



# ANNUAL REPORT

on the quality of creative activity of the  
Faculty of Medicine for the year 2022

March 2022

# CONTENTS

<b>Introduction.....</b>	<b>3</b>
<b>INTRODUCTION .....</b>	<b>3</b>
<b>1. RESEARCH INFRASTRUCTURE .....</b>	<b>4</b>
1.1 Scientific research capacity and its use for solving scientific projects in 2021 .	4
1.2 Qualification structure of UPJŠ creative employees and new holders of scientific-pedagogical titles, scientific ranks and VKS for the year 2022.....	5
<b>2. SCIENTIFIC RESEARCH PROJECTS .....</b>	<b>23</b>
2.1 Scientific research projects solved at UPJŠ FM.....	24

## Introduction

Scientific research activity at UPJŠ in Košice, Faculty of Medicine (hereinafter referred to as UPJŠ FM) is implemented in accordance with the Development Concept - Long-term intention. The long-term intention of the creative activities specifies the goals of UPJŠ FM for the next period in connection with the state concept of higher education, information technology, research and development and contains the main trends and measures to achieve them. The scientific research activity of UPJŠ FM employees is carried out in three overlapping areas of basic, clinical and field research prevention and treatment.

The faculty's research focus in the area of basic research is gradually shifting to cellular, subcellular and molecular level. The changed interaction of molecules is the cause of cell metabolism disorders with the subsequent manifestation of pathological manifestations at the level of the organism. Excessive divergence of faculty research is gradually reduced by integrating similar topics into several main research directions defined by the Long-Term Plan. Criteria for designation of the research direction as the main one is the scope and quality of research works together with the number of faculty workplaces that work/collaborate in the given direction. The concentration of faculty resources can be an important tool for increasing the quality of research at the faculty in a long-term perspective. The focus of the concept of scientific and research activity at UPJŠ FM is to support the development of research directions in which the faculty is, or can be, an equal partner of research workplaces at European universities.

The main research directions are: oncology research direction, research direction in the field of cardiology, respirology and metabolism, and research direction in the field of regenerative and preventive medicine. Every year, the activity of employees is evaluated and discussed in the Annual Report on the quality of creative activity at UPJŠ in Košice, Faculty of Medicine (hereinafter report), which is submitted by the dean to the scientific council of the faculty in accordance with the Rules of Procedure of the SC UPJŠ FM and which is subsequently publicly accessible on the faculty's website in the section Research, Report on scientific research activity of UPJŠ FM.

The aim of the presented report is to summarize the results achieved in the implementation of scientific research activities in the evaluated period of 2022, the analysis of the current state, current trends and an effort to reflect on the future direction of scientific research activities. Last year was marked by a whole series of specific circumstances reflected in the quality of both the education provided and the scientific research activity. It was mainly influenced by the ongoing COVID-19 pandemic, the final implementation of Act No. 269/2018 Coll. and related processes of harmonizing study programs with SAAVŠ standards and the creation of the internal quality system of UPJŠ (IQS), then the military conflict between Russia and Ukraine and, last but not least, changes in legislation, primarily the amendment of the Act on Universities (No. 131/2002 Coll.).

The structure of the annual report corresponds to the uniform required structure of the University of Pavel Jozef Šafárik in Košice (hereinafter referred to as UPJŠ) in terms of content and includes research infrastructure, achieved scientific and research results presented by publication outputs and citations, and editorial activity. The report presents essential scientific research activities of creative teaching staff, research staff and PhD students. By summarizing the results achieved in the evaluated period, it enables the scientific council of UPJŠ FM (SC UPJŠ FM) to assess not only the status and quality of these activities, but also tendencies towards maintaining and increasing the scientific potential and qualification growth of employees and PhD students.

The report presents a verbal and scientometric overview of the main scientific activities achieved as a part of the research activity for the year 2022 and points to the current state of the implemented scientific research activities and thus to the quality level of the faculty in one of

its decisive areas, i.e. in science and research.

## 1. RESEARCH INFRASTRUCTURE

A necessary condition for achieving the defined scientific and research goals is the equipment of faculty workplaces. UPJŠ FM has a modern infrastructure and the necessary human resources to realize its research goals.

Basic medical research is currently based on modern technologies of genomics, proteomics, metabolomics and tissue engineering. The methodological basis is laboratories specialized in methods of genomics (PCR, FISH, Microarray assay), proteomics (2D electrophoresis, 2D nano HPLC, mass spectrometry), or metabolomics (GC MS, fluorescence fingerprint). Laboratory investigation methods such as flow cytometry, cultivation of cell cultures in vitro, monitoring of electrophysiological, cardiovascular and respiratory parameters, clinical-biochemical analysis of selected biomarkers of body fluids are also used.

Scientific-research activity is primarily carried out by solving scientific projects of basic and applied research supported by individual ministries of the Slovak Republic (e.g. APVV, VEGA, projects from the ŠF EU) as well as international projects (e.g. Horizont). In addition, the university has established the UPJŠ Internal Scientific Grant System in Košice, and the Faculty of Medicine also has a similar support system for young scientists - Grant System for PhD students.

### 1.1 Scientific research capacity and its use for solving scientific projects in 2021

The Faculty of Medicine has qualified personnel who are able to apply for the solution of scientific research projects and then successfully implement them. The point evaluation of scientific research and teaching activities, on the basis of which personal allowances are awarded to employees, is also a motivating factor for faculty employees.

**Tab. 1 - Scientific research capacity of UPJŠ employees in 2022, average recalculated numbers**

Employees		2016	2017	2018	2019	2020	2021	2022
teachers (without lecturers)	Recalc. count	279,5	292,1	307,8	322,3	327	321,9	307,1
	VV chap. (tis. hr)	279,5	292,1	307,8	322,3	327	321,9	307,1
Research employees with uni education	Recalc. count	51,3	53,6	52,3	52,7	55	64,5	67,1
	VV chap. (tis. hr)	102,6	107,2	104,6	105,4	110	129	134,2
Together	Recalc. count	330,8	345,7	360,1	375	382	386,4	374,2
	VV chap. (tis. hr)	382,1	399,3	412,4	427	437	450,9	441,3

Recalculated number of employees according to individual categories (only assistant professors,

associate professors and professors + researchers) who are not involved in the solution of any scientific project is 38.93, of which 2,32 are professors, 2.8 associate professors, 30.82 assistant professors, 1.0 assistants and 1.99 research workers.

