrointestinal tumors	Dr. Bódis, József supervisor
R-5	Survival and quality of life of patients with gynecological tumor after expanded and minimally invasive surgery	Dr. Bódis, József supervisor
R-6	Ovarian hyperstimulation	Dr. Bódis, József supervisor
R-7	Effects of gynecological surgery on life-style and quality of life. The effect of preoperative preparation and postoperative physiotherapy on stool- and urine continence, and on the quality of sexual life	Dr. Bódis, József supervisor
R-8	Phytoestrogens, hormon replacement, life-style and dietetic customs in peri- and postmenopause	Dr. Garai, János supervisor
R-9	Vitamin-, iron- and trace element supplementation and dietetics in prenatal care; and it's perinatal role significance	Dr. Koppán, Miklós supervisor
R-10	Intraovarian regulation - endocrine aspects of in vitro fertilization	Dr. Koppán, Miklós supervisor
R-11	Fertility studies in clinical laboratories	Dr. Kovács, L. Gábor supervisor Dr. Vermes, István co-supervisor
R-15	Crimes against medical interventions, practice of medical research and patient's self-determination from point of view of forensic science and criminal procedure law	Dr. Bódis, József supervisor, Dr. Herke, Csongor co-supervisor
R-16	The role of connective tissue system in the recognition of complementary-alternative medicine, naturopathy, and traditional chinese medicine; and in the integration of other scientific fields neighbouring health sciences	Dr. Gáti, István supervisor
R-17	The legal status of the embryo, in terms of stencell research and human rights	Dr. Bódis, József supervisor, Dr. Zeller, Judit co-supervisor
R-18	Effects of endometriosis on quality of life	Dr. Koppán, Miklós supervisor Dr. Koppán, Ágnes co-supervisor
R-19	Examination of etiological factors of fetal developmental anomalies	Dr. Ács, Nándor supervisor
R-20	Endocrine-metabolic treatment of women with polycystic ovary syndrome unrelated to infertility	Dr. Bódis, József supervisor, Dr. Bajnok, László co-supervisor



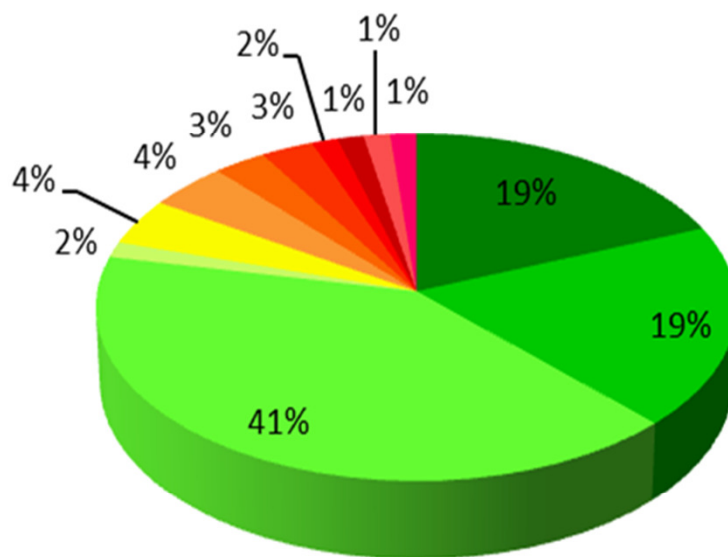
R-21	Reproductive health behaviour of the Hungarian roma minority	Dr. Horváth, Boldizsár supervisor
R-22	Complementer analysis of corps identification processes	Dr. Bódis, József supervisor, Dr. Herke, Csongor co-supervisor
R-23	Intrapartum analysis of the fetal electrocardiogram (fECG) with STAN® SR31 fetal monitor system in case of meconium tainted amniotic fluid	Dr. Bódis, József supervisor, Dr. Farkas, Bálint co-supervisor
R-24	The genetic components of the etiology of chronic diseases, congenital malformations and diseases in pregnancy	Dr. Joó József Gábor supervisor, Dr. Komya László co-supervisor
R-25	Haemodynamic examinations in healthy and pathological pregnancy	Dr. Tamás Péter supervisor
R-26	Demographic factors influence the occurrence of fetal malformations	Dr. Veszprémi Béla supervisor
<b>Programme Nr. 6 / PR-6</b>	<b>ONCOLOGY - HEALTHSCIENCES</b>	<b>Prof. Dr. Kiss, István programme leader</b>
<b>PR-6/1</b>	<b>PREVENTIVE ONCOLOGY Subprogramme</b>	<b>Prof. Dr. Kiss, István subprogramme leader</b>
O-3	Efficiency of the most modern methods in radiation therapy in the patients of University of Pécs, Medical School	Dr. Mangel, László supervisor, Dr. Boronkai, Árpád co-supervisor
O-4	Historical demography of Hungary	Dr. Kiss, István supervisor Dr. Varga, Csaba co-supervisor
O-5	Environmental carcinogenesis	Dr. Kiss, István supervisor
O-6	Nutrition and cancer	Dr. Kiss, István supervisor
O-7	Molecular epidemiology of cancer	Dr. Kiss, István supervisor, Dr. Jung, János co-supervisor
O-8	Public health problems and programs with respects to health insurance and health economy	Dr. Boncz, Imre supervisor
O-11	Primary secondary and tertiary prevention in cancer	Dr. Kiss, István supervisor
O-12	Genetical and genomics epidemiology	Dr. Kiss, István supervisor
O-14	Chemoprevention of cancer	Dr. Kiss, István supervisor
O-17	Alternative ways in cancer prevention	Dr. Kiss, István supervisor
O-20	The role of apoptosis in oncology	Dr. Veres, István supervisor
O-21	Analysis of factors improving the diagnosing, perioperative and oncologic treatment of patients with colon cancer	Dr. Oláh, Tibor supervisor, Dr. Boronkai, Árpád co-supervisor
O-22	Role of Micro RNAs in carcinogenesis and prevention	Dr. Kiss, István supervisor
O-23	Extended surgeries of head and neck cancers, and their surgical reconstructions	Dr. Kásler, Miklós supervisor
O-24	Radiochemotherapy of head and neck cancer	Dr. Kásler, Miklós supervisor