## 1.2 Qualification structure of UPJŠ creative employees and new holders of scientific-pedagogical titles, scientific ranks and VKS for the year 2022

**Tab. 2 - Qualification structure of UPJŠ creative employees** data in natural persons as of 31.12.2021

university teachers (UT)						research employees (RE)						together
	Prof*	Ass o. P.*	Assi. P. with Csc./Phd	Assi. P. + A without CSc./PhD	(UT) together	SR I * (DrSc .)	IR IIa (CSc./PhD)	R IIb (Csc./PhD)	RW without CSc./PhD	PTW without Csc./PhD	RE together*	UT+RE
<b>2016</b>	42 (6)	62	159	92	<b>335 (6)</b>	47 (2)	21	24	11		<b>103 (2)</b>	<b>458 (8)</b>
<b>2017</b>	50 (5)	38	192	21+86	<b>387 (5)</b>	1 (1)	22	26 (1)	15		<b>64 (2)</b>	<b>453 (7)</b>
<b>2018</b>	50 (4)	43	201	124	<b>413 (4)</b>	1 (1)	19	27	11	1	<b>59 (1)</b>	<b>472 (5)</b>
<b>2019</b>	48 (4)	44	225	124	<b>443 (4)</b>	1 (1)	24	23	12	1	<b>61</b>	<b>504 (5)</b>
<b>2020</b>	48 (4)	48	224	117	<b>437 (4)</b>		25	27	13	3	<b>68</b>	<b>505 (4)</b>
<b>2021</b>	44 (4)	55	226	67	<b>392 (4)</b>		30	31	20		<b>81</b>	<b>473 (4)</b>
<b>2022</b>	42 (4)	58	241	33	<b>374 (4)</b>		26	30	22	2	<b>80</b>	<b>454 (4)</b>

\* the number with the scientific rank of DrSc is given in brackets.

Prof - professor in the position of professor

Asso.P. - associate professor – associate professor in the position of associate professor

Assi. P. – Assistant professor

A – Assistant

SR I – senior research worker

IR IIa – independent research worker

R IIb – researcher

RW – research worker

PTW – professional technical worker

At UPJŠ MF in Košice, Dr. Agis Tsouros MD, PhD, FFPH worked as a visiting professor., in the period of 01.03.2022-31.08.2022 at SC UPJŠ FM in Košice. The place of visiting professor was approved at the meeting of the SC UPJŠ FM in Košice on March 11, 2022.

Tab. 3 Qualification structure of creative employees of UPJŠ FM by titles, data in physical persons as of 31.12.

year	university teachers (UT)				Together
	professor	Associate professor	Assistant professor CSc./PhD	assistant professor + assistant without CSc./PhD	
2019	46	73	198	124	441
2020	47	73	200	117	437
2021	44 (4)	55	226	67	392
2022	46	74	221	33	374

In 2022, the following employees of the institutes and departments of our faculty received scientific-pedagogical degrees, academic degrees, respectively, scientific ranks and scientific qualification level (SQL) at UPJŠ FM, respectively. employees of other institutions:

#### a) professor (at UPJŠ FM): 2

##### prof. MUDr. Peter Urdzík, PhD., MPH.

employee of the Department of Gynecology and Obstetrics UPJŠ FM and UN LP in Košice

Department of Habilitation Proceedings and Inauguration Proceedings *Gynecology and Obstetrics*

Inaugural lecture: A current view of the operative solution to the descent of the pelvic organs

Inaugural proceedings before SC UPJŠ FM: 16.03.2021

SC UPJŠ in Košice: 14. 05. 2021

Title: 18.,2. 2022 (appointed in Bratislava by the President of the Slovak Republic)

##### prof. MUDr. Alexandra Bražinová, PhD., MPH

employee of the Institute of Epidemiology of the Faculty of Medicine of the University of Bratislava in Bratislava

Department of Habilitation Proceedings and Inauguration Proceedings *Epidemiology*

Inaugural lecture: Epidemiology as a source of evidence for health decision-making population

Inaugural proceedings SC UPJŠ FM: 16.03.2021

SC UPJŠ in Košice: 14.05.2021

Title: 18.01.2022 (appointed in Bratislava by the President of the Slovak Republic)

#### Awaiting appointment by the president: 5

##### doc. MUDr. Kvetoslava Rimárová, CSc., mim. Prof

employee of the Institute of Public Health and Hygiene UPJŠ FM in Košice

Department of Habilitation Proceedings and Inauguration Proceedings: *Public Health*

Inaugural lecture: Influence of social, ethnic and environmental factors on health mothers and children

Inaugural proceedings before SC UPJŠ FM: 15.03.2022

SC UPJŠ in Košice:

16.06. 2022

**doc. MUDr. Mária Szilasiová, PhD**

*employee of the Department of Neurology of UPJŠ FM and UN LP in Košice*

Department of Habilitation Proceedings and Inauguration Proceedings: *neurology*

Inaugural lecture: Multiple sclerosis - predictive factors and biomarkers of activity Diseases

Inaugural proceedings before SC UPJŠ FM: 22.03.2022

SC UPJŠ in Košice: 30.05.2022

**doc. MUDr. Mária Pallayová, PhD., mim. prof.**

*employee of the Institute of Medical Physiology UPJŠ FM in Košice*

Department of Habilitation Proceedings and Inauguration Proceedings: *normal and pathological physiology*

Inaugural lecture: A current perspective on the relationship between obstructive sleep apnea and diabetes mellitus

Inaugural proceedings before SC UPJŠ FM: 22.03.2022

SC UPJŠ in Košice: 30.05.2022

**doc. MUDr. Ingrid Hodorová, PhD.**

*employee of the Institute of Anatomy UPJŠ FM in Košice*

Department of Habilitation Proceedings and Inauguration Proceedings: *anatomy, histology and embryology*

Inaugural lecture: The importance of immunohistochemical detection of possible prognostic factors and predictive markers in selected human tumors

Inaugural proceedings before SC UPJŠ FM: 24.05.2022

SC UPJŠ in Košice: 25.11.2022

**doc. MUDr. Marek Lacko, PhD.**

*employee of the Department of Orthopedics and Traumatology of the Locomotor System UPJŠ FM and UN LP in Kosice*

Department of Habilitation Proceedings and Inauguration Proceedings: *surgery*

Inaugural lecture: Current status and perspectives in the diagnostic and treatment process of Osteoarthritis

Inaugural proceedings before SC UPJŠ FM: 24.05.2022

SC UPJŠ in Košice: 25.11.2022

**Awaiting for SC UPJŠ: 3**

**doc. MUDr. Branislav Stančák, CSc.**

*employee of the I. cardiology department UPJŠ FM and VÚSCH, a. s. in Kosice*

Department of Habilitation Proceedings and Inauguration Proceedings: *internal diseases*

Inaugural lecture: The role of interventional arrhythmology in the treatment of dysrhythmias, cardiac failure and sudden cardiac death

Inaugural proceedings before SC UPJŠ FM: 27.09.2022

**doc. MUDr. Ján Fedačko, PhD.**

*employee of the Department of Gerontology and Geriatrics UPJŠ FM and Hospital of St. Michael, a. s. in Kosice*

Department of Habilitation Proceedings and Inauguration Proceedings: *internal diseases*

Inaugural lecture: The end of statins, or the beginning of their end? Innovations in treatment of dyslipidemias

Inaugural proceedings before SC UPJŠ FM: 27.09.2022

**doc. MUDr. Pavol Kristian, PhD.**

*employee of the Department of Infectology and Travel Medicine UPJŠ FM and UNLP in Košice*

Department of Habilitation Proceedings and Inauguration Proceedings: *internal diseases*

Inaugural lecture: Current view on epidemiology, diagnosis and treatment of viral hepatitis B

Inaugural proceedings before SC UPJŠ FM: 27.09.2022

**b) associate professors: 3**

**doc. MUDr. Zora Haviarová, PhD.**

*employee of the Anatomical Institute of the Faculty of Medicine of the University of Bratislava in Bratislava*

Habilitation thesis topic: Variability in the peripheral nervous system

Habilitation lecture: The importance of research on the variability of the peripheral nervous system in 21st century medicine

Department of Habilitation Proceedings and Inauguration Proceedings, *anatomy, histology and embryology*

date and place of defense: 24.05.2022, UPJŠ FM, Košice

date of award: 22.08.2022

institution that awarded the scientific-pedagogical degree: UPJŠ in Košice

**doc. MUDr. Ingrid Urbančíková, PhD., MPH**

*employee of the Institute of Epidemiology UPJŠ FM in Košice*

Habilitation thesis topic: Epidemiological and clinical aspects of selected infectious diseases and possibilities of their prevention

Habilitation lecture: Vaccination in the context of health protection over the centuries

Department of Habilitation Proceedings and Inauguration Proceedings, *epidemiology*

date and place of defense: 25.10.2022, UPJŠ FM, Košice

date of award: 19.12.2022

institution that awarded the scientific-pedagogical degree: UPJŠ in Košice

**doc. MUDr. Štefan Tóth, PhD.**

*employee of the Department of Gerontology and Geriatrics UPJŠ FM and Hospital of St. Michala, a. s. in Kosice*

Habilitation thesis topic: Peculiarities of diagnosis and management of dyslipidemias and its atherosclerotic complications

Habilitation lecture: Are we reaching the maximum in the treatment of dyslipidemia in atherosclerosis?

Department of Habilitation Proceedings and Inauguration Proceedings, *internal diseases*

date and place of defense: 25.10.2022, UPJŠ FM, Košice

date of award: 19.12.2022



institution that awarded the scientific-pedagogical degree: UPJŠ in Košice

### **Awaiting the award of a scientific-pedagogical title associate professor: 2**

#### **MUDr. Marianna Vitková, PhD.**

*employee of the Department of Neurology of UPJŠ FM and UN LP in Košice*

Habilitation thesis topic: Multiple sclerosis - Severity and functional disability

Habilitation lecture: Changing the multiple sclerosis treatment paradigm in the light of new pathogenetic knowledge

Department of Habilitation Proceedings and Inauguration Proceedings, *neurology*

date and place of defense: 29.11.2022, UPJŠ FM: Košice

proposal approved by SC UPJŠ FM: 29.11.2022

#### **MUDr. Rastislav Burda, PhD.**

*employee of the Department of Traumatology of UPJŠ FM and UN LP in Košice*

Habilitation thesis topic: protection of ischemia-damaged tissue with products of post-conditioning in surgical fields

Habilitation lecture: Limb compartment syndrome

Department of Habilitation Proceedings and Inauguration Proceedings: *surgery*

date and place of defense: 29.11.2022, UPJŠ FM, Košice

proposal approved by SC UPJŠ FM: 29.11.2022

### **Outside the UPJŠ LF, the following faculty members received the scientific-pedagogical title of associate professor: 1**

#### **doc. MUDr. Silvia Timková, PhD.**

*employee of the 1st dental clinic UPJŠ FM and UN LP in Košice*

Habilitation thesis topic: Local changes and diseases of the tongue surface

Habilitation lecture: Local diseases of the surface of the tongue and their relationship to general diseases

Department of Habilitation Proceedings and Inauguration Proceedings: *dental medicine*

date and place of defense: 16.12.2021, FM UK Bratislava

date of award: 01.02.2022

institution that awarded the scientific-pedagogical degree: Comenius University in Bratislava

### **c) DrSc.: the title was not awarded in 2021**

Outside UPJŠ FM, they obtained the scientific title of DrSc. employees:

#### **RNDr. Peter Gál, DrSc., MBA**

*employee of the Institute of Pharmacology UPJŠ FM in Košice*

Title of Doctoral Dissertation: Innovative Approaches to Wound Healing: Differences in experimental (pharmaco)therapy of skin excisions and incisions

date and place of defense: May 16, 2022, Institute of Virology of the Biomedical Center SAV, v.v.i.

date of award of scientific title: 14.09.2022

scientific field: *Pharmacology*

institution that awarded the scientific rank: VR SAV, Bratislava

#### **d) PhD.: 37**

PhD study represents the third, highest level of higher education, which goal is to prepare graduates for independent, creative scientific work. Long-term - 75-year-old tradition of UPJŠ FM corresponds to the high level of education and scientific research and law of the PhD study combines both mentioned aspects – education and research. PhD students represent a new energy in the life of institutes and departments. With its active participation in acquiring new knowledge and with its comprehensive involvement in all aspects of the academic life (e.g. teaching, grant projects, publishing activity, mobility, international cooperation, popularization of science) are a guarantee of the continuity of both scientific and pedagogical work of the institutes and departments.

#### **Academic title PhD. awarded by UPJŠ FM to faculty employees: 14**

##### **MDDr. Jana Kluknavská, PhD.**

Field of study: General Medicine

Study programme: *clinical biochemistry*

Dissertation topic: Association of oxidative stress markers with progression periodontitis

Dissertation defense, place: 28.01.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 28.02.2022, UPJŠ in Košice

##### **MUDr. Milan Maretta, PhD.**

Field of study: General Medicine

Study programme: *neurology*

Dissertation topic: Cryptogenic stroke and atrial fibrillation

Dissertation defense, place: 25.05.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 25.05.2022, UPJŠ in Košice

##### **MUDr. Miriama Skirková, PhD**

Field of study: General Medicine

Study programme: *neurology*

Dissertation topic: Optical coherence tomography as a biomarker of scattered multiple sclerosis: relation to disability and brain volume

Dissertation defense, place: 25.05.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 25.05.2022, UPJŠ in Košice

##### **Mgr. Nataša Martinásková, PhD.**

Field of study: Public Health

Study programme: *Public Health*

Dissertation topic: Effect of dynamic neuromuscular stabilization in patients after shoulder joint arthroscopy within the protection dimension

Dissertation defense, place: 30.06.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 30.06.2022, UPJŠ in Košice

##### **PhDr. Marianna Mihal'ová, PhD.**

Field of study: Public Health

Study programme: *Public Health*

Dissertation topic: Relationship between physical activity, balance disorders and dysfunction of lower urinary tract in senior women  
Dissertation defense, place: 30.06.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 30.06.2022, UPJŠ in Košice

**MDDr. Zuzana Drotárová, PhD.**

Field of study: dental medicine  
Study programme: *dental medicine*  
Dissertation topic: Hereditary pathological processes in the oral cavity  
Dissertation defense, place: 07.07.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 07.07.2022, UPJŠ in Košice