O-25	Laser surgery of head and neck cancer	Dr. Kásler, Miklós supervisor
O-26	Practice and opportunities of prevention in the General Practitioners' routine	Dr. Balogh, Sándor supervisor
O-27	Significance of public health	Dr. Molnár, Kornélia supervisor
O-28	Transformation of glioblastoma treatment: where we come from, and where are we going	Dr. Kálmán, Bernadette supervisor
O-29	The molecular genetics and public health significance of rare diseases	Dr. Kálmán, Bernadette supervisor
<b>PR-6/2</b>	<b>DIAGNOSTIC MEDICAL IMAGING Subprogramme</b>	<b>Prof. Dr. Bogner, Péter subprogramme leader</b>
O-2-1	New image processing and computing methods in diagnostic imaging	Dr. Bogner, Péter supervisor
O-2-2	Identification of molecular targets for prevention diagnostics of major non-communicable diseases	Dr. Gallyas, Ferenc jr. supervisor
O-2-3	Molecular diagnostics in the primary and secondary prevention of frequent non-communicable diseases	Dr. Kovács, L. Gábor supervisor
O-2-4	Diagnostic errors due to peculiarities of immune-analytical methods	Dr. Kovács, L. Gábor supervisor
O-2-5	Non-invasive examination of the cardiovascular system – CT, MR, angiography	Dr. Repa, Imre supervisor
O-2-6	Development of CT and MR guided diagnostic and therapeutic interventional procedures	Dr. Repa, Imre supervisor
O-2-7	Application of modern image processing techniques (-methods) in diagnostic imaging and radiotherapy	Dr. Repa, Imre supervisor, Dr. Kovács, Árpád co-supervisor
O-2-8	Application of molecular and multimodality imaging in clinical diagnosis and therapy	Dr. Zámbo, Katalin supervisor
O-2-9	Quantitative MR methods for characterizing cerebral pathologies	Dr. Bogner, Péter supervisor, Dr. Schwarcz, Attila co-supervisor
O-2-10	The integration of functional cross-sectional imaging in 3D conformal radiation therapy of brain tumors	Dr. Bogner, Péter supervisor, Dr. Kovács, Árpád co-supervisor
O-2-11	The use of diffusion, perfusion and other functional imaging information in therapy/follow-up of extracranial tumors	Dr. Kovács, Árpád supervisor, Dr. Bogner, Péter co-supervisor
O-2-12	Experimental and clinical applications of quantitative MR imaging techniques	Dr. Repa, Imre supervisor Dr. Bajzik, Gábor co-supervisor
O-2-13	Modern imaging techniques, the role of CT/MR imaging in the detection of breast cancer	Dr. Repa, Imre supervisor, Dr. Bajzik, Gábor co-supervisor
O-2-14	Mass spectrometry analysis of endocrine metabolom system	Dr. Koppán, Miklós supervisor, Dr. Márk, László co-supervisor
O-2-15	Use of imaging methods based on mass spectrometry in health sciences	Dr. Márk, László supervisor
O-2-16	Mapping and monitoring of xenobiotics induced molecular changes by imaging technics	Dr. Pirger Zsolt témavezető
<b>PR-6/3</b>	<b>GASTROENTEROLOGICAL DISEASES Subprogramme</b>	<b>Prof. Dr. Dóbró, Zoltán subprogramme leader</b>