**MUDr. Jozef Brezina PhD.**

Field of study: General Medicine  
Study programme: *surgery*  
Dissertation topic: Surgical procedures in the treatment of DM in an experiment  
Dissertation defense, place: 15.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 15.08.2022, UPJŠ in Košice

**MUDr. JUDr. Peter Firment, PhD.**

Field of study: General Medicine  
Study programme: *surgery*  
Dissertation topic: Residual curarization, its risks and possible solutions  
Dissertation defense, place: 15.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 15.08.2022, UPJŠ in Košice

**MUDr. Mariana Dvorožňáková, PhD.**

Field of study: General Medicine  
Study programme: *internal diseases*  
Dissertation topic: Ventriculo-ventricular interaction  
Dissertation defense, place: 24.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 24.08.2022, UPJŠ in Košice

**MUDr. Natália Vaňová PhD., EMBA**

Field of study: General Medicine  
Study programme: *internal diseases*  
Dissertation topic: Occurrence of cardiac arrhythmias in athletes  
Dissertation defense, place: 24.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 24.08.2022, UPJŠ in Košice

**Andriana Pavliuk-Karachevtseva PhD.**

Field of study: General Medicine  
Study programme: *anatomy, histology and embryology*  
Dissertation topic: Immunohistochemical detection of the chosen glutathione 11 peroxidases in human colorectal carcinoma  
Dissertation defense, place: 25.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 25.08.2022, UPJŠ in Košice

**MDDr. Branislav Borza, PhD.**

Field of study: General Medicine  
Study programme: *anatomy, histology and embryology*

Dissertation topic: Morphological changes as a cause of pain in the orofacial region  
Dissertation defense, place: 25.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 25.08.2022, UPJŠ in Košice

**MUDr. Róbert Biel, PhD.**

Field of study: General Medicine  
Study programme: *anatomy, histology and embryology*  
Dissertation topic: Localization of the primary tumor as a prognostic factor and a predictive biomarker in the treatment of mCRC  
Dissertation defense, place: 30.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 30.08.2022, UPJŠ in Košice

**MDDr. Zuzana Schwartzová PhD., MPH**

Field of study: General Medicine  
Study programme: *epidemiology*  
Dissertation topic: Epidemiological study of microbial swabs from teeth pads in athletes  
Dissertation defense, place: 31.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 31.08.2022, UPJŠ in Košice

**Outside of UPJŠ FM, academic degree of PhD was obtained. Faculty employees: 1**

**Mgr. Marta Nemčíková, PhD.**

Field of study: social work  
Study programme: *social work*  
Dissertation topic: The use of validation in the care of informal caregivers to people with dementia  
Dissertation defense, place: 17.08.2022, Faculty of Health and Social Work, Trnava University in Trnava  
Award of an academic degree: 25.05.2022, Faculty of Health and Social Work, TU in Trnava

**PhD academic title awarded at UPJŠ FM to PhD students in the full-time form of study and employees of other institutions: 22**

**MVDr. Andrea Kreheľová, PhD**

Field of study: General Medicine  
Study programme: *anatomy, histology and embryology*  
Dissertation topic: Occurrence of selected glutathione peroxidases in sexual organs and preimplantation embryos of female rats  
Dissertation defense, place: 31.01.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 31.01.2022, UPJŠ in Košice

**MUDr. Vladimíra Sobolová, PhD.**

Field of study: General Medicine  
Study programme: *surgery*  
Dissertation topic: New approaches to the study of bladder cancer using

molecular and fluorescence analysis methods

Dissertation defense, place: 07.02.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 07.02.2022, UPJŠ in Košice

**PhDr. Ivana Skoumalová, PhD.**

Field of study: Public Health

Study programme: *Public health*

Dissertation topic: Health literacy and health-related outcomes in dialysed patients. Cues to enhance health equity in patients with chronic health conditions

Dissertation defense, place: 16.02.2022, Academy building Rijksuniversiteit Groningen

Award of an academic degree: 16.02.2022, UPJŠ in Košice (double degree)

**Mgr. Jaroslava Macková, PhD.**

Field of study: Public health

Study programme: *public health*

Dissertation topic: Families at risk and the role of the care system

Dissertation defense, place: 16.02.2022, Rijksuniversiteit Groningen in Groningen

Award of an academic degree: 16.02.2022, UPJŠ in Košice

**MUDr. Alexandra Lacková, PhD.**

Field of study: General Medicine

Study programme: *neurology*

Dissertation topic: Using genetics to understand Parkinson's disease

Dissertation defense, place: 25.05.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 25.05.2022, UPJŠ in Košice

**MUDr. Kristína Kulcsárová, PhD.**

Field of study: General Medicine

Study programme: *neurology*

Dissertation topic: Identification of new prodromal biomarkers of Parkinson's disease

Dissertation defense, place: 25.05.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 25.05.2022, UPJŠ in Košice

**MUDr. Marek Vargovčák, PhD., MPH**

Field of study: Public health

Study programme: *public health*

Dissertation topic: Management of prostate tumors from a public health perspective

Dissertation defense, place: 30.06.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 30.06.2022, UPJŠ in Košice

**MUDr. Michal Virág, PhD**

Field of study: General Medicine

Study programme: *surgery*

Dissertation topic: Study of changes in gene expression of brain biomarkers ischemia during carotid endarterectomy

Dissertation defense, place: 15.08.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 15.08.2022, UPJŠ in Košice

**PharmDr. Nikola Melegová, PhD.**

Field of study: pharmacology  
Study programme: *medical pharmacology*  
Dissertation topic: Fibroblasts as an active part of the tumor/wound microenvironment and their pharmacological influence  
Dissertation defense, place: 19.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 19.08.2022, UPJŠ in Košice

**PharmDr. Radka Michalková, PhD.**

Field of study: pharmacology  
Study programme: *medical pharmacology*  
Dissertation topic: Chalcones and mammary tumors: a mechanistic study antiproliferative effect in in vitro conditions  
Dissertation defense, place: 19.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 19.08.2022, UPJŠ in Košice

**MUDr. Daniela Ogurčáková, PhD.**

Field of study: General Medicine  
Study programme: *clinical biochemistry*  
Dissertation topic: The effect of long-term treatment with opiates on the redox status of patients  
Dissertation defense, place: 22.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 22.08.2022, UPJŠ in Košice

**MUDr. Alexandra Lisovszki, PhD.**

Field of study: General Medicine  
Study programme: *internal diseases*  
Dissertation topic: Predictors of progression of subclinical atherosclerosis  
Dissertation defense, place: 24.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 24.08.2022, UPJŠ in Košice

**MUDr. Jakub Gazda, PhD.**

Field of study: General Medicine  
Study programme: *internal medicine*  
Dissertation topic: Primary biliary cholangitis: From epidemiology to treatment  
Dissertation defense, place: 24.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 24.08.2022, UPJŠ in Košice

**MVDr. Barbora Dzugasová PhD.**

Field of study: General Medicine  
Study programme: *epidemiology*  
Dissertation topic: Evaluation of resistance mechanisms of selected gram negative bacteria  
Dissertation defense, place: 25.08.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 25.08.2022, UPJŠ in Košice

**Mgr. Erik Drabiščák, PhD.**

Field of study: Public health  
Study programme: *public health*  
Dissertation topic: Risk factors for nephrolithiasis/urolithiasis with emphasis on disease prevention  
Dissertation defense, place: 30.08.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 30.08.2022, UPJŠ in Košice

**Mgr. Nika Konrádyová, PhD.**

Field of study: Public health

Study programme: *public health*

Dissertation topic: A study of selected socio-psychological factors with potential influence on premature birth and low birth weight

Dissertation defense, place: 30.08.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 30.08.2022, UPJŠ in Košice

**RNDr. Mariia Logoida, PhD.**

Field of study: General Medicine

Study programme: *epidemiology*

Dissertation topic: Use of molecular methods in mapping of epidemiological situations of selected infectious diseases

Dissertation defense, place: 31.08.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 31.08.2022, UPJŠ in Košice

**MUDr. Karin Kaliariková, PhD.**

Field of study: General Medicine

Study programme: *epidemiology*

Dissertation topic: Epidemiology of hepatitis E: a cross-sectional serological study in the population in Slovakia

Dissertation defense, place: 31.08.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 31.08.2022, UPJŠ in Košice

**Mgr. Katarína Petříková, PhD.**

Field of study: General Medicine

Study programme: *epidemiology*

Dissertation topic: Epidemiological aspects of bartonellosis and rate determination risk of occurrence in humans

Dissertation defense, place: 31.08.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 31.08.2022, UPJŠ in Košice

**Roksolana Nykolaichuk, PhD.**

Field of study: General Medicine

Study programme: *gynecology and obstetrics*

Dissertation topic: Impact of environmental factors on parameters of spermogram of Ukrainian population

Dissertation defense, place: 24.11.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 24.11.2022, UPJŠ in Košice

**MDDr. Svetlana Šelíanová, PhD.**

Field of study: Dental Medicine

Study programme: *dental medicine*

Dissertation topic: General and local causes conditioning pathological eruptions of permanent teeth in the jaw

Dissertation defense, place: 16.12.2022, UPJŠ in Košice, Faculty of Medicine

Award of an academic degree: 16.12.2022, UPJŠ in Košice

**MUDr. Tomáš Kampe, PhD., MPH**

Field of study: Public health

Study programme: *public health*  
Dissertation topic: Psoriasis and cardiovascular risk – patient management and impact on public health  
Dissertation defense, place: 20.12.2022, UPJŠ in Košice, Faculty of Medicine  
Award of an academic degree: 20.12.2022, UPJŠ in Košice

**e) scientific qualification level IIa. in 2022: not awarded**

**f) Employees without a PhD. (126) involved in doctoral studies: 47**

Relatively high proportion of UPJŠ FM employees (professor assistants and assistants) do not have a completed third level of higher education. This fact is common to medical faculties and is related to the fact that many doctors who provide health care complete their PhD studies at a later age, externally. The list of UPJŠ FM employees involved in PhD studies is summarized in Table 4.



**Table 4 List of employees without PhD. involved in PhD studies**

No.	student	Workplace of a PhD student	Trainer	Training center
1	Ballová Zuzana MUDr.	Department of Gynecology and obstetrics UPJŠ FM and AGEL Hospital Košice-Šaca, a. s.	doc. MUDr. Erik Dosedla, PhD., MBA	Department of Gynecology and obstetrics UPJŠ FM and AGEL Hospital Košice-Šaca, a. s.
2	Gašparová Petra MUDr.	Department of Gynecology and obstetrics UPJŠ FM and AGEL Hospital Košice-Šaca, a. s.	doc. MUDr. Erik Dosedla, PhD., MBA	Department of Gynecology and obstetrics UPJŠ FM and AGEL Hospital Košice-Šaca, a. s.
3	Sitáš Martina MUDr.	Department of Gynecology and obstetrics UPJŠ FM and AGEL Hospital Košice-Šaca, a. s.	doc. MUDr. Erik Dosedla, PhD., MBA	Department of Gynecology and obstetrics UPJŠ FM and AGEL Hospital Košice-Šaca, a. s.
4	Baranovičová Barbora MUDr.	Department of Gynecology and obstetrics UPJŠ FM and UNLP	prof. MUDr. Peter Urdzík, PhD., MPH	Department of Gynecology and obstetrics UPJŠ FM and UNLP
5	Lipčei Gabriel MUDr.	Department of Gynecology and obstetrics UPJŠ FM and UNLP	prof. MUDr. Peter Urdzík, PhD., MPH	Department of Gynecology and obstetrics UPJŠ FM and UNLP
6	Nagyová Alena MUDr.	Department of Gynecology and obstetrics UPJŠ FM and UNLP	prof. MUDr. Peter Urdzík, PhD., MPH	Department of Gynecology and obstetrics UPJŠ FM and UNLP
7	Tomiq Lule MUDr.	Department of Gynecology and obstetrics UPJŠ FM and UNLP	prof. MUDr. Peter Urdzík, PhD., MPH	Department of Gynecology and obstetrics UPJŠ FM and UNLP
8	Tóth Dávid MUDr.	Department of Gynecology and obstetrics UPJŠ FM and UNLP	prof. MUDr. Peter Urdzík, PhD., MPH	Department of Gynecology and obstetrics UPJŠ FM and UNLP
9	Horváth Peter MUDr.	I. department of internal medicine UPJŠ FM and UNLP	prof. MUDr. Daniel Pella, PhD.	II. department of internal medicine UPJŠ FM and UNLP and VÚSCH, a.s.
10	Ihnatko Martin MUDr.	I. department of internal medicine UPJŠ FM and UNLP	prof. MUDr. Ivica Lazúrová, DrSc.	I. department of internal medicine UPJŠ FM and UNLP
11	Majerčák Ivan MUDr. MPH	I. department of internal medicine UPJŠ FM and UNLP	doc. MUDr. Ingrid Dravecká, PhD.	I. department of internal medicine UPJŠ FM and UNLP
12	Fabian Adam MUDr.	I. department of anesthesiology and intensive medicine UPJŠ FM and UNLP	doc. MUDr. Martin Janičko, PhD.	II. department of internal medicine UPJŠ FM and UNLP
13	Kysel Roman MUDr.	I. department of anesthesiology and intensive medicine UPJŠ FM and UNLP	doc. MUDr. Jozef Firment, PhD.	I. department of anesthesiology and intensive medicine UPJŠ FM and UNLP