O-3-1	Gastroenterological endoscopic diagnostic and therapeutic procedures	Dr. Döbrönte, Zoltán supervisor
O-3-2	Nutritional and clinical dietary studies of various carbohydrates in diabetic patients	Dr. Kovács, L. Gábor supervisor, Dr. Figler, Mária co-supervisor
O-3-3	The role of the clinical laboratory in the primary and secondary prevention of diabetes mellitus	Dr. Kovács, L. Gábor supervisor, Dr. Fodor, Lajos co-supervisor
O-3-4	Clinical dietetics and nutrition science. Cost analysis of eating habits and food consumption	Dr. Figler, Mária supervisor
O-3-5	Immuno-neuroendocrine adaptation in patients with critical illness	Dr. Vermes, István supervisor
O-3-6	Effect of various forms of calcium-intake in osteoporosis treatment	Dr. Figler, Mária supervisor
O-3-7	Effect of fructose consumption on certain metabolic parameters in patients with obesity and diabetes	Dr. Figler, Mária supervisor
O-3-8	Examination of analytical and dieto-therapeutic effects of oilseeds	Dr. Figler, Mária supervisor
O-3-9	Chemical and microbiological examination of food	Dr. Figler, Mária supervisor Dr. Kerényi, Mónika co-supervisor
O-3-10	Analysis and dietetic examination of biologically active components in grapes	Dr. Figler, Mária supervisor
O-3-11	Clinical application of probiotics (bacteria types, doses, domains of application)	Dr. Figler, Mária supervisor
O-3-12	Possibilities of influencing nutritional status of seriously ill patients in clinical practice	Dr. Figler, Mária supervisor
O-3-13	Significance of monitoring during endoscopy with special regard to the sedoanalgesic premedication	Dr. Döbrönte, Zoltán supervisor
O-3-14	Risk factors for endoscopic retrograde cholangiopancreatography (ERCP) related acute pancreatitis and effectiveness of the pharmacological prophylaxis	Dr. Döbrönte, Zoltán supervisor
O-3-15	Effects of various types of treatment on lipid homeostasis and fatty acid composition of plasma lipids in patients with Type-II Diabetes	Dr. Figler, Mária supervisor Dr. Deesi, Tamás co-supervisor
<b>Programme Nr. 7 / PR-7</b>	<b>SPORT and HEALTH SCIENCES</b>	<b>Dr. Rétsági, Erzsébet programme leader Dr. Ács, Pongrácz co-programme leader</b>
S-1	Possibilities of the realisation of energy balance in different sports	Dr. Figler, Mária supervisor
S-2	Habits of liquid consumption in different sports	Dr. Figler, Mária supervisor
S-3	Relations between biological status of fundamental motor skills and functional characteristics. Determination of the energy consumption rate of various training protocols using ergometers	Dr. Sárszegi, Zsolt supervisor
S-4	The preventive, therapeutic and rehabilitative role of the regular workout	Dr. Járomi, Melinda supervisor
S-5	Development of non invasive methods to measure cardiovascular function	Dr. Karsai, István supervisor
S-6	Methodology and diagnostic approaches of measuring human performance	Dr. Karsai, István supervisor