14	Čarnakovič Simona MUDr.	I. psychiatrická klinika UPJŠ LF a UNLP	doc. MUDr. Eva Feketeová, PhD.	Department of Neurology UNLP
15	Badanič Peter MUDr.	I. department of stomatology UPJŠ FM and UNLP	doc. MUDr. Silvia Timková, PhD.	I. department of stomatology and UNLP
16	Đurica Jaroslav MDDr.	I. department of stomatology UPJŠ FM and UNLP	doc. MUDr. Silvia Timková, PhD.	I. department of stomatology and UNLP
17	Harich Peter MDDr.	I. department of stomatology UPJŠ FM and UNLP	prof. MUDr. Eva Mechírová, CSc.	Institute of Histology UPJŠ FM
18	Verbová Gabriela MDDr.	I. department of stomatology UPJŠ FM and UNLP	doc. MUDr. Květuše Lovásová, PhD.	Institute of Anatomy
19	Kučera Martin MUDr.	II. department of internal medicine UPJŠ FM and UNLP	doc. MUDr. Martin Janičko, PhD.	II. department of internal medicine UPJŠ FM and UNLP
20	Filipová Lenka MUDr.	Department of internal medicine UPJŠ FM and AGEL Hospital Košice- Šaca, a. s.	prof. MUDr. Ivica Lazúrová, DrSc.	I. department of internal medicine UPJŠ FM and UNLP
21	Depta Filip MUDr.	Department of anesthesiology and intensive medicine UPJŠ FM and VÚSCH, a.s.	doc. MUDr. Pavol Török, CSc.	department of anesthesiology and intensive medicine VÚSCH, a.s.
22	Vaško Lukáš MUDr.	Department of heart and vascular surgery UPJŠ FM and KCE	prof. MUDr. František Sabol, PhD., MPH, MBA	Department of heart and vascular surgery UPJŠ FM and KCE
23	Drobňaková Simona MUDr.	Department for Children and Adolescents UPJŠ LF and DFN	doc. MUDr. Milan Kuchta, CSc.	Department for Children and Adolescents UPJŠ LF and DFN
24	Fedor Pavol MUDr.	Department of Pediatric Anesthesiology and Intensive Medicine UPJŠ FM and DFN	prof. MUDr. Monika Halánová, PhD.	Institute of Epidemiology
25	Glinška Karolína Kamila MDDr.	Department of dentistry and maxillofacial surgery UPJŠ FM and UNLP	Mgr. Jaroslava Kopčáková, PhD.	Institute of Dentistry and Research UPJŠ FM

26	Jendruch Jozef MDDr.	Department of dentistry and maxillofacial surgery UPJŠ FM and UNLP	Dr.h.c. prof. MUDr. Andrej Jenča, CSc., MPH	Department of dentistry and maxillofacial surgery UPJŠ FM and UNLP Academy Košice, n.o.
27	Krchová Nagyová Zuzana MDDr.	Department of dentistry and maxillofacial surgery UPJŠ FM and Academy Košice, n.o.	Dr.h.c. prof. MUDr. Andrej Jenča, CSc., MPH	Department of dentistry and maxillofacial surgery UPJŠ FM and Academy Košice, n.o.
28	Šmocer Peter MDDr.	Department of dentistry and maxillofacial surgery UPJŠ FM and Academy Košice, n.o.	Dr.h.c. prof. MUDr. Andrej Jenča, CSc., MPH	Department of dentistry and maxillofacial surgery UPJŠ FM and Academy Košice, n.o.
29	Futejová Mária MDDr.	Department of dentistry and maxillofacial surgery UPJŠ FM and Academy Košice, n.o.	Dr.h.c. prof. MUDr. Andrej Jenča, CSc., MPH	Department of dentistry and maxillofacial surgery UPJŠ FM and Academy Košice, n.o.
30	Homzová Naďa MDDr.	Department of dentistry and maxillofacial surgery UPJŠ FM and Academy Košice, n.o.	Dr.h.c. prof. MUDr. Andrej Jenča, CSc., MPH	Department of dentistry and maxillofacial surgery UPJŠ FM and Academy Košice, n.o.

31	Sokolová Natália MDDr.	Department of dentistry and maxillofacial surgery UPJŠ FM and Academy Košice, n.o.	Dr.h.c. prof. MUDr. Andrej Jenča, CSc., MPH	Department of dentistry and maxillofacial surgery UPJŠ FM and Academy Košice, n.o.
32	Ivanecký Štefan MUDr.	Department of Traumatology UPJŠ FM and UNLP	prof. MUDr. Miroslav Kitka, PhD.	Department of Traumatology UPJŠ FM and UNLP
33	Sedlák Marián MUDr.	Department of Traumatology UPJŠ FM and UNLP	doc. MUDr. Radoslav Morochovič, PhD.	Department of Traumatology UPJŠ FM and UNLP
34	Oravcová Katarína Mgr.	Department of physiatry, balneology and medical rehabilitation UPJŠ FM and UNLP	doc. PhDr. Magdaléna Hagovská, PhD., MPH	Department of physiatry, balneology and medical rehabilitation UPJŠ FM and UNLP
35	Matejíčková Petra Mgr.	Department of occupational medicine and of clinical toxicology UPJŠ FM and UNLP	prof. MUDr. Ľubomír Legáth, PhD.	Department of occupational medicine and of clinical toxicology UPJŠ FM and UNLP
36	Pedowski Piotr MUDr.	Department of radiodiagnostics and imaging methods UPJŠ LF and UNLP	prof. MUDr. Zuzana Gdovinová, CSc., FESO, FEAN	Department of Radiology UPJŠ LF and UNLP
37	Magočová Veronika MUDr.	Department of Neurosurgery UPJŠ FM and UNLP	doc. MUDr. Miroslav Gajdoš, CSc., univer. prof.	Department of Neurosurgery UPJŠ FM and UNLP
38	Horňák Marek MUDr. MPH	Eye clinic UPJŠ FM and UNLP	doc. MUDr. Matej Škorvánek, PhD.	Department of Ophthalmology UPJŠ FM and UNLP
39	Jánošík Jakub MDDr.	Institute of Medical Informatics and Simulator Medicine UPJŠ FM	prof. MUDr. Monika Halánová, PhD.	Institute of Epidemiology and Public Health UPJŠ FM
40	Pencáková Viera MUDr.	Institute of Medical Informatics and Simulator Medicine UPJŠ FM	prof. MUDr. Monika Halánová, PhD.	Institute of Epidemiology and Public Health UPJŠ FM
41	Vrzgula Marko MUDr.	Institute of Anatomy UPJŠ FM	doc. MUDr. Ingrid Hodorová, PhD.	Institute of Anatomy UPJŠ FM
42	Kunová Alexandra MUDr.	Institute of Histology and Embryology UPJŠ FM	prof. MUDr. Eva Mechírová, CSc.	Institute of Histology and Embryology UPJŠ FM
43	Nagyová Mária Mgr.	Institute of Medical and Clinical microbiology UPJŠ FM and UNLP	prof. MUDr. Monika Halánová, PhD.	Institute of Epidemiology and Public Health UPJŠ FM
44	Kollárová Patrícia MUDr.	Institute of Pathology UPJŠ FM and UNLP	RNDr. Martin Bona, PhD.	Institute of Medicine UPJŠ FM
45	Štammová Erika MUDr.	Institute of Pathology UPJŠ FM and UNLP	doc. MUDr. Ingrid Hodorová, PhD.	Institute of Anatomy UPJŠ FM
46	Briškárová Viktória MUDr.	Institute of Forensic Medicine UPJŠ FM	doc. MUDr. Silvia Farkašová Iannaccone, PhD.	Institute of Forensic Medicine UPJŠ FM
47	Nerantzakis Ingrid MUDr.	Institute of Forensic Medicine UPJŠ FM	doc. MUDr. Ingrid Hodorová, PhD.	Institute of Anatomy UPJŠ FM

\* Explanations: GM – general medicine DM – dental medicine  
 GYN – Gynecology and Obstetrics ID – internal diseases  
 SUR – surgery NPP – normal and pathological physiology  
 EPID – epidemiology PH – Public Health  
 NEU – neurology ANAT – anatomy, histology and embryology

### g) emeritus professors at the faculty: 3

prof. MUDr. Andrej Böör, CSc.  
prof. MUDr. Jozef Kafka, DrSc.  
prof. MUDr. Juraj Bober, CSc.

### h) the number of reintegrated staff members or other researchers funded from non-government grants: 44

Of the 44 UPJŠ FM employees, there are none financed from funds other than the state subsidy PhD students, postdoctoral students and reintegrated students. Table 5 provides a detailed overview.

**Table 5 Faculty employees financed from funds other than the state subsidy**

Workplace	Employees			
	scientific researcher with PhD./CSc.	scientific research without PhD./CSc.	the others employees in research	Together
CKPV MEDIPARK	3	4	6	13
I. KAaIM	2		5	7
KAaIM	3		4	7
Department of Neurology	1	2	0	3
Institute of Social and Behavioral Medicine	2	3		5
Institute of Medical Physiology	0	0	1	1
Institute of Health Psychology and Research Methodology	4	1		5
Associated Tissue Bank	3			3
Together	18	10	16	44

### 1.3 Prizes for science, other awards and honors received by faculty employees for research results from external institutions

#### City Award Košice

- **prof. MUDr. Daniel Pella, PhD.** – on the occasion of a life anniversary, for significant scientific achievements and pedagogical results in the field of preventive cardiology on a pan-European scale and for development and modernization of the UPJŠ Faculty of Medicine in Košice
- **Collective of the Department of Pediatric Anesthesiology and Intensive Medicine UPJŠ FM in Košice and Children's Faculty Hospital Košice** - for intensive care, highly specialized care for children in critical situations within the whole of the Eastern Slovak region

#### Award of the Mayor of Košice

- **prof. Ing. Mária Mareková, CSc.** – on the occasion of a life anniversary, for scientific and pedagogical activity in the preparation of future doctors and PhD students in the study program clinical biochemistry
- **prof. MUDr. Alexander Ostró, CSc., MBA** - on the occasion of his life

anniversary, for extraordinary personal and professional contribution to the field of medicine in the field of gynecology and obstetrics and significant pedagogical and publishing activity

#### **Award of the Slovak Neurological Society for the best original scientific work in 2021**

- **Szilasiová J**, Mikula P, Rosenberger J, Fedičová M, Gdovinová Z, Urban P, Frigová L.: Plasma neurofilament light chain levels are predictors of disease activity in multiple sclerosis as measured by four-domain NEDA status, including brain volume loss. *Multiple Sclerosis*.2021 Nov; 27(13): 2023-2030

#### **Award of the Slovak Neurological Society for the best original scientific work of authors up to 35 years. 2021**

- **Kulcsarova K**, Ventosa JR, Feketeova E, et al.: Comparison in detection of prodromal Parkinson's disease patients using original and updated MDS research criteria in two independent cohorts. *Parkinsonism Relat Disord*. 2021;87:48-55. doi:10.1016/j.parkreldis.2021.04.028

#### **Award of the Slovak Neurological Society for the best case study of 2021**

- Ostrozovicova M, Jech R, Steel D, Pavelekova P, Han V, Gdovinova Z, Lichtner P, Kurian MA, Wiethoff S, Houlden H, Havránková P, Winkelmann J, Zech M, Skorvanek M.: A Recurrent VPS16 p.Arg187\* Nonsense Variant in Early-Onset Generalized Dystonia. *Mov Disord*. 2021 Aug;36(8):1984-1985. doi: 10.1002/mds.28647. Epub 2021 May 17. PMID: 33998058.

#### **Awards of the Slovak Anatomical Society for the best publication in 2021 – 1st place:**

- **MVDr. Andrea Kreheľová, PhD., Kovaříková V., doc. MVDr. Iveta Domoráková, PhD., doc. RNDr. Peter Solár, PhD., MVDr. Alena Pastornická, PhD., MUDr. Andriana Pavliuk-Karachevtseva, PhD., prof. MVDr. Silvia Rybárová, PhD., doc. MUDr. Ingrid Hodorová, PhD., doc. MVDr. Jozef Mihalik, CSc.:** Characterization of Glutathione Peroxidase 4 in Rat Oocytes, Preimplantation Embryos, and Selected Maternal Tissues during Early Development and Implantation. *International Journal of Molecular Sciences* 22, (2021), 5174. IF:5,924. Article
- **MVDr. Alena Pastornická, PhD., prof. MVDr. Silvia Rybárová, PhD., Drahošová S., doc. MVDr. Jozef Mihalik, CSc., MVDr. Andrea Kreheľová, PhD., MUDr. Andriana Pavliuk-Karachevtseva, PhD., doc. MUDr. Ingrid Hodorová, PhD.:** Influence of Paclitaxel and Doxorubicin Therapy of  $\beta$ III – Tubulin, Carbonic Anhydrase IX, and Survivin in Chemically Induced Breast Cancer in Female Rat. *International Journal of Molecular Sciences* 22, (2021), 6363. IF: 5.924. article

#### **Award of the Slovak Gastroenterology Society for the best professional publication in in the field of gastroenterology in 2021.**

- 3rd place: **Dominik Safcak, Sylvia Drazilova, Jakub Gazda, Igor Andrasina, Svetlana Adamcova-Selcanova, Radovan Barila, Michal Mego, Marek Rac, Lubomir Skladany, Miroslav Zigrá, Martin Janicko, Peter Jarcuska:** Nonalcoholic Fatty Liver Disease Related Hepatocellular Carcinoma: Clinical Patterns, Outcomes, and Prognostic Factors for Overall Survival—A Retrospective Analysis of a Slovak Cohort

**prof. MUDr. Pavol Jarčuška, PhD, doc. MUDr. Zuzana Paraličová, PhD.**, Prize for science and technique of MŠSaVaŠ SR, Scientific team of the year for EDEVIR.