S-7	Prevention of demonstrable lifestyle disorders, the healing role of physical fitness in chronic diseases. Fitness and exercise programs for rehabilitation	Dr. Oláh, András supervisor Dr. Ács, Pongrácz co-supervisor
S-8	The Optimum Arousal Theory - to be in the ZONE - the State and the Possibility of Measuring within Elite and Recreational Sports	Dr. Balogh, László supervisor
S-9	Challenges of Public Education in Student Health Promotion - with Special Regards to Physical Activity	Dr. Rétsági, Erzsébet supervisor
S-10	Philosophical, Content and Methodological Basis of Educating to Recreation in the Physical Education Curricula	Dr. Rétsági, Erzsébet supervisor
S-11	The role and possibilities of movement games in the establishment of physically active lifestyle	Dr. Kovács, Katalin supervisor
S-12	Spatial specialities of the Hungarian health tourism	Dr. Laczkó, Tamás supervisor
S-13	Demand and supply relations of the sport tourism in Hungary	Dr. Laczkó, Tamás supervisor
S-14	Relation system of sports and quality of life	Dr. Ács, Pongrácz supervisor Dr. Betlehem, József co-supervisor
S-15	Free time physical activity, lifestyle and health	Dr. Tari Keresztes, Noémi supervisor
S-16	Free time physical activity and social attitudes	Dr. Tari Keresztes, Noémi supervisor
S-17	Micro-and macro-economic effects of physical activity	Dr. Ács, Pongrácz supervisor
S-18	The sports' economic and social relation system	Dr. Ács, Pongrácz supervisor
S-19	Sport management in the XXIth century	Dr. Elbert, Gábor supervisor
S-20	The martial arts as a complex educational systems	Dr. Kovács, Antal supervisor
S-21	Health tourism researches: the examination of the success factors of health tourism enterprises and the quality of the health tourism services, service management	Dr. Müller, Anetta supervisor
S-22	Trends of fitness-wellness, the examination of demand and supply elements on the field of free time economy at small and medium-size enterprises	Dr. Müller, Anetta supervisor
S-23	The effect of physical activity in different kind of neurodegenerative diseases: biomechanical and molecular biological studies	Dr. Atlasz, Tamás supervisor Dr. Váczi, Márk co-supervisor

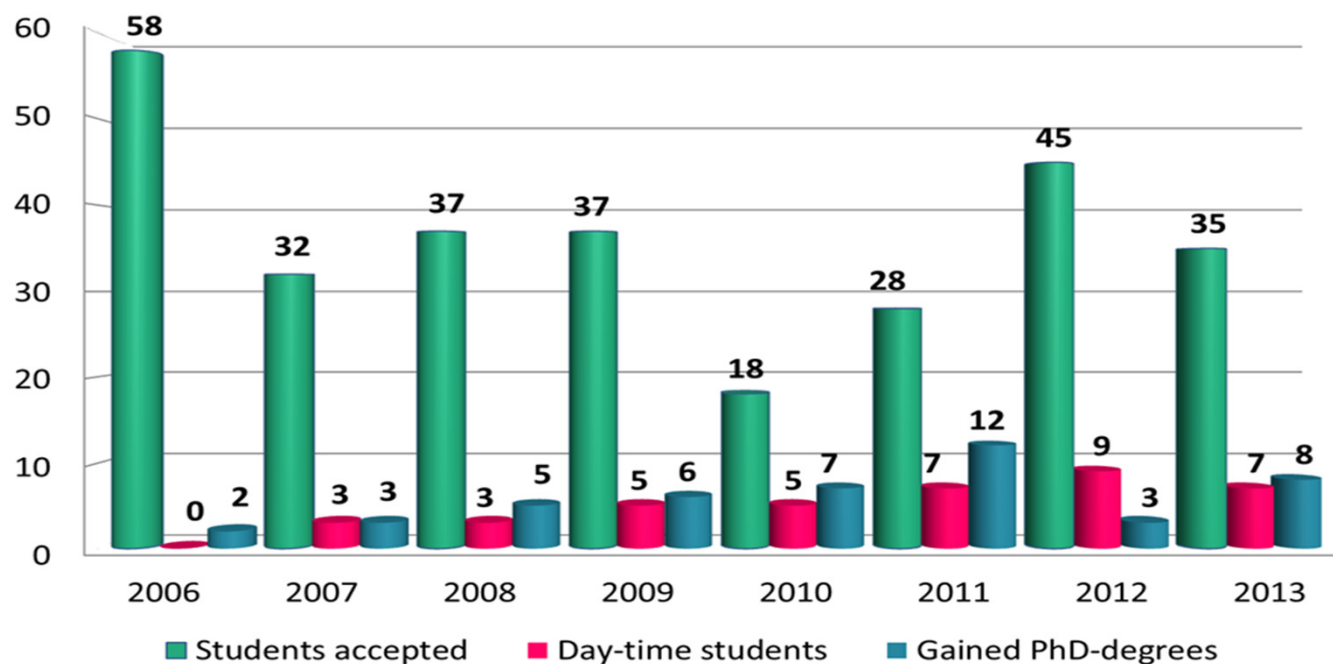
## Division of Science



- Health sciences
- Theoretical medicine
- Clinical medicine
- Sports sciences
- Biological sciences
- Legal studies
- Educational sciences
- Sociology
- Agricultural engineering
- Animal husbandry
- Economic sciences
- Linguistics

<http://doktoriiskola.etk.pte.hu/dok/doktoriiskola/PTEETKdoktoriprogram2014szeptemberENG2.pdf>

## Number of Students



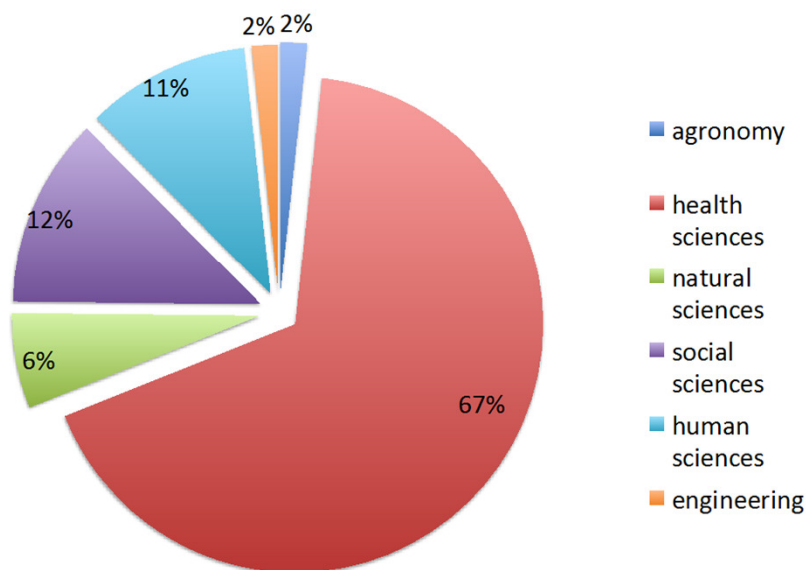
Our Doctoral School was established in 2006.

During this 8 years 57 researchers have obtained PhD-degree,  
and another 40 researchers have completed the habilitation process.

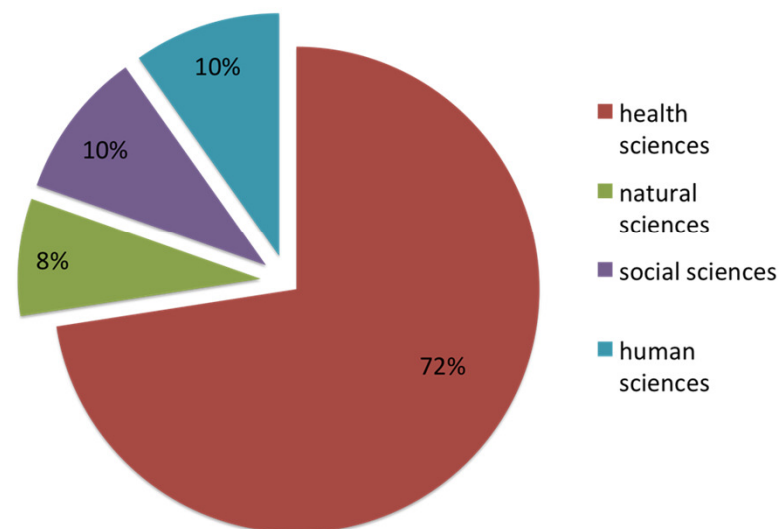


## Number of Students

**Distribution of disciplines by students accepted to the program**



**Distribution of disciplines by students who completed the program (PhD)**





# Doctoral School of Health Sciences



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Faculty of Health Sciences

<http://english.pte.hu/menu/99/26>

Doctoral School of Health Sciences

<http://doktoriiskola.etk.pte.hu/dok/doktoriiskola/PTEETKdoktoriprogram2014szeptemberENG2.pdf>