**MUDr. Dominik Šafčák, PhD.**, 1st place, best original work, Slovak award gastroenterology society: Inflammatory indices as prognostic factors of survival in geriatric patients with hepatocellular carcinoma: a case-control study of patients from the 8<sup>th</sup> hepatological centers

**doc. MUDr. Peter Takáč, PhD.**

- Acknowledgment letter of the Slovak Society of Psychiatry, Balneology and Medical Rehabilitation, Slovak Medical Society for a significant contribution to the development of the field of psychiatry, balneology and medical rehabilitation, year 2022
- PROPTER MERITA silver medal for services to the construction and development of Slovak medical society y. 2022.

**MUDr. Ján Kučera, PhD.**, significant award received for the project VEGA 1/0788/19 : Study changes in the microflora of dental biofilms in humans and dogs in order to harmonize the microbiocenosis of the oral cavity using selected oral probiotics. The project serves to present the achievements results in solving VEGA projects for the wider society in an effort to improve awareness on the results of Slovak research and development.

**MUDr. Katarína (Demková) Tokarčíková, PhD.**, best professional presentation, youth competition of angiologists (XXX Slovak Angiological Congress, Tále)

**doc. MUDr. Silvia Farkašová Iannaccone, PhD.** et al., Slovak Forensic Medicine Award awarded to SLS in 2022 for the best publication in 2021: S. Farkašová Iannaccone, A. Ginelliová, D. Sopková, L. Mistríková, L. Fröhlichová, R. Dettmeyer, D. Farkaš: A Fatal Case of Cardiac Contusion After Blunt Chest Trauma, American Journal of Forensic Medicine and Pathology, 2021, 42(1):70-72.

**doc. MUDr. Silvia Farkašová Iannaccone, PhD.**, Bronze medal Propter Merita Slovenská medical society for merits in building and developing the Slovak Medical Society

**prof. MUDr. Želmíra Macejová, PhD., MPH**, My doctor - prize of the Association for the Protection of Rights of patients and the price of the public

**Institute of Pharmacology UPJŠ FM**

- Project APVV-16-0446 "Cellular interactions in the tumor microenvironment and their pharmacological influence" received an excellent review and was selected for publication in the APVV yearbook - RESEARCH PROJECTS WITH AN EXCELLENT LEVEL 2022.

- (<https://www.apvv.sk/buxus/docs/agentura/publikacie/publikacia-2022-sk-A4.pdf>)
- The VEGA project - 1/0653/19 was included among the projects that achieved a solution significant results

**prof. MVDr. Monika Halánová, PhD.**, Filákovo Mayor's Award - for special contribution to development of the scientific field of Epidemiology with an emphasis on research onto the Covid-19 disease.

**doc. MUDr. Ingrid Urbančíková, PhD., MPH**, Premium for scientific and professional literature for year 2021 in the category of biological and medical sciences for the work Vademékum of vaccination against Covid-19.

**prof. Andrea Madarasová Gecková, PhD.**

- ESET Science Award 2022 finalist
- Silver medal of the Comenius University in Bratislava for extraordinary contribution to development in the field of health psychology as a science and scientific contribution in the field of psychology of health, Bratislava 2022

**doc. Ing. Jaroslav Majerník, PhD.**, was awarded a certificate of MŠVVaŠ SR for excellent met objectives of the project KEGA 011UPJŠ-4/2019 "Increasing competencies and the level of critical thinking of students of medical study programs using simulation tools of problem-oriented education and evidence-based medicine", which was addressed in  
**years 2019-2021**

**Mgr. Slavomíra Gulová**

Award for an outstanding contribution in the Biology section on the occasion of the XIV. Interactive conference of young scientists 2022. Paper title: Exosomes in pathophysiology and potential therapy osteoarthritis

## 2. Scientific research projects

UPJŠ in Košice, Faculty of Medicine (hereinafter only "UPJŠ FM") belongs to respected medical educational institutions providing three-level higher education. In the educational process, the university benefits from the quality of its own scientific research and from the connection of this research to medical and healthcare practice. The creative workers of UPJŠ FM achieve results of the highest international level of quality, especially in medical and healthcare fields of study and research areas. At the same time, they make every effort to help students during the educational process to meet with the most modern experimental instrumentation, the latest information and communication technologies, as well as innovative methods of education, which they will be able to use it in their professional practice after completing their studies. A comprehensive view of scientific research activity is regularly monitored, evaluated and presented by the faculty websites in the section Scientific research activity at the faculty.

## 2.1 Scientific research projects solved at UPJŠ FM

In 2022, as in previous periods, UPJŠ FM was involved in the implementation of scientific research activities in the form of obtaining funds from various grant schemes. A complete overview of the projects solved at UPJŠ FM is on the website of the faculty in the section Research, Scientific projects solved at UPJŠ FM.

In the monitored year of 2022, a total of 97 projects were solved at UPJŠ FM, of which 66 were within home grants, 16 projects were from the internal scientific grant system and 15 foreign projects.

The total amount of funds provided for UPJŠ FM in a given year was in the amount of €6,512,749.32.

**Table 6 Overview of UPJŠ FM projects for the year 2022 with information on the amount of provided financial resources for UPJŠ FM**

Project type	Announcer	Grant scheme	Number of projects	Amount of provided financial funds for UPJŠ FM
Home projects	Ministry of Education, Science, Research and Sports of the Slovak Republic	VEGA	31	414 052,00 €
		KEGA	10	83 150,00 €
	Research and Development Support Agency	APVV	10	315 815,00 €
	Ministry of Health of the Slovak Republic	Public call of the Ministry of Health of the Slovak Republic in the field of health for the purposes of research and development	3	28 116,66 €
		Resident studies of MH SR	1	1 561 000,00 €
		Cooperation agreement	1	0,00 €
	Research agency	EŠIF	5	3 708 698,17 €
	Ministry of Economy of the SR		1	0,00 €
	Ministry of Education, Science, Research and Sports of the SR	Top team	1	22 253,00 €
		Development project	1	0,00 €
Slovak academic information agency	Austria-Slovakia Action	2	3 790,00 €	
Internal projects	Pavol Jozef Šafarik University in Košice	Internal scientific grant system of UPJŠ	16	8 000,00 €
Foreign projects	Európska komisia	Erasmus +	2	0,00 €
	University Medical Center Groningen	Bilateral cooperation	2	60 000,00 €



	Ministry of Education, Science, Research and Sports of the Slovak Republic	Deutscher Akademischer Austausch Dienst	1	3 920,00 €
	European Commission	3rd Health Programme	1	0,00 €
		Horizon Europe	3	138 118,75 €
		Horizon 2020	3	6 878,75 €
		Cost action	1	0,00 €
	Ministry of Foreign Affairs and Trade of Hungary /Ministry of Investments, of regional development and informatization of the Slovak Republic	Interreg SK-HU	1	156 739,53 €
	Visegrad Fund	Visegrad Grants	1	2 217,46 €
Total of funds provided				6 512 749,32 €